QALoad 05.07

Error Codes, Customer Support, Accessibility, Glossary

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Doc. CWQLHX
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QALoad Online Help

Error Codes

Citrix

Citrix Playback Error Codes

QALoad displays error codes during playback for specific exception messages. While debugging, refer to the table below that lists error codes and descriptions that apply to Citrix scripts.

Error code	Description
CTX_ERROR_00001	CoInitialize failed
CTX_ERROR_00002	Unable to attach tls to window
CTX_ERROR_00003	Unable to clear properties
CTX_ERROR_00004	Unable to set scaling mode
CTX_ERROR_00005	Unable to set initial program
CTX_ERROR_00006	Unable to set working directory
CTX_ERROR_00007	Unable to set username
CTX_ERROR_00008	Username is NULL
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CTX_ERROR_00010	Password is NULL
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CTX_ERROR_00013	Could not load ICA File: <Loading ICA File>
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CTX_ERROR_00018	Wait for disconnect abandoned
CTX_ERROR_00022	Invalid keyboard entry
CTX_ERROR_00023	Unable to move mouse
CTX_ERROR_00024	Unable to click mouse
CTX_ERROR_00028	Window <Window Name> does not exist

CTX_ERROR_00029	Unable to put address
CTX_ERROR_00030	Unable to unmarshal <session>
CTX_ERROR_00031	Sending ascii key <key> failed
CTX_ERROR_00032	Sending keydown <key> failed
CTX_ERROR_00033	Unable to bring window to top
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CTX_ERROR_00035	Unexpected event: expected destroy <Window>
CTX_ERROR_00036	Unexpected event: expected <action> <window> action
CTX_ABORT_00037	The Citrix client has unexpectedly terminated <CtxWaitForWindowCreate>. Script Aborting
CTX_ERROR_00038	Unable to marshal session pointer
CTX_ERROR_00039	Unable to marshal keyboard pointer
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CTX_ERROR_00041	Unable to register for session events
CTX_ERROR_00042	Unable to register for keyboard events
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CTX_ERROR_00046	Unable to connect
CTX_ERROR_00047	Unable to disconnect
CTX_ERROR_00048	Unable to logon
CTX_ERROR_00049	Unable to logoff
CTX_ERROR_00050	Unable to use ICA file
CTX_ERROR_00058	Sending keyup <key> failed
CTX_ERROR_00059	Unable to execute statement - Connect failed.
CTX_ERROR_00060	Citrix client has disconnected, no more commands may be executed. (<Error>)
CTX_ERROR_00061	Unable to unmarshal <keyboard>
CTX_ERROR_00062	Unable to unmarshal <mouse>
CTX_ERROR_00063	Bitmap timeout expired in <action>. Bitmap title: <title>
CTX_ERROR_00064	Invalid output mode. Allowed values: 0-3
CTX_WARNING_00051	Disconnect timeout expired

CTX_WARNING_00052	Disconnect timeout abandoned
CTX_WARNING_00053	Unable to logoff
CTX_WARNING_00054	Unable to disconnect
CTX_WARNING_00055	Unable to execute statement - Citrix client has already disconnected. (<Error>)

CTX_ERROR_00001

Unable to initialize the COM library.

Description:

The COM library is used to communicate with the Citrix client during replay.

Script Commands:

CitrixInit

Causes:

- ! The Citrix client or QALoad were not successfully installed.
- ! The replay machine is low on resources.
- ! Windows installation on the replay machine is incorrect.

Actions:

Verify the installations of Citrix client and QALoad were successful and re-install if not.

External Sources:

None

CTX_ERROR_00002

The QALoad Citrix replay code is unable to initialize correctly.

Description:

The QALoad Citrix replay code was unable to initialize the Citrix client code for use with the replay script.

Script Commands:

CitrixInit

Causes:

- ! QALoad was not successfully installed.
- ! The client machine is low on resources.

Actions:

- ! Verify the QALoad installation was successful and re-install if not.
- ! Verify the client machine has sufficient resources.

External Sources:

None

CTX_ERROR_00003

Unable to clear the properties in Citrix API COM object.

Description:

The Citrix client was unable to initialize the COM properties. This may indicate a problem with the Citrix environment.

Script Commands:

CitrixInit

Causes:

- ! The Citrix client or QALoad were not successfully installed.
- ! The replay machine is low on resources.
- ! Windows installation on the replay machine is incorrect.

Actions:

- ! Verify the installations of Citrix client and QALoad were successful and re-install if not.
- ! Verify the client machine has sufficient resources.
- ! Verify the integrity of the installation of the OS on the replay machine.

External Sources:

None

CTX_ERROR_00004

Unable to clear the properties in Citrix API COM object.

Description:

The Citrix client was unable to set the scaling mode for the client. This may indicate a problem with the Citrix environment.

Script Commands:

CitrixInit

Causes:

- ! The Citrix client or QALoad were not successfully installed.
- ! The replay machine is low on resources.
- ! Windows installation on the replay machine is incorrect.

Actions:

- ! Verify the installations of Citrix client and QALoad were successful and re-install if not.
- ! Verify the client machine has sufficient resources.
- ! Verify the integrity of the installation of the OS on the replay machine.

External Sources:

None

CTX_ERROR_00005

Unable to set the initial program for the Citrix client session.

Description:

Setting the initial program in the Citrix client returned an error.

Script Commands:

CtxConnectServer   CtxConnectPubApp

Causes:

The initial program does not exist or is not in the specified directory.

Actions:

Ensure the initial program exists, is in the correct directory, and is being called correctly.

External Sources:

None

CTX_ERROR_00006

Unable to set the initial directory for the Citrix client session.

Description:

Setting the start-up directory for the Citrix session returned an error.

Script Commands:

CtxConnectServer

Causes:

The specified directory does not exist.

Actions:

Ensure the specified directory exists.

External Sources:

None

CTX_ERROR_00007

Unable to set the username.

Description:

Setting the username for the Citrix session returned an error.

Script Commands:

CtxConnectServer

CtxSetDomainLoginInfo

Causes:

The username is not a valid username for the Citrix session

Actions:

Ensure the username specified is valid for the Citrix session.

External Sources:

None

CTX_ERROR_00008

There is no username specified for the Citrix session.

Description:

The Citrix session returned an error because no username was specified for the session.

Script Commands:

CtxSetDomainLoginInfo

Causes:

No username was specified for the Citrix client connection.

Actions:

Ensure a valid username is specified for the Citrix session.

External Sources:

None

CTX_ERROR_00009

Unable to set the password.

Description:

Setting the password for the Citrix session returned an error.

Script Commands:

CtxConnectServer

CtxSetDomainLoginInfo

Causes:

The password is not valid for the username specified in the Citrix session

Actions:

Ensure both the username and password specified are valid for the Citrix session.

External Sources:

None

CTX_ERROR_000010

There is no password specified for the Citrix session.

Description:

The Citrix session returned an error because no password was specified for the username in the session.

Script Commands:

CtxSetDomainLoginInfo

Causes:

No password was specified for the username in the Citrix client connection.

Actions:

Ensure a valid username and password are specified for the Citrix session.

External Sources:

None

CTX_ERROR_00011

The domain specified for the Citrix session is invalid.

Description:

The Citrix session returned an error because the domain specified was invalid for the Citrix session.

Script Commands:

CtxConnectServer

CtxSetDomainLoginInfo

Causes:

The domain specified is not valid for the Citrix session.

Actions:

Ensure the domain specified in the connection is valid for the Citrix session.

External Sources:

None

CTX_ERROR_00012

An argument supplied to the Citrix connect call is invalid.

Description:

The Citrix connect call failed because an argument specified as a parameter to the call is invalid.

Script Commands:

CtxConnectServer

Causes:

An argument specified to the Citrix connect call

Actions:

Ensure that the parameters passed to the CtxConnect call are correct.

External Sources:

None

CTX_ERROR_00013

The specified Citrix ICA file cannot be loaded.

Description:

The Citrix client returned an error when it tried to load the Citrix ICA specified.

Script Commands:

CtxConnectICA

Causes:

The Citrix ICA file specified is not a valid ICA file.

Actions:

Ensure that the specified Citrix ICA file is valid by connecting to a Citrix session using that file in Citrix Neighborhood.

External Sources:

None

CTX_ERROR_00014

The specified Citrix ICA file cannot be found.

Description:

The ICA file specified could not be found by the Citrix client session.

Script Commands:

CtxConnectICA

Causes:

The file path name of the ICA file specified points to an non-existent file.

Actions:

Identify the correct ICA file and path and ensure that it is specified correctly in the Citrix options and/or in the script.

External Sources:

None

CTX_ERROR_00015

The Citrix client cannot connect to the server in the time specified in the Citrix options.

Description:

The connection was not made in the time interval specified in the script and/or the Citrix options dialog.

Script Commands:

CtxConnectServer

CtxConnectPubApp

CtxConnectICA

Error Codes, Customer Support, Accessibility, Glossary

- ! The Citrix server is not online and receiving connections.
- ! The timeout specified in the script or in the Citrix options dialog is too low.

Actions:

- ! Ensure that the Citrix server is available for connection.
- ! Change the Connection Timeout value to a higher value (in seconds).
- ! Ensure the network is not overloaded with other traffic.

External Sources:

None

CTX_ERROR_00016

The attempt to connect to the Citrix was abandoned.

Description:

The connection was not made in the time interval before the Citrix client abandoned the attempt.

Script Commands:

CtxConnectServer

CtxConnectPubApp

CtxConnectICA

Causes:

- ! The Citrix server is not online and receiving connections.
- ! The network is too slow to allow connections.

Actions:

- ! Ensure that the Citrix server is available for connection.
- ! Change the Connection Timeout value to a higher value (in seconds).
- ! Ensure the network is not overloaded with other traffic.

External Sources:

None

CTX_ERROR_00017

The Citrix client cannot disconnect to the server in the time specified in the Citrix options.

Description:

The connection was not closed in the time interval specified in the script and/or the Citrix options dialog.

Script Commands:

CitrixUninit

CtxDisconnect

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Causes:

  - ! The Citrix server went offline due to a server error and could not drop the connection.

  - ! The timeout specified in the script or in the Citrix options dialog is too low.

Actions:

  - ! Ensure that the Citrix server is functional.

  - ! Ensure that the network is not overloaded with other traffic.

External Sources:

None

CTX_ERROR_00018

The call to the Citrix API disconnect event was abandoned.

Description:

The disconnection response was not received before the Citrix client abandoned the attempt.

Script Commands:

CitrixUninit

CtxDisconnect

Causes:

  - ! The Citrix server is not online and receiving connections.

  - ! The network is too slow to allow communication with the client.

Actions:

  - ! Ensure that the Citrix server is available.

  - ! Ensure the network is not overloaded with other traffic.

External Sources:

None

CTX_ERROR_00022

The keyboard input is not correct.

Description:

The keyboard input is not correct for the keyboard locale on the replay machine.

Script Commands:

CtxType

CtxTypeVK

Causes:

The Citrix server could not process the keyboard entry made for the keyboard locale for the Citrix server.

Actions:

  - ! Ensure the Citrix server is using the same keyboard locale as the Citrix client.

! Ensure the keyboard locale of the server has not changed since the script was recorded.

External Sources:

None

CTX_ERROR_00023

The call to the Citrix API to move the mouse failed.

Description:

The call to the Citrix API returned a failure and could not perform the mouse move action.

Script Commands:

CtxMouseMove

Causes:

! The API call is to an invalid or non-existent window.

! The move coordinates are not valid for the Citrix desktop.

Actions:

Add a call to the script to see that the window exists. Refer to Handling Dynamic Windows.

External Sources:

None

CTX_ERROR_00024

The call to the Citrix API to perform a mouse click action failed.

Description:

The call to the Citrix API returned a failure and could not perform the mouse click action.

Script Commands:

CtxClick

CtxDoubleClick

Causes:

! The API call is to an invalid or non-existent window.

! The mouse is not over the window specified in the API call.

Actions:

! Add a call to the script to see that the window exists. Refer to Handling Dynamic Windows.

! Add a mouse move action prior to the mouse click call that places the coordinates in the correct location for the mouse click action.

External Sources:

None

CTX_ERROR_00028

The window specified in the API call does not exist.

Description:

The window specified as a parameter to the API call has not been created or has been destroyed and the API call cannot perform the action.

Script Commands:

CtxTypeVK	CtxType
CtxType	CtxMouseDown
CtxKeyDown	CtxMouseUp
CtxKeyUp	CtxClick
CtxTypeVK	CtxDoubleClick

Causes:

- ! The API call is to an invalid or non-existent window.
- ! The window has not been created yet or has been destroyed.

Actions:

Add a call to the script to see that the window exists. Refer to Handling Dynamic Windows.

External Sources:

None

CTX_ERROR_00029

The Citrix API is not able to process the host address.

Description:

The Citrix API call returned an error when processing the host address.

Script Commands:

CtxConnectServer

Causes:

The host address specified in the API call is not a valid Citrix server.

Actions:

Ensure that the host address specified in the CtxConnect call is valid.

External Sources:

None

CTX_ERROR_00030

The Citrix COM object is unable to free the marshaled data for the session.

Description:

The Citrix client was unable to free the COM session data. This is usually due to a problem with the Citrix COM client.

Error Codes, Customer Support, Accessibility, Glossary

CtxConnectServer

CtxConnectPubApp

CtxConnectICA

Causes:

- ! The client machine is low on resources.
- ! Windows installation on the replay machine is incorrect.

Actions:

- ! Verify that the client machine has sufficient resources.
- ! Verify the integrity of the client machine installations.

External Sources:

None

CTX_ERROR_00031

The Citrix client cannot send the key press to the specified window.

Description:

The Citrix client returned an error when it tried to send the key to the window in the KeyPress API call.

Script Commands:

CtxType

Causes:

- ! The key press event does not have a window to process the event.
- ! The specified key is invalid.

Actions:

Ensure that the correct key code is used for the keyboard settings used by the client.

External Sources:

None

CTX_ERROR_00032

The Citrix client cannot send the key down to the specified window.

Description:

The Citrix client returned an error when it tried to send the key down to the window in the KeyDown API call.

Script Commands:

CtxKeyDown

Causes:

- ! The key down event does not have a window to process the event.

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! The specified key is invalid.

Actions:

Ensure that the correct key code is used for the keyboard settings used by the client.

External Sources:

None

CTX_ERROR_00033

The Citrix client cannot bring the window to the foreground.

Description:

The Citrix client returned an error from the call to bring the specified window to the foreground.

Script Commands:

CtxTypeVK   CtxType

CtxType   CtxMouseDown

CtxKeyDown   CtxMouseUp

CtxKeyUp   CtxClick

CtxTypeVK   CtxDoubleClick

Causes:

! The window specified does not exist.

! The window could not be brought to the foreground because a modal window is wafting for an event.

Actions:

Ensure that there isn't a window wafting for an event at this point in the script. If so, insert script commands to process that window prior to this call.

External Sources:

None

CTX_ERROR_00034

The Citrix client timed out waiting for a CreateWindow event.

Description:

The Citrix client did not receive a CreateWindow event for the specified window within the time allocation value specified in the script and/or the Citrix options.

Script Commands:

Causes:

! The specified window is created intermittently during the Citrix session.

! Another window did not get an event processed and as a result, this window create event did not occur.

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Actions:

Validate the script to see that the window is created consistently at this point in the script. If not, add script commands to conditionally check for the window creation event. Refer to Handling Dynamic Windows.

External Sources:

None

CTX_ERROR_00035

The Citrix client timed out waiting for a DestroyWindow event.

Description:

The Citrix client did not receive a DestroyWindow event for the specified window within the time allocation value specified in the script and/or the Citrix options.

Script Commands:

CtxWaitForWindowDestroy

Causes:

- ! The specified window is created intermittently during the Citrix session.
- ! Another window did not get an event processed and as a result, this window destroy event did not occur.

Actions:

Validate the script to see that the window is created consistently at this point in the script. If not, add script commands to conditionally check for the window creation event.

External Sources:

None

CTX_ERROR_00036

The Citrix client timed out waiting for the specified event.

Description:

The Citrix client was not notified of this event for the specified window within the time allocation value specified in the script and/or the Citrix options.

Script Commands:

CtxWaitForWindowCreate   CtxWaitForWindowMove

CtxWaitForWindowDestroy   CtxWaitForWindowResize

CtxWaitForWindowEventExists   CtxWaitForWindowStyleChange

CtxWaitForCaptionChange   CtxWaitForScreenUpdate

CtxWaitForWindowMinimize

Causes:

- ! The specified window is created intermittently during the Citrix session.

! Another window did not get an event processed and as a result this window destroy event did not occur.

Actions:

Validate the script to see that the window is created consistently at this point in the script and that the session state is consistent with the event actions. If not, add script commands to ensure the session state is consistent with the expected event. Refer to Handling Dynamic Windows.

External Sources:

None

CTX_ABORT_00037

The Citrix client terminated unexpectedly.

Description:

The Citrix client has unexpectedly terminated for an unknown reason and the script cannot process commands.

Script Commands:

CtxWaitForWindowCreate   CtxWaitForWindowMove

CtxWaitForWindowDestroy   CtxWaitForWindowResize

CtxWaitForWindowEventExists   CtxWaitForWindowStyleChange

CtxWaitForCaptionChange   CtxWaitForScreenUpdate

CtxWaitForWindowMinimize

Causes:

! The replay machine is low on resources.

! The network could not process the traffic from the client to the server.

! The replay machine is in an unknown state.

Actions:

! Ensure the replay machine has sufficient resources to replay the number of virtual users.

! Ensure the replay machine is in a functional state. Reboot if necessary.

External Sources:

None

CTX_ERROR_00038

The Citrix client cannot marshal the session resources.

Description:

The Citrix COM client could not allocate the marshal resources to process session objects and events.

Script Commands:

CitrixInit

Causes:

- ! QALoad or the Citrix client are not installed properly.
- ! The replay machine is not in a consistent state.

Actions:

- ! Ensure the integrity of the QALoad and Citrix client installations.
- ! Ensure the replay machine has sufficient resources to replay the number of virtual users.
- ! Ensure the replay machine is in a functional state. Reboot if necessary.

External Sources:

None

CTX_ERROR_00039

The Citrix client cannot marshal the keyboard resources.

Description:

The Citrix COM client could not allocate the marshal resources to process keyboard objects and events.

Script Commands:

CtxWaitForWindowCreate   CtxWaitForWindowMove

CtxWaitForWindowDestroy   CtxWaitForWindowResize

CtxWaitForWindowEventExists   CtxWaitForWindowStyleChange

CtxWaitForCaptionChange   CtxWaitForScreenUpdate

CtxWaitForWindowMinimize

Causes:

- ! QALoad or the Citrix client are not installed properly.
- ! The replay machine is not in a consistent state.

Actions:

- ! Ensure the integrity of the QALoad and Citrix client installations.
- ! Ensure the replay machine has sufficient resources to replay the number of virtual users.
- ! Ensure the replay machine is in a functional state. Reboot if necessary.

External Sources:

None

CTX_ERROR_00040

The Citrix client cannot marshal the mouse resources.

Description:

The Citrix COM client could not allocate the marshal resources to process mouse objects and events.

Script Commands:

CitrixInit

Causes:

- ! QALoad or the Citrix client are not installed properly.
- ! The replay machine is not in a consistent state.

Actions:

- ! Ensure the integrity of the QALoad and Citrix client installations.
- ! Ensure the replay machine has sufficient resources to replay the number of virtual users.
- ! Ensure the replay machine is in a functional state. Reboot if necessary.

External Sources:

None

CTX_ERROR_00041

The player cannot register with the Citrix client for session event messages.

Description:

The call to the Citrix client to register for session events failed.

Script Commands:

CitrixInit

Causes:

- ! QALoad or the Citrix client are not installed properly.
- ! The replay machine is not in a consistent state.

Actions:

- ! Ensure the integrity of the QALoad and Citrix client installations.
- ! Ensure the replay machine has sufficient resources to replay the number of virtual users.
- ! Ensure the replay machine is in a functional state. Reboot if necessary.

External Sources:

None

CTX_ERROR_00042

The player cannot register with the Citrix client for keyboard event messages.

Description:

The call to the Citrix client to register for keyboard events failed.

Script Commands:

CitrixInit

Causes:

- ! QALoad or the Citrix client are not installed properly.
- ! The replay machine is not in a consistent state.

Actions:

- ! Ensure the integrity of the QALoad and Citrix client installations.
- ! Ensure the replay machine has sufficient resources to replay the number of virtual users.
- ! Ensure the replay machine is in a functional state. Reboot if necessary.

External Sources:

None

CTX_ERROR_00043

The player cannot register with the Citrix client for mouse event messages.

Description:

The call to the Citrix client to register for mouse events failed.

Script Commands:

CitrixInit

Causes:

- ! QALoad or the Citrix client are not installed properly.
- ! The replay machine is not in a consistent state.

Actions:

- ! Ensure the integrity of the QALoad and Citrix client installations.
- ! Ensure the replay machine has sufficient resources to replay the number of virtual users.
- ! Ensure the replay machine is in a functional state. Reboot if necessary.

External Sources:

None

CTX_ERROR_00044

The player cannot set the connect event with the Citrix client.

Description:

The call to the Citrix client to register for the connection event failed.

Script Commands:

CitrixInit

Causes:

- ! QALoad or the Citrix client are not installed properly.
- ! The replay machine is not in a consistent state.

Actions:

- ! Ensure the integrity of the QALoad and Citrix client installations.
- ! Ensure the replay machine has sufficient resources to replay the number of virtual users.
- ! Ensure the replay machine is in a functional state. (Reboot if necessary)

External Sources:

None

CTX_ERROR_00046

The Citrix client cannot connect to the Citrix server.

Description:

The call to initiate a connection with the Citrix server failed.

Script Commands:

CtxConnectServer

CtxConnectPubApp

CtxConnectICA

Causes:

- ! The host address specified in the API call is not a valid Citrix server.
- ! The Citrix server is not available.

Actions:

Ensure that the parameters passed to the CtxConnect call are correct.

External Sources:

None

CTX_ERROR_00047

The Citrix client cannot disconnect from the Citrix server.

Description:

The call to disconnect from the Citrix server failed.

Script Commands:

CtxDisconnect

Causes:

The Citrix server is not processing requests from the Citrix client.

Actions:

Ensure that the Citrix server is up and able to process requests.

External Sources:

None

CTX_ERROR_00048

The Citrix client cannot log on to the Citrix server.

Description:

The Citrix client failed to log on to the Citrix server.

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Script Commands:

CtxConnectServer

CtxConnectPubApp

CtxConnectICA

Causes:

The username or password set for the session are not valid for the Citrix server.

Actions:

- ! Ensure the username and password are correct for the Citrix server.
- ! Ensure the Citrix server can accept new sessions.

External Sources:

None

CTX_ERROR_00049

The Citrix client cannot log off the Citrix server.

Description:

The Citrix client failed to log off the Citrix server.

Script Commands:

CtxDisconnect

Causes:

The Citrix server is not processing requests from the Citrix client.

Actions:

Ensure that the Citrix server is up and able to process requests.

External Sources:

None

CTX_ERROR_00050

The ICA file specified in the script is not valid.

Description:

The Citrix client could use the specified ICA to connect and log on to the Citrix server.

Script Commands:

CtxConnectICA

Causes:

The wrong ICA file was specified, or the specified file is not a valid ICA file.

Actions:

- ! Ensure that the ICA file is correct in the script.

> ! Verify the ICA file is correct by connecting to the Citrix server using that file in Citrix Neighborhood.

External Sources:

None

CTX_ERROR_00058

The Citrix client cannot send the key up to the specified window.

Description:

The Citrix client returned an error when it tried to send the key up to the window in the KeyUp API call.

Script Commands:

CtxKeyUp

Causes:

> ! The key up event does not have a window to process the event.

> ! The specified key is invalid.

Actions:

Ensure that the correct key code is used for the keyboard settings used by the client.

External Sources:

None

CTX_ERROR_00059

The Citrix client was not connected, so the statement could not be executed.

Description:

The Citrix client did not successfully connect to the server, so the action cannot be performed.

Script Commands:

CtxWaitForWindowCreate	CtxKeyDown
CtxWaitForWindowDestroy	CtxKeyUp
CtxWaitForWindowActivate	CtxTypeVK
CtxWaitForCaptionChange	CtxType
CtxWaitForWindowMinimize	CtxMouseDown
CtxWaitForWindowMove	CtxMouseUp
CtxWaitForWindowResize	CtxClick
CtxWaitForWindowStyleChange	CtxDoubleClick
CtxWaitForScreenUpdate	

Causes:

> ! The Citrix server is not online and receiving connections.

> ! The network is too slow to allow communication with the client.

Actions:

- ! Ensure that the Citrix server is available.
- ! Ensure the network is not overloaded with other traffic.

External Sources:

None

CTX_ERROR_00060

The Citrix client has already disconnected, so the statement could not be executed.

Description:

The Citrix client has already disconnected from the server, so the action cannot be performed. This error normally occurs after two instances of CTX_WARNING_00055, indicating no more script commands will be attempted.

Script Commands:

CtxWaitForWindowCreate	CtxKeyDown
CtxWaitForWindowDestroy	CtxKeyUp
CtxWaitForWindowActivate	CtxTypeVK
CtxWaitForCaptionChange	CtxType
CtxWaitForWindowMinimize	CtxMouseDown
CtxWaitForWindowMove	CtxMouseUp
CtxWaitForWindowResize	CtxClick
CtxWaitForWindowStyleChange	CtxDoubleClick
CtxWaitForScreenUpdate	

Causes:

- ! The script may have disconnected as a result of Citrix server functionality, such as the workspace control features.
- ! The script may have disconnected as a result of a change in behavior from the recorded session.

Actions:

- ! Ensure that the Citrix session was not interrupted due to conflict with another session on the Citrix server, such as by a session using the same login credentials.
- ! If this warning occurs upon a command near the end of the script or near the CtxDisconnect command, it may be necessary to comment out the command to ensure reliable replay.

External Sources:

None

CTX_ERROR_00061

The Citrix COM object is unable to free the marshaled data for the keyboard.

Description:

The Citrix client was unable to free the COM keyboard data. This is usually due to a problem with the Citrix COM client.

Script Commands:

CtxConnectServer

CtxConnectPubApp

CtxConnectICA

Causes:

- ! The client machine is low on resources.
- ! Windows installation on the replay machine is incorrect.

Actions:

- ! Verify the client machine has sufficient resources.
- ! Verify the integrity of the client machine installations.

External Sources:

None

CTX_ERROR_00062

The Citrix COM object is unable to free the marshaled data for the mouse.

Description:

The Citrix client is unable to free the COM mouse data. This is usually due to a problem with the Citrix COM client.

Script Commands:

CtxConnectServer

CtxConnectPubApp

CtxConnectICA

Causes:

- ! The client machine is low on resources.
- ! Windows installation on the replay machine is incorrect.

Actions:

- ! Verify the client machine has sufficient resources.
- ! Verify the integrity of the client machine installations.

External Sources:

None

CTX_ERROR_00063

Bitmap timeout expired in CtxWaitForFullBitmap or CtxWaitForPartialBitmap. Bitmap title: `<title_string>`.

Description:

The Citrix client did not find a full-screen or partial-screen bitmap matching the specified bitmap hashcode within the time specified in the script or the Citrix convert options. The title of the bitmap image appears in the error message.

Script Commands:

CtxWaitForFullBitmap

CtxWaitForPartialBitmap

Causes:

Visible differences between the current window or windows on the Citrix session replay image and the identified bitmap are preventing a successful match.

Actions:

- ! Examine the bitmap image file. The title of the bitmap is identified in the error message. The QALoad Citrix capture process retains full-screen and partial-screen bitmap images. These are located in the directory with the script name in the appropriate captures directory, either Middlewares/Citrix/Captures or Middlewares/Universal/Captures. Any difference between the bitmap image and the Citrix session replay image causes the bitmap hashcodes not to match. Common differences include:
    - o highlighted (underlined/bold/colored) vs. un-highlighted text in window contents, buttons, and menus
    - o dynamic/smart menus that vary based upon recent user activity
    - o windows or controls that have been moved or resized since the capture. Note that unlike the Citrix window waitpoints, which match a window by title even when it has been resized or moved on the screen, bitmap waitpoints are sensitive to the slightest difference in the replay image.
- ! Validate the script to see the actual screen image at this point in the script. If there are differences with the bitmap identified in the error message, you must perform a new capture to create a new full-screen or partial-screen waitpoint that you can insert in the current script.
- ! If the observed differences are due to window creation or other events that can vary during a Citrix script, add script commands that conditionally check for the existence of the bitmap (CtxFullBitmapExists or CtxPartialBitmapExists) or window creation event. For more information, see Handling Dynamic Windows.

External Sources:

None

CTX_ERROR_00064

Invalid output mode value. Allowed values: 0-3

Description:

The Citrix session failed before attempting connection to the Citrix server because the value provided for the Citrix output mode is invalid.

Script Commands:

CtxSetOutputMode

Causes:

The script has been manually modified since being created from a Citrix capture file and an invalid Citrix output mode value was inserted.

Actions:

The output mode value is generated in a Citrix script using the output mode value you select in Replay output in QALoad Workbench>Options> Convert. and should not be modified.

Possible values are:

- ! Normal
- ! Renderless
- ! Windowless

Possible values for Windowless and Renderless are listed in the file CitrixDecl.h in the directory QALoad/WinCDev

Note: The value zero (0) is reserved by the Citrix ICA client software and should not be used.

External Sources:

None

CTX_WARNING_00051

The Citrix client cannot disconnect to the server in the time specified in the Citrix options.

Description:

The connection was not closed in the time interval specified in the script and/or the Citrix options dialog.

Script Commands:

CtxDisconnect

Causes:

- ! The Citrix server went offline due to a server error and could not drop the connection.
- ! The timeout specified in the script or in the Citrix options dialog is too low.

Actions:

- ! Ensure that the Citrix server is functional.
- ! Ensure the network is not overloaded with other traffic.

External Sources:

None

CTX_WARNING_00052

The call to the Citrix API disconnect event was abandoned.

Description:

The disconnection response was not received before the Citrix client abandoned the attempt.

Error Codes, Customer Support, Accessibility, Glossary

Script Commands:

CtxDisconnect

Causes:

- ! The Citrix server is not online and receiving connections.
- ! The network is too slow to allow communication with the client.

Actions:

- ! Ensure that the Citrix server is available.
- ! Ensure the network is not overloaded with other traffic.

External Sources:

None

CTX_WARNING_00053

The Citrix client cannot log off the Citrix server.

Description:

The Citrix client failed to log off the Citrix server.

Script Commands:

CtxDisconnect

Causes:

The Citrix server is not processing requests from the Citrix client.

Actions:

Ensure that the Citrix server is up and able to process requests.

External Sources:

None

CTX_WARNING_00054

The call to the Citrix API disconnect event was abandoned.

Description:

The disconnection response was not received before the Citrix client abandoned the attempt.

Script Commands:

CtxDisconnect

Causes:

- ! The Citrix server is not online and receiving connections.
- ! The network is too slow to allow communication with the client.

Actions:

- ! Ensure that the Citrix server is available.
- ! Ensure the network is not overloaded with other traffic.

External Sources:

None

CTX_WARNING_00055

The Citrix client has already disconnected, so the statement could not be executed.

Description:

The Citrix client has already disconnected from the server, so the action cannot be performed.

Script Commands:

CtxWaitForWindowCreate	CtxKeyDown
CtxWaitForWindowDestroy	CtxKeyUp
CtxWaitForWindowActivate	CtxTypeVK
CtxWaitForCaptionChange	CtxType
CtxWaitForWindowMinimize	CtxMouseDown
CtxWaitForWindowMove	CtxMouseUp
CtxWaitForWindowResize	CtxClick
CtxWaitForWindowStyleChange	CtxDoubleClick
CtxWaitForScreenUpdate	

Causes:

! The script may have disconnected as a result of Citrix server functionality, such as the workspace control features.

! The script may have disconnected as a result of a change in behavior from the recorded session.

Actions:

! Ensure that the Citrix session was not interrupted due to conflict with another session on the Citrix server, such as by a session using the same login credentials.

! If this warning occurs upon a command near the end of the script or near the CtxDisconnect command, it may be necessary to comment out the command to ensure reliable replay.

External Sources:

None

Oracle Forms Server

Oracle Forms Server Playback Error Codes

QALoad displays error codes during playback for specific exception messages. While debugging, refer to the table below for error codes and descriptions that apply to Oracle Forms Server scripts.

> Note: Most of the errors listed below are client request errors related to JVM memory issues. When the error is due to a server problem, the error message indicates a connection issue or a bad response from the server. All these errors cause playback to fail. When the error is client-related, you can work around the JVM memory issue by tweaking the Player machine's Threads Per Player value in QALoad Conductor. When the

error is server-related, the server is unable to handle the load. The server typically throws out connection requests, does not respond to requests, or terminates connections during playback.

Error code	Description
OFS_ERROR_00001	Failed to allocate buffer for installation path
OFS_ERROR_00002	Failed to load loadplayerJava.dll
OFS_ERROR_00003	Exception in function <function >: <exception>
OFS_ERROR_00004	Failed to send a heartbeat message
OFS_ERROR_00005	Script JRE version {} is not supported by the OFS middleware
OFS_ERROR_00006	No compatible JRE for script using {} detected on Player machine
OFS_ERROR_00101	Unable to connect to server
OFS_ERROR_00102	Unable to communicate with server
OFS_ERROR_00103	Unable to disconnect
OFS_ERROR_00104	OracleAppsLogin: Error: icx_ticket not found in OracleAppsLogin, please check URL, userID and password
OFS_ERROR_00105	Connection terminated by server
OFS_ERROR_00106	Server did not return the encryption keys
OFS_ERROR_00107	Server reply data is invalid
OFS_ERROR_00108	Failed to get the content length of the POST request
OFS_ERROR_00109	Failed to get the reply content
OFS_ERROR_00110	Invalid URL
OFS_ERROR_00111	Failed to store data from the server reply
OFS_ERROR_00112	The server sent an error message
OFS_ERROR_00113	Failed while reading the server reply
OFS_ERROR_00114	SSL Handshake failed
OFS_ERROR_00115	Failed to close SSL socket
OFS_ERROR_00116	Failed while processing server detail message. Unknown control handle
OFS_ERROR_00117	ICX Ticket not found in OracleAppsLogin
OFS_ERROR_00118	Failed to load loadplayerJava library at startup
OFS_ERROR_00119	Failed to create the replay log file
OFS_ERROR_00120	Unable to write to replay capture file
OFS_ERROR_00121	JVM memory issues

OFS_ERROR_00122	Invalid argument: {}
OFS_ERROR_00123	Internal error

OFS_ERROR_00001

Failed to allocate buffer for installation path.

Description:

The QALoad Player ran out of memory during test initialization.

Script Commands:

N/A

Causes:

The replay machine is low on resources (memory).

Actions:

Verify the client machine has sufficient resources.

External Sources:

None

OFS_ERROR_00002

Failed to load loadplayerJava.dll

Description:

OFS replay was unable to load QALoad dll loadplayerJava.

Script Commands:

ofsSetRunOptions

Causes:

The dll is missing or corrupt.

Actions:

Verify the QALoad installation was successful and re-install if not.

External Sources:

None

OFS_ERROR_00003

Exception in function {}: {}

Description:

An unhandled exception was encountered in the specified function.

Script Commands:

All

Error Codes, Customer Support, Accessibility, Glossary

Causes:

An exception was not caught by the OFS middleware.

Actions:

See addition information provided with this message.

External Sources:

None

OFS_ERROR_00004

Can not find method {}

Description:

OFS replay is unable to find the Java method specified.

Script Commands:

All

Causes:

A problem occurred with the JNI bridge.

Actions:

Verify the QALoad installation was successful and re-install if not.

External Sources:

None

OFS_ERROR_00005

Script JRE version {} is not supported by the OFS middleware.

Description:

Script JRE version {} is not supported by the OFS middleware.

Script Commands:

None

Causes:

The JRE used to validate the script is not supported by the OFS middleware.

Actions:

Verify that a supported JRE is installed on the Workbench machine.

External Sources:

None

OFS_ERROR_00006

No compatible JRE for script using {} detected on Player machine.

Description:

No compatible JRE for script using {} detected on Player machine.

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Script Commands:

None

Causes:

The JRE used to validate the script is not compatible with the JRE(s) available on the Player machine.

Actions:

- ! Verify that a supported JRE is installed on the Workbench machine.
- ! Verify that the JRE available on the Player machine is the same as, or greater than, the version used by the Workbench during script validation.

External Sources:

None

OFS_ERROR_00101

Unable to connect to server.

Description:

Unable to open a connection to the server.

Script Commands:

ofsHTTPDisconnect	ofsHTTPInitialFormsConnect
ofsHTTPConnectToFormsServlet	ofsSendRecv
ofsHTTPConnectToListenerServlet	ofsConnectToSocket

Causes:

The server may have a problem

Actions:

- ! Check the URL and its parameters.
- ! Ensure server is working properly.

External Sources:

None

OFS_ERROR_00102

Unable to communicate with server.

Description:

Unable to communicate with server on existing connection.

Script Commands:

ofsSendRecv	ofsHTTPConnectToFormsServlet
ofsSetServletMode	ofsHTTPConnectToListenerServlet
ofsConnectToSocket	ofsHTTPInitialFormsConnect

Causes:

If the URL is valid, the server is not accepting new connections.

Actions:

Check the URL.

External Sources:

None

OFS_ERROR_00103

Unable to disconnect.

Description:

Disconnecting from the server failed.

Script Commands:

ofsSocketDisconnect

ofsHTTPDisconnect

ofsServerSideDisconnect

Causes:

The connection to the server may have a problem.

Actions:

Ensure server is configured and working properly.

External Sources:

None

OFS_ERROR_00104

Failed to send a heartbeat message.

Description:

Sending heartbeat message to the server failed.

Script Commands:

ofsConnectToSocket

Causes:

The connection to the server may have a problem.

Actions:

Ensure server is working properly.

External Sources:

None

OFS_ERROR_00105

Connection terminated by server.

Description:

The server has closed the connection.

Script Commands:

ofsHTTPConnectToFormsServlet   ofsHTTPInitialFormsConnect

ofsHTTPConnectToListenerServlet   ofsSendRecv

Causes:

The connection to the server may have a problem.

Actions:

Ensure server is working properly.

External Sources:

None

OFS_ERROR_00106

Server did not return the encryption keys.

Description:

Server did not return the encryption keys for the first Post request.

Script Commands:

ofsHTTPInitialFormsConnect

Causes:

Forms Server is not accepting new connections.

Actions:

Ensure server is working properly.

External Sources:

None

OFS_ERROR_00107

Server reply data is invalid.

Description:

Server reply data is invalid.

Script Commands:

ofsSendRecv

Causes:

- ! The connection to the server may have a problem.
- ! If the Java msg displayed is null, server has terminated this Forms session.

Error Codes, Customer Support, Accessibility, Glossary

Actions:

Ensure server is working properly.

External Sources:

None

OFS_ERROR_00108

Failed to get the content length of the POST request.

Description:

Unable to find the content length HTTP header for the POST request being processed.

Script Commands:

ofsSendRecv

Causes:

The connection to the server may have a problem.

Actions:

Ensure server is working properly.

External Sources:

None

OFS_ERROR_00109

Failed to get the reply content.

Description:

Failed to get the reply content.

Script Commands:

ofsHTTPConnectToFormsServlet

ofsHTTPConnectToListenerServlet

Causes:

The URL is invalid.

Actions:

Check the URL.

External Sources:

None

OFS_ERROR_00110

Invalid URL: {}

Description:

The URL in use is not a valid URL.

Script Commands:

ofsHTTPDisconnect   ofsHTTPInitialFormsConnect

ofsHTTPConnectToFormsServlet   ofsSendRecv

ofsHTTPConnectToListenerServlet

Causes:

The URL is malformed.

Actions:

Check the URL specified.

External Sources:

None

OFS_ERROR_00111

Failed to store data from the server reply.

Description:

Failed to store data from the server reply.

Script Commands:

ofsSendRecv

Causes:

The connection to the server may have a problem.

Actions:

Ensure server is working properly.

External Sources:

None

OFS_ERROR_00112

Failed because the server sent this error message: {}

Description:

Server sent error message having a error code prefix of ORA-, FRM-, or APP-

Script Commands:

ofsSendRecv

Causes:

The server encountered an error.

Actions:

Review the Oracle error message specified and determine what action should be taken.

External Sources:

None

OFS_ERROR_00113

Failed while reading the server reply.

Description:

Failed while reading the server reply.

Script Commands:

ofsHTTPConnectToFormsServlet

ofsSendRecv

Causes:

The connection to the server may have a problem.

Actions:

Ensure server is working properly.

External Sources:

None

OFS_ERROR_00114

SSL Handshake failed.

Description:

The SSL handshake failed.

Script Commands:

ofsHTTPConnectToFormsServlet

Causes:

The connection to the server may have a problem.

Actions:

- ! Ensure server is working properly.
- ! Check client side SSL credentials.

External Sources:

None

OFS_ERROR_00115

Failed to close socket.

Description:

Unable to close socket.

Script Commands:

ofsSocketDisconnect

ofsHTTPDisconnect

Causes:

The connection to the server may have a problem.

Actions:

Ensure server is working properly.

External Sources:

None

OFS_ERROR_00116

Failed while processing server detail message. Unknown control handle.

Description:

An internal error occurred while attempting to process an unknown control handle.

Script Commands:

ofsSendRecv

Causes:

An unknown control handle was received from the server.

Actions:

External Sources:

OFS_ERROR_00117

ICX Ticket not found in OracleAppsLogin.

Description:

Unable to find ICX ticket.

Script Commands:

OracleAppsLogin

Causes:

The icx_ticket was not found in OracleAppsLogin.

Actions:

Check URL, user id, and password.

External Sources:

None

OFS_ERROR_00118

Failed to load loadplayerJava library at startup.

Description:

Unable to load loadplayerJava DLL

Script Commands:

OracleAppsLogin

Causes:

Loading the library failed.

Actions:

Ensure that the file loadplayerjava.dll exists in the QALoad folder and that the file permissions are correct.

External Sources:

None

OFS_ERROR_00119

Failed to create the replay capture file.

Description:

OFS middleware was unable to open the replay capture file.

Script Commands:

ofsSetRunOptions

Causes:

- ! The user may not have write permission to LogFiles folder.
- ! The system may have run out of file descriptors.

Actions:

- ! Ensure that the user has write permission to LogFiles folder.
- ! Limit the number of VUs that are attempting to open replay capture files.

External Sources:

None

OFS_ERROR_00120

Unable to write to replay capture file.

Description:

Unable to write to the replay capture file.

Script Commands:

ofsHTTPConnectToFormsServlet   ofsHTTPInitialFormsConnect

ofsHTTPConnectToListenerServlet   ofsSendRecv

Causes:

Unable to write to replay capture file.

Actions:

Ensure that proper permissions for the file and log files exist.

External Sources:

None

OFS_ERROR_00121

JVM memory issues.

Description:

JVM memory issues.

Script Commands:

ofsSendRecv   ofsHTTPConnectToListenerServlet

ofsHTTPConnectToFormsServlet   ofsHTTPInitialFormsConnect

Causes:

The JVM may be out of memory.

Actions:

See additional information for more details.

External Sources:

None

OFS_ERROR_00122

Invalid argument: {}

Description:

An argument specified in the QALoad script command is not valid.

Script Commands:

ofsSendRecv	ofsTabControlTopPage
ofsScroll	ofsLOVSelection
ofsScrollSize	ofsSetCursorPosition
ofsSetValue	ofsSetRunOptions

Causes:

The argument specified is not valid for the script command.

Actions:

Check the arguments to the script command that failed.

External Sources:

None

OFS_ERROR_00123

Internal error

Description:

An error has occurred that was caught.

Error Codes, Customer Support, Accessibility, Glossary

SAP

SAP Playback Error Codes

QALoad displays error codes during playback for specific exception messages. While debugging, refer to the table below that lists error codes and descriptions that apply to SAPscripts.

Error code	Description
SAP_ERROR_00001	SAPGui: Failure connecting to <SAP server name>
SAP_ERROR_00002	SAP: CheckScreen match failure! Expected: <OK code> - <screen Name> - <Title> Returned: <OK code> - <screen Name> - <Title>
SAP_WARNING_00100	Statusbar = <status bar value>
SAP_WARNING_00101	Control <Control type> does not have text property.
SAP_WARNING_00102	String not found in text property: <string>
SAP_WARNING_00103	String not found in text property between: <left string> and <right string>
SAP_WARNING_00104	Content check failed, the <content> received from server does not match the expected content.
SAP_WARNING_00105	Generic exception: <Exception>

SAP_ERROR_00001

The SAPGUI client cannot connect to the specified server.

Description:

The SAPGUI client did not return an event indicating that the connection to the SAP server was successful.

Script Commands:

SAPGuiConnect

Causes:

!   The SAP server is not accepting connections.

! The network latency is too great due to excessive traffic.

! The client machine is low on resources.

Actions:

! Ensure the SAP server is available and able to accept connections.

! Ensure the network is not overloaded with other traffic.

! Ensure the client machine has adequate resources.

External Sources:

None

SAP_ERROR_00002

The SAPGUI client found that a different window was displayed than during the record session.

Description:

The SAPGUI client found that the active window displayed at replay did not match the screen name, title, and OK code captured during the record session.

Script Commands:

SAPGuiCheckScreen

Causes:

The SAP server configuration changed so that there is unexpected script behavior.

Actions:

! Modify the script to accommodate the new server behavior.

! Record a new script that follows the current server responses to events in the application

External Sources:

None

SAP_WARNING_00100

An unexpected value is displayed in the status bar.

Description:

The SAPGUICheckStatusBar function returned a different value for the status bar contents than the one captured during the record session.

Script Commands:

Causes:

The SAP server configuration changed so that there is unexpected script behavior.

Actions:

No actions are required.

> Note: This may show that there have been changes to the SAP environment since the recorded session that may affect replay.

External Sources:

None

Error Codes, Customer Support, Accessibility, Glossary

SAP_WARNING_00101

The control does not have a text property.

Description:

The control type does not have a text property.

Script Commands:

SAPGuiGetUniqueString, SAPGuiGetControlText, SAPGuiContentCheck

Causes:

- ! The SAP control does not have text property.

- ! The SAP control has text property, but it is empty (for example, toolbar buttons).

Actions:

Change the SAP control to call the script commands.

External Sources:

None

SAP_WARNING_00102

The string was not found in the text property.

Description:

The input string cannot be found in the control's text property.

Script Commands:

SAPGuiGetUniqueString

Causes:

- ! An invalid value passed as the third or fourth parameter to SAPGuiGetUniqueString.

- ! The SAP session changed its behavior from the time the session was recorded.

Actions:

Modify the third or fourth parameter of the SAPGuiGetUniqueString call.

External Sources:

None

SAP_WARNING_00103

The string cannot be extracted from the control's text property.

Description:

The string between the input left string and input right string cannot be found in the control's text property.

Script Commands:

SAPGuiGetUniqueString

Causes:

- ! An invalid value was passed as the third and fourth parameter to SAPGuiUniqueString.

!   The SAP session changed its behavior from the time the session was recorded.

Actions:

Modify the third and fourth parameters of the SAPGuiGetUniqueString call.

External Sources:

None

SAP_WARNING_00104

Content check failed.

Description:

The content received from the SAP server does not match the expected content.

Script Commands:

SAPGuiContentCheck

Causes:

!   An invalid value passed as the third parameter to SAPGuiContentCheck.

!   The SAP session changed its behavior from the time the session was recorded.

Actions:

!   Modify the third parameter of the SAPGuiContentCheck call to the expected content.

!   Record another session to get the SAP site's current behavior.

External Sources:

None

SAP_WARNING_00105

An exception occurred during the processing of the SAP scripting API call.

Description:

An exception was thrown while processing the API call. The error string indicated the nature of the exception thrown.

Script Commands:

SAPGuiGetUniqueString

SAPGuiGetControlText

SAPGuiContentCheck

Causes:

!   Invalid values passed as parameters to the script commands.

!   An unexpected condition resulted while executing the script.

Actions:

!   Modify the parameters of the commands.

!   Contact QALoad Technical Support if no cause can be found

Error Codes, Customer Support, Accessibility, Glossary

External Sources:

None

Winsock

Winsock Playback Error Codes

QALoad displays error codes during playback for specific exception messages. While debugging, refer to the table below for error codes and descriptions that apply to Winsock scripts.

Error code	Description
WSK_ABORT_00001	ERROR with ACE_Thread::getspecific, TLS is NULL!
WSK_ABORT_00002	VUser Crashed in the WSK Middleware. VUser id: <task_id>
WSK_ERROR_00003	Connection handle greater than allowed maximum. Connection handle: <Connect Handle>, allowed maximum open connection: <maximum value>
WSK_ERROR_00004	Connection handle appears not to be in use. Connection handle: <connection handle>
WSK_ERROR_00005	Connection handle appears to already be in use. Connection handle: <connection handle>
WSK_ABORT_00006	Out of memory!
WSK_ERROR_00007	Unable to create socket. Error: <socket error number>
WSK_ERROR_00008	<Address> is not a legitimate Internet address
WSK_ERROR_00009	Unable to connect. Error: <socket error number>
WSK_ABORT_00010	Input buffer set to NULL
WSK_ABORT_00011	Invalid value in input buffer
WSK_ABORT_00012	Invalid number of characters in buffer
WSK_ERROR_00013	Failed to call send function. Error: <socket error number>
WSK_ERROR_00014	Failed to call sendto function. Error: <socket error number>
WSK_ERROR_00015	Failed to call recv function. Error: <socket error number>
WSK_ERROR_00016	Failed to call recvfrom function. Error: <socket error number>
WSK_ERROR_00017	Failed to call closesocket/close function. Error: <socket error number>
WSK_ERROR_00018	Failed to call setsockopt function. Error: <socket error number>
WSK_ERROR_00019	Failed to call getsockname function. Error: <socket error number>
WSK_ERROR_00020	Failed to call bind function. Error: <socket error number>

WSK_ERROR_00021	Failed to call listen function. Error: <socket error number>
WSK_ERROR_00022	Failed to call accept function. Error: <socket error number>
WSK_ERROR_00023	Failed to call select function. Error: <socket error number>
WSK_ERROR_00024	Failed to call ioctlsocket/ioctl function. Error: <socket error number>
WSK_WARNING_00025	Failed to call shutdown function. Error: <socket error number>

WSK_ABORT_00001

ERROR with ACE_Thread::getspecific, TLS is NULL!

Description:

Serious error. Thread local storage (TLS) is NULL.

Script Commands:

All WSK commands

Causes:

- ! When allocating thread local memory, insufficient memory exists to associate the value with the key.
- ! ACE Player error.

Actions:

Severe error. Call Technical Support immediately.

External Sources:

<ACE library>

ACE_Thread::getspecific(ACE)thread_key_t key, void **valuep)

Stores the current value bound to <key> for the calling thread into the location pointed to by <valuep>.

WSK_ABORT_00002

VUser crashed in the WSK Middleware.

Description:

Virtual user catches exception, which is in the Winsock (WSK) middleware.

Script Commands:

All Winsock commands

Causes:

When C++ exceptions occur in Winsock script, or Winsock script crashes when run in player.

Actions:

Check Winsock log file to determine which command causes this.

External Sources:

None

WSK_ERROR_00003

Connection handle greater than allowed maximum.

Description:

Internal function: CheckValidHandle() generates this error message. Each time a call is made for Sockets library functions, the connection handle is checked. The default Maximum open connection is set at 33.

Script Commands:

DO_WSK_Socket	DO_WSK_GetSocket	DO_WSK_ExpectAny
DO_WSK_Send	DO_WSK_IsWriteable	DO_WSK_Quiet
DO_WSK_Sendto	DO_WSK_Shutdown	DO_WSK_Setsockopt
DO_WSK_Read	GetRemotePort	DO_WSK_Bind
DO_WSK_Recvfrom	GetRemoteAddr	DO_WSK_Accept
DO_WSK_ExpectExpr	DO_WSK_Connect	DO_WSK_IsReadable
DO_WSK_ExpectAnyExpr	DO_WSK_SendAll	DO_WSK_Ioctlsocket
DO_WSK_Closesocket	DO_WSK_Write	GetLocalPort
DO_WSK_Getsockname	DO_WSK_Recv	GetLocalAddr
DO_WSK_Listen	DO_WSK_Expect	

Causes:

- ! Open too many connects.
- ! Forget to close connect when done.

Actions:

Check the Winsock log file to determine which command causes this.

External Sources:

None

WSK_ERROR_00004

Connection handle appears not to be in use.

Description

Internal function: CheckValidHandle() generates this error message. Each time a call is made for Sockets library functions, the opened connection handle is checked to see if socket is valid. If not, this error message is returned.

Script Commands:

DO_WSK_Connect	DO_WSK_Send	DO_WSK_SendAll
DO_WSK_Sendto	DO_WSK_Write	DO_WSK_Read
DO_WSK_Recv	DO_WSK_Recvfrom	DO_WSK_Expect
DO_WSK_ExpectAny	DO_WSK_ExpectExpr	DO_WSK_ExpectAnyExpr
DO_WSK_Quiet	DO_WSK_Closesocket	DO_WSK_Setsockopt

DO_WSK_Getsockname	DO_WSK_Bind	DO_WSK_Listen
DO_WSK_Accept	DO_WSK_GetSocket	DO_WSK_IsReadable
DO_WSK_IsWriteable	DO_WSK_Ioctlsocket	DO_WSK_Shutdown
GetLocalPort	GetRemotePort	GetLocalAddr
GetRemoteAddr		

Causes

Function socket doesn't successfully create a connection handle. When other sockets library functions use this connection handle, this error message occurs.

Actions:

Check Winsock log file to determine which command causes this.

External Sources:

None

WSK_ERROR_00005

Connection handle already appears to be in use.

Description:

Internal function: CheckValidHandle() generates this error message. Each time before a call socket() function is made, CheckValidHandle() checks to see if the connection handle is already used.

Script Commands:

DO_WSK_Socket

Causes:

Connection handle is already used. Either forget to close it or input wrong connection handle.

Actions:

Check Winsock log file to get connection handle. Change the first parameter in DO_WSK_Socket to try another connection handle in Winsock script.

External Sources:

None

WSK_ABORT_00006

Out of memory.

Description:

There is insufficient memory available when allocating memory blocks.

Script Commands:

EscapeStr	DO_WSK_Send
DO_WSK_Write	DO_WSK_SendAll
DO_WSK_Expect	DO_WSK_Sendto
DO_WSK_ExpectExpr	DO_WSK_Accept

DO_WSK_ExpectAny   ScanExpr

DO_WSK_ExpectAnyExpr   SkipExpr

DO_WSK_Quiet   DO_WSK_Socket

DO_WSK_Read

Causes:

There is insufficient memory available.

Actions:

Deallocate or free previously allocated memory block when not in use.

External Sources:

None

WSK_ERROR_00007

Unable to create socket.

Description:

Fail to call socket function. Socket function creates a socket that is bound to a specific service provider.

Script Commands:

DO_WSK_Socket

Causes:

Windows

The following list describes the possible error codes returned by the WSAGetLastError function under Windows:

Error Code	Description
WSANOTINITIALISED (10093)	A successful WSAStartup call must occur before using this function.
WSAENETDOWN (10050)	The network subsystem or the associated service provider has failed.
WSAEAFNOSUPPORT (10047)	The specified address family is not supported.
WSAEINPROGRESS (10036)	A blocking Windows Sockets 1.1 call is in progress, or the service provider is still processing a callback function.
WSAEMFILE (10024)	No more socket descriptors are available.
WSAENOBUFS (10055)	No buffer space is available. The socket cannot be created.
WSAEPROTONOSUPPORT (10043)	The specified protocol is not supported.
WSAEPROTOTYPE (10041)	The specified protocol is the wrong type for this socket.
WSAESOCKTNOSUPPORT (10044)	The specified socket type is not supported in this address family.

Solaris

The following list describes the possible error codes returned by the errorno function under Solaris:

Error Code	Description
EACCES(13)	Permission to create a socket of the specified type or protocol is denied.
EMFILE (24)	The per-process descriptor table is full.
ENOMEM(12)	Insufficient user memory is available.
ENOSR(63)	There were insufficient STREAMS resources available to complete the operation.
EPROTONOSUPPORT(120)	The protocol type or the specified protocol is not supported within this domain.

Linux

The following list describes the possible error codes returned by the errorno function under Linux:

Error Code	Description
EPROTONOSUPPORT (93)	The protocol type or the specified protocol is not supported within this domain.
EAFNOSUPPORT(97)	The implementation does not support the specified address family.
ENFILE (23)	Not enough kernel memory to allocate a new socket structure.
EMFILE (24)	Process file table overflow.
EACCES (13)	Permission to create a socket of the specified type or protocol is denied.
ENOBUFS(105) or ENOMEM (12)	Insufficient memory is available. The socket cannot be created until sufficient resources are freed.
EINVAL(22)	Unknown protocol, or protocol family not available.

Actions:

Check Winsock log file to get error number, then look at above table and find the description.

External Sources:

None

WSK_ERROR_00008

Input internet address is not a legitimate internet address.

Description:

QALoad uses function inet_addr() to convert a string containing the Internet Protocol dotted address into a proper address. If the string does not contain a legitimate Internet address, QALoad returns this error message.

Error Codes, Customer Support, Accessibility, Glossary

DO_WSK_Bind

DO_WSK_Connect

DO_WSK_Sendto

Causes:

The string does not contain an Ipv4 legitimate Internet address. For example, if a portion of an "a.b.c.d" address exceeds 255.

Actions:

Check Winsock log file for errors.

External sources:

Copy from MSDN: Values specified using the "." notation take one of the following forms: a.b.c.d a.b.c a.b a. When four parts are specified, each is interpreted as a byte of data and assigned, from left to right, to the 4 bytes of an Internet address. When an Internet address is viewed as a 32-bit integer quantity on the Intel architecture, the bytes referred to above appear as "d.c.b.a". That is, the bytes on an Intel processor are ordered from right to left.

The parts that make up an address in "." notation can be decimal, octal, or hexadecimal as specified in the C language. Numbers that start with "0x" or "0X" imply hexadecimal. Numbers that start with "0" imply octal. All other numbers are interpreted as decimal.

Internet address value meaning: "4.3.2.16" Decimal, "004.003.002.020" Octal, "0x4.0x3.0x2.0x10" Hexadecimal, "4.003.002.0x10" mix.

> Note: The following notations are only used by Berkeley, and nowhere else on the Internet. For compatibility with their software, they are supported as specified. When a three-part address is specified, the last part is interpreted as a 16-bit quantity and placed in the right-most 2 bytes of the network address. This makes the three-part address format convenient for specifying Class B network addresses as "128.net.host". When a two-part address is specified, the last part is interpreted as a 24-bit quantity and placed in the right-most 3 bytes of the network address. This makes the two-part address format convenient for specifying Class A network addresses as "net.host". When only one part is given, the value is stored directly in the network address without any byte rearrangement.

WSK_ERROR_00009

Unable to connect.

Description:

Fail to call connect function. The connect function establishes a connection to a specified socket.

Script Commands:

DO_WSK_Connect

Causes:

Windows

The following list describes the possible error codes returned by the WSAGetLastError function under Windows:

Error Code	Description

WSANOTINITIALISED (10093)	A successful WSAStartup call must occur before using this function.
WSAENETDOWN (10050)	The network subsystem has failed.
WSAEADDRINUSE (10048)	The socket's local address is already in use and the socket was not marked to allow address reuse with SO_REUSEADDR. This error usually occurs when executing bind. It could be delayed until this function if the bind was to a partially wildcard address (involving ADDR_ANY) and if a specific address needs to be committed at the time of this function.
WSAEINTR (10004)	A blocking Windows Sockets 1.1 call was canceled through WSACancelBlockingCall.
WSAEINPROGRESS (10036)	A blocking Windows Sockets 1.1 call is in progress or the service provider is still processing a callback function.
WSAEALREADY (10037)	A nonblocking connect call is in progress on the specified socket. Note that in order to preserve backward compatibility, this error is reported as WSAEINVAL to Windows Sockets 1.1 applications that link to either Winsock.dll or Wsock32.dll.
WSAEADDRNOTAVAIL (10049)	The remote address is not a valid address (such as ADDR_ANY).
WSAEAFNOSUPPORT (10047)	Addresses in the specified family cannot be used with this socket.
WSAECONNREFUSED (10061)	The attempt to connect was forcefully rejected.
WSAEFAULT(10014)	The name or the namelen parameter is not a valid part of the user address space; the namelen parameter is too small; or the name parameter contains incorrect address format for the associated address family.
WSAEINVAL (10022)	The parameter s is a listening socket.
WSAEISCONN (10056)	The socket is already connected (connection-oriented sockets only).
WSAENETUNREACH (10051)	The network cannot be reached from this host at this time.
WSAENOBUFS	No buffer space is available. The socket cannot be connected.
WSAENOTSOCK (10055)	The descriptor is not a socket.
WSAETIMEDOUT (10060)	Attempt to connect timed out without establishing a connection.
WSAEWOULDBLOCK (10035)	The socket is marked as non-blocking and the connection cannot be completed immediately.
WSAEACCES (10013)	Attempt to connect datagram socket to broadcast address failed because setsockopt option SO_BROADCAST is not enabled.

Solaris

The following list describes the possible error codes returned by the errorno function under Solaris:

Error Code	Description

EACCES(13)	Search permission is denied for a component of the path prefix of the pathname in name.
EADDRINUSE(125)	The address is already in use.
EADDRNOTAVAIL(126)	The specified address is not available on the remote machine.
EAFNOSUPPORT(124)	Addresses in the specified address family cannot be used with this socket.
EALREADY(149)	The socket is non-blocking and a previous connection attempt has not yet been completed.
EBADF(9)	This is not a valid descriptor.
ECONNREFUSED(146)	The attempt to connect was forcefully rejected. The calling program should close(2) the socket descriptor, and issue another socket(3N) call to obtain a new descriptor before attempting another connect() call.
EINPROGRESS(150)	The socket is non-blocking and the connection cannot be completed immediately. It is possible to select(3C) for completion by selecting the socket for writing. However, this is only possible if the socket STREAMS module is the topmost module on the protocol stack with a write service procedure. This is normally case.
EINTR(4)	The connection attempt was interrupted before any data arrived by the delivery of a signal.
EINVAL(22)	The namelen parameter is not the size of a valid address for the specified address family.
EIO(5)	An I/O error occurred while reading from or writing to the file system.
EISCONN(133)	The socket is already connected.
ELOOP(90)	Too many symbolic links were encountered in translating the pathname in name.
ENETUNREACH(128)	The network is not reachable from this host.
ENOENT(2)	A component of the path prefix of the pathname in name does not exist.
ENOENT(2)	The socket referred to by the pathname in name does not exist.
ENOSR(63)	There were insufficient STREAMS resources available to complete the operation.
ENXIO(6)	The server exited before the connection was complete.
ETIMEDOUT(145)	Connection establishment timed out without establishing a connection.
EWOULDBLOCK(11)	The socket is marked as non-blocking, and the requested operation would block.

Unix

The following errors are specific to connecting names in the UNIX domain.

Note: These errors may not apply in future versions of the UNIX IPC domain.

Error Code	Description
ENOTDIR(20)	A component of the path prefix of the pathname in name is not a directory.
ENOTSOCK(95)	Name is not a socket.
EPROTOTYPE(98)	The file referred to by name is a socket of a type other than type s (for example, s is a SOCK_DGRAM socket, while name refers to a SOCK_STREAM socket).

Linux

The following list describes the possible error codes returned by the errorno function under Linux:

Error Code	Description
EBADF(9)	The file descriptor is not a valid index in the descriptor table.
EFAULT(14)	The socket structure address is outside the user's address space.
ENOTSOCK(88)	The file descriptor is not associated with a socket.
EISCONN(106)	The socket is already connected.
ECONNREFUSED(111)	No one listening on the remote address.
ETIMEDOUT(110)	Timeout while attempting connection. The server may be too busy to accept new connections. Note that for IP sockets, the timeout may be very long when syncookies are enabled on the server.
ENETUNREACH(101)	Network is unreachable.
EADDRINUSE(98)	Local address is already in use.
EINPROGRESS(115)	The socket is non-blocking and the connection cannot be completed immediately. It is possible to select(2) or poll(2) for completion by selecting the socket for writing. After select indicates writability, use getsockopt(2) to read the SO_ERROR option at level SOL_SOCKET. This indicates whether connect completed successfully (SO_ERROR is zero) or unsuccessfully. (SO_ERROR is one of the usual error codes listed here, explaining the reason for the failure).
EALREADY(114)	The socket is non-blocking and a previous connection attempt has not yet been completed.
EAGAIN(11)	No more free local ports or insufficient entries in the routing cache. For PF_INET, see the net.ipv4.ip_local_port_range sysctl in ip(7) on how to increase the number of local ports.
EAFNOSUPPORT(97)	The passed address didn't have the correct address family in its sa_family field.
EACCES(13), EPERM(1)	The user tried to connect to a broadcast address without having the socket broadcast flag enabled, or the connection request failed because of a local firewall rule.

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Actions:

Check Winsock log file to get error number, then look at above table and find the description.

External Sources:

None

WSK_ABORT_00010

Input buffer set to NULL.

Description:

A pointer to a buffer to be converted by function DO_WSK_HexDecode is NULL.

Script Commands:

DO_WSK_HexDecode

Causes:

Improperly handle char type pointer.

Actions:

Check Winsock log file for errors.

External Sources:

None

WSK_ABORT_00011

Invalid value in input buffer.

Description:

Occurs when DO_WSK_HexDecode is called. DO_WSK_HexDecode converts hexadecimal characters to binary data suitable for sending to a connection using DO_WSK_Write(). If input string is not hexadecimal type data, this error occurs.

Script Commands:

DO_WSK_HexDecode

Causes:

Wrong input string.

Actions:

Check Winsock log file for errors.

External Sources:

None

WSK_ABORT_00012

Invalid number of characters in buffer.

Description:

Occurs when DO_WSK_HexDecode is called. DO_WSK_HexDecode converts hexadecimal characters to binary data suitable for sending to a connection using DO_WSK_Write(). If the number of input bytes is not even, this error occurs.

Script Commands:

DO_WSK_HexDecode

Causes:

Wrong input string.

Actions:

Check Winsock log file for errors.

External Sources:

None

WSK_ERROR_000013

Error during send.

Description:

Fail to call send function. The send function sends data on a connected socket.

Script Commands:

DO_WSK_Send()

DO_WSK_SendAll()

DO_WSK_Write()

Causes:

Windows

The following list describes the possible error codes returned by the WSAGetLastError function under Windows:

Error Code	Description
WSANOTINITIALISED (10093)	A successful WSAStartup call must occur before using this function.
WSAENETDOWN (10050)	The network subsystem has failed.
WSAEACCES (10013)	The requested address is a broadcast address, but the appropriate flag was not set. Call setsockopt with the SO_BROADCAST socket option to enable use of the broadcast address.
WSAEINTR (10004)	A blocking Windows Sockets 1.1 call was canceled through WSACancelBlockingCall.
WSAEINPROGRESS (10036)	A blocking Windows Sockets 1.1 call is in progress, or the service provider is still processing a callback function.
WSAEFAULT (10014)	The buf parameter is not completely contained in a valid part of the user address space.

WSAENETRESET (10052)	The connection has been broken due to the keep-alive activity detecting a failure while the operation was in progress.
WSAENOBUFS (10055)	No buffer space is available.
WSAENOTCONN (10057)	The socket is not connected.
WSAENOTSOCK (10038)	The descriptor is not a socket.
WSAEOPNOTSUPP (10045)	MSG_OOB was specified, but the socket is not stream-style such as type SOCK_STREAM; OOB data is not supported in the communication domain associated with this socket; or the socket is unidirectional and supports only receive operations.
WSAESHUTDOWN (10058)	The socket has been shut down; it is not possible to send on a socket after shutdown has been invoked with how set to SD_SEND or SD_BOTH.
WSAEWOULDBLOCK (10035)	The socket is marked as non-blocking and the requested operation would block.
WSAEMSGSIZE (10040)	The socket is message oriented, and the message is larger than the maximum supported by the underlying transport.
WSAEHOSTUNREACH (10065)	The remote host cannot be reached from this host at this time.
WSAEINVAL (10022)	The socket has not been bound with bind; or an unknown flag was specified; or MSG_OOB was specified for a socket with SO_OOBINLINE enabled.
WSAECONNABORTED (10053)	The virtual circuit was terminated due to a time-out or other failure. The application should close the socket as it is no longer usable.
WSAECONNRESET (10054)	The virtual circuit was reset by the remote side executing a hard or abortive close. For UPD sockets, the remote host was unable to deliver a previously sent UDP datagram and responded with a "Port Unreachable" ICMP packet. The application should close the socket as it is no longer usable.
WSAETIMEDOUT (10060)	The connection has been dropped because of a network failure or because the system on the other end went down without notice.

Solaris

The following list describes the possible error codes returned by the errorno function under Solaris:

Error Code	Description
EBADF(9)	s is an invalid file descriptor.
EINTR(4)	The operation was interrupted by delivery of a signal before any data could be buffered to be sent.
EINVAL(22	tolen is not the size of a valid address for the specified address family.
EMSGSIZE(97)	The socket requires that message be sent atomically and the message

	was too long.
ENOMEM(12)	There was insufficient memory available to complete the operation.
ENOSR(63)	There were insufficient STREAMS resources available for the operation to complete.
ENOTSOCK(95)	Not a socket.
EWOULDBLOCK(11)	The socket is marked non-blocking and the requested operation would block.

Linux

The following list describes the possible error codes returned by the errorno function under Linux:

Error Code	Description
EBADF(9)	An invalid descriptor was specified.
ENOTSOCK(88)	The argument s is not a socket.
EFAULT(14)	An invalid user space address was specified for a parameter.
EMSGSIZE(90)	The socket requires that message be sent atomically, and the size of the message to be sent made this impossible.
EAGAIN (11) or EWOULDBLOCK(11)	The socket is marked non-blocking and the requested operation would block.
ENOBUFS (105)	The output queue for a network interface was full. This generally indicates that the interface has stopped sending, but may be caused by transient congestion. (Normally, this does not occur in Linux. Packets are just silently dropped when a device queue overflows.)
EINTR(4)	A signal occurred.
ENOMEM(12)	No memory available.
EINVAL(22)	Invalid argument passed.
EPIPE(32)	The local end has been shut down on a connection oriented socket. In this case, the process also receives a SIGPIPE unless MSG_NOSIGNAL is set.

Actions:

Check Winsock log file to get error number, then look at above table and find the description.

External Sources:

None

WSK_ERROR_000014

Fail to call sendto function.

Description:

The sendto function sends data to a specific destination.

Script Commands:

DO_WSK_Sendto()

Causes:

Windows

The following list describes the possible error codes returned by the WSAGetLastError function under Windows:

Error Code	Description
WSANOTINITIALISED (10093)	A successful WSAStartup call must occur before using this function.
WSAENETDOWN (10050)	The network subsystem has failed.
WSAEACCES (10013)	The requested address is a broadcast address, but the appropriate flag was not set. Call setsockopt with the SO_BROADCAST parameter to allow the use of the broadcast address.
WSAEINVAL (10022)	An unknown flag was specified, or MSG_OOB was specified for a socket with SO_OOBINLINE enabled.
WSAEINTR (10004)	A blocking Windows Sockets 1.1 call was canceled through WSACancelBlockingCall.
WSAEINPROGRESS (10036)	A blocking Windows Sockets 1.1 call is in progress, or the service provider is still processing a callback function.
WSAEFAULT (10014)	The buf or to parameters are not part of the user address space, or the tolen parameter is too small.
WSAENETRESET (10052)	The connection has been broken due to keep-alive activity detecting a failure while the operation was in progress.
WSAENOBUFS (10055)	No buffer space is available.
WSAENOTCONN (10057)	The socket is not connected (connection-oriented sockets only).
WSAENOTSOCK (10038)	The descriptor is not a socket.
WSAEOPNOTSUPP (10045)	MSG_OOB was specified, but the socket is not stream-style such as type SOCK_STREAM; OOB data is not supported in the communication domain associated with this socket; or the socket is unidirectional and supports only receive operations.
WSAESHUTDOWN (10058)	The socket has been shut down; it is not possible to sendto on a socket after shutdown has been invoked with how set to SD_SEND or SD_BOTH.
WSAEWOULDBLOCK (10035)	The socket is marked as non-blocking and the requested operation would block.

WSAEMSGSIZE (10040)	The socket is message oriented and the message is larger than the maximum supported by the underlying transport.
WSAEHOSTUNREACH (10065)	The remote host cannot be reached from this host at this time.
WSAECONNABORTED (10053)	The virtual circuit was terminated due to a time-out or other failure. The application should close the socket as it is no longer usable.
WSAECONNRESET (10054)	The virtual circuit was reset by the remote side executing a hard or abortive close. For UPD sockets, the remote host was unable to deliver a previously sent UDP datagram and responded with a "Port Unreachable" ICMP packet. The application should close the socket as it is no longer usable.
WSAEADDRNOTAVAIL (10049)	The remote address is not a valid address, for example, ADDR_ANY.
WSAEAFNOSUPPORT (10047)	Addresses in the specified family cannot be used with this socket.
WSAEDESTADDRREQ (10039)	A destination address is required.
WSAENETUNREACH (10051)	The network cannot be reached from this host at this time.
WSAETIMEDOUT (10060)	The connection has been dropped because of a network failure or because the system on the other end went down without notice.
WOULDBLOCK(11)	The socket is marked non-blocking and the requested operation would block.
EBADF(9)	An invalid descriptor was specified.

Solaris

The following list describes the possible error codes returned by the errorno function under Solaris:

Error Code	Description
EBADF(9)	s is an invalid file descriptor.
EINTR(4)	The operation was interrupted by delivery of a signal before any data could be buffered to be sent.
EINVAL(22	tolen is not the size of a valid address for the specified address family.
EMSGSIZE(97)	The socket requires that message be sent atomically, and the message was too long.
ENOMEM(12)	There was insufficient memory available to complete the operation.
ENOSR(63)	There were insufficient STREAMS resources available for the operation to complete.
ENOTSOCK(95)	s is not a socket.

Linux

The following list describes the possible error codes returned by the errorno function under Linux:

Error Code	Description
ENOTSOCK(88)	The argument s is not a socket.
EFAULT(14)	An invalid user space address was specified for a parameter.
EMSGSIZE(90)	The socket requires that message be sent atomically, and the size of the message to be sent made this impossible.
EAGAIN (11) or EWOULDBLOCK(11)	The socket is marked non-blocking and the requested operation would block.
ENOBUFS (105)	The output queue for a network interface was full. This generally indicates that the interface has stopped sending, but may be caused by transient congestion. (Normally, this does not occur in Linux. Packets are just silently dropped when a device queue overflows.)
EINTR(4)	A signal occurred.
ENOMEM(12)	No memory available.
EINVAL(22)	Invalid argument passed.
EPIPE(32)	The local end has been shut down on a connection oriented socket. In this case, the process also receives a SIGPIPE unless MSG_NOSIGNAL is set.

Actions:

Check Winsock log file to get error number, then look at above table and find the description.

External Sources:

None

WSK_ERROR_000015

Error during recv.

Description:

Fail to call recv function. The recv function receives data from a connected or bound socket.

Script Commands:

DO_WSK_Recv()

Causes:

Windows

The following list describes the possible error codes returned by the WSAGetLastError function under Windows:

Error Code	Description
WSANOTINITIALISED (10093)	A successful WSAStartup call must occur before using this function.
WSAENETDOWN (10050)	The network subsystem has failed.

WSAEFAULT (10014)	The buf parameter is not completely contained in a valid part of the user address space.
WSAENOTCONN?10057)	The socket is not connected.
WSAEINTR(10004)	The (blocking) call was canceled through WSACancelBlockingCall.
WSAEINPROGRESS(10036)	A blocking Windows Sockets 1.1 call is in progress, or the service provider is still processing a callback function.
WSAENETRESET(10052)	The connection has been broken due to the keep-alive activity detecting a failure while the operation was in progress.
WSAENOTSOCK(10038)	The descriptor is not a socket.
WSAEOPNOTSUPP(10045)	MSG_OOB was specified, but the socket is not stream-style such as type SOCK_STREAM, OOB data is not supported in the communication domain associated with this socket, or the socket is unidirectional and supports only send operations.
WSAESHUTDOWN(10058)	The socket has been shut down; it is not possible to receive on a socket after shutdown has been invoked with how set to SD_RECEIVE or SD_BOTH.
WSAEWOULDBLOCK(10035)	The socket is marked as non-blocking and the receive operation would block.
WSAEMSGSIZE(10040)	The message was too large to fit into the specified buffer and was truncated.
WSAEINVAL(10022)	The socket has not been bound with bind, or an unknown flag was specified, or MSG_OOB was specified for a socket with SO_OOBINLINE enabled, or (for byte stream sockets only) len was zero or negative.
WSAECONNABORTED(10053)	The virtual circuit was terminated due to a time-out or other failure. The application should close the socket as it is no longer usable.
WSAETIMEDOUT(10060)	The connection has been dropped because of a network failure or because the peer system failed to respond.
WSAECONNRESET(10054)	The virtual circuit was reset by the remote side executing a hard or abortive close. The application should close the socket as it is no longer usable. On a UPD-datagram socket this error would indicate that a previous send operation resulted in an ICMP "Port Unreachable" message.

Solaris

The following list describes the possible error codes returned by the errorno function under Solaris:

Error Code	Description
EBADF(9)	s is an invalid file descriptor.
EINTR(4)	The operation was interrupted by delivery of a signal before any data

	was available to be received.
EIO(5)	An I/O error occurred while reading from or writing to the file system.
ENOMEM(12)	There was insufficient user memory available for the operation to complete.
ENOSR(63)	There were insufficient STREAMS resources avail- able for the operation to complete.
ENOTSOCK(95)	s is not a socket.
ESTALE(151)	A stale NFS file handle exists.
EWOULDBLOCK(11)	The socket is marked non-blocking and the requested operation would block.

Linux

The following list describes the possible error codes returned by the errorno function under Linux:

Error Code	Description
EBADF(9)	The argument s is an invalid descriptor.
ECONNREFUSED(111)	A remote host refused to allow the network connection, typically because it is not running the requested service.
ENOTCONN(107)	The socket is associated with a connection-oriented protocol and has not been connected (see connect(2) and accept(2)).
ENOTSOCK(88)	The argument s does not refer to a socket.
EAGAIN(11)	The socket is marked non-blocking and the receive operation would block, or a receive timeout had been set and the timeout expired before data was received.
EINTR(4)	The receive was interrupted by delivery of a signal before any data were available.
EFAULT(14)	The receive buffer pointer(s) point outside the process's address space.
EINVAL(22)	Invalid argument passed.

Actions:

Check Winsock log file to get error number, then look at above table and find the description.

External Sources:

None

WSK_ERROR_000016

Fail to call recvfrom function.

Description:

Fail to call recvfrom function. The recvfrom function receives a datagram and stores the source address.

Script Commands:

DO_WSK_Recvfrom()

Causes:

Windows

The following list describes the possible error codes returned by the WSAGetLastError function under Windows:

Error Code	Description
WSANOTINITIALISED (10093)	A successful WSAStartup call must occur before using this function.
WSAENETDOWN (10050)	The network subsystem has failed.
WSAEFAULT(10014)	The buf or from parameters are not part of the user address space, or the fromlen parameter is too small to accommodate the peer address.
WSAEINTR(10004)	The (blocking) call was canceled through WSACancelBlockingCall.
WSAEINPROGRESS(10036)	A blocking Windows Sockets 1.1 call is in progress, or the service provider is still processing a callback function.
WSAEINVAL(10022)	The socket has not been bound with bind, or an unknown flag was specified, or MSG_OOB was specified for a socket with SO_OOBINLINE enabled, or (for byte stream-style sockets only) len was zero or negative.
WSAEISCONN(10056)	The socket is connected. This function is not permitted with a connected socket, whether the socket is connection oriented or connectionless.
WSAENETRESET(10052)	The connection has been broken due to the keep-alive activity detecting a failure while the operation was in progress.
WSAENOTSOCK(10038)	The descriptor is not a socket.
WSAEOPNOTSUPP(10045)	MSG_OOB was specified, but the socket is not stream-style such as type SOCK_STREAM, OOB data is not supported in the communication domain associated with this socket, or the socket is unidirectional and supports only send operations.
WSAESHUTDOWN(10058)	The socket has been shut down; it is not possible to recvfrom on a socket after shutdown has been invoked with how set to SD_RECEIVE or SD_BOTH.
WSAEWOULDBLOCK(10035)	The socket is marked as nonblocking and the recvfrom operation would block.
WSAEMSGSIZE (10040)	The message was too large to fit into the specified buffer and was truncated.
WSAETIMEDOUT(10060)	The connection has been dropped because of a network failure or

	because the system on the other end went down without notice.
WSAECONNRESET(10054)	The virtual circuit was reset by the remote side executing a hard or abortive close. The application should close the socket; it is no longer usable. On a UDP-datagram socket, this error indicates a previous send operation resulted in an ICMP Port Unreachable message.

Solaris

The following list describes the possible error codes returned by the errorno function under Solaris:

Error Code	Description
EBADF(9)	s is an invalid file descriptor.
EINTR(4)	The operation was interrupted by delivery of a signal before any data was available to be received.
EIO(5)	An I/O error occurred while reading from or writing to the file system.
ENOMEM(12)	There was insufficient user memory available for the operation to complete.
ENOSR(63)	There were insufficient STREAMS resources available for the operation to complete.
ENOTSOCK(95)	s is not a socket.
ESTALE(151)	A stale NFS file handle exists.
EWOULDBLOCK(11)	The socket is marked non-blocking and the requested operation would block.

Linux

The following list describes the possible error codes returned by the errorno function under Linux:

Error Code	Description
EBADF(9)	The argument s is an invalid descriptor.
ECONNREFUSED(111)	A remote host refused to allow the network connection, typically because it is not running the requested service.
ENOTCONN(107)	The socket is associated with a connection-oriented protocol and has not been connected (see connect(2) and accept(2)).
ENOTSOCK(88)	The argument s does not refer to a socket.
EAGAIN(11)	The socket is marked non-blocking and the receive operation would block, or a receive timeout had been set and the timeout expired before data was received.
EINTR(4)	The receive was interrupted by delivery of a signal before any data were available.
EFAULT(14)	The receive buffer pointer(s) point outside the process's address space.

| EINVAL(22) | Invalid argument passed. |

Actions:

Check Winsock log file to get error number, then look at above table and find the description.

External Sources:

None

WSK_ERROR_000017

Failed to call closesocket/close function.

Description:

Fail to call closesocket function (close function on Solaris/Linux platform). This function closes an existing socket.

Script Commands:

DO_WSK_Closesocket

Causes:

Windows

The following list describes the possible error codes returned by the WSAGetLastError function under Windows:

Error Code	Description
WSANOTINITIALISED (10093)	A successful WSAStartup call must occur before using this function.
WSAENETDOWN (10050)	The network subsystem has failed.
WSAEINTR(10004)	The (blocking) Windows Socket 1.1 call was canceled through WSACancelBlockingCall.
WSAEINPROGRESS(10036)	A blocking Windows Sockets 1.1 call is in progress, or the service provider is still processing a callback function.
WSAENOTSOCK(10038)	The descriptor is not a socket.
WSAEWOULDBLOCK(10035)	The socket is marked as non-blocking and SO_LINGER is set to a nonzero time-out value.

Solaris

The following list describes the possible error codes returned by the errorno function under Solaris:

Error Code	Description
EBADF(9)	The fildes argument is not a valid file descriptor.
EINTR(4)	The close() function was interrupted by a signal.
EIO(5)	An I/O error occurred while reading from or writing to the file system.

ENOLINK(67)	The fildes argument is on a remote machine and the link to that machine is no longer active.
ENOSPC(28)	There was no free space remaining on the device containing the file.

Linux

The following list describes the possible error codes returned by the errorno function under Linux:

Error Code	Description
EBADF(9)	fd isn't a valid open file descriptor.
EINTR (4)	The close() call was interrupted by a signal.
EIO (5)	An I/O error occurred.

Actions:

Check Winsock log file to get error number, then look at above table and find the description.

External Sources:

None

WSK_ERROR_000018

Fail to call setsockopt function.

Description:

Fail to call setsockopt function. The setsockopt function sets a socket option.

Script Commands:

DO_WSK_Setsockopt

DO_WSK_Socket

DO_WSK_Accept

Causes:

Windows

The following list describes the possible error codes returned by the WSAGetLastError function under Windows:

Error Code	Description
WSANOTINITIALISED(10093)	A successful WSAStartup call must occur before using this function.
WSAENETDOWN(10050)	The network subsystem has failed.
WSAEFAULT(10014)	optval is not in a valid part of the process address space, or optlen parameter is too small.
WSAEINPROGRESS(10036)	A blocking Windows Sockets 1.1 call is in progress, or the service provider is still processing a callback function.

WSAEINVAL(10022)	level is not valid, or the information in optval is not valid.
WSAENETRESET(10052)	Connection has timed out when SO_KEEPALIVE is set.
WSAENOPROTOOPT(10042)	The option is unknown or unsupported for the specified provider or socket (see SO_GROUP_PRIORITY limitations).
WSAENOTCONN(10057)	Connection has been reset when SO_KEEPALIVE is set.
WSAENOTSOCK(10038)	The descriptor is not a socket.

Solaris

The following list describes the possible error codes returned by the errorno function under Solaris:

Error Code	Description
EBADF(9)	The argument s is not a valid file descriptor.
ENOMEM(12)	There was insufficient memory available for the operation to complete.
ENOPROTOOPT(99)	The option is unknown at the level indicated.
ENOSR(63)	There were insufficient STREAMS resources available for the operation to complete.
ENOTSOCK(95)	The argument s is not a socket.

Linux

The following list describes the possible error codes returned by the errorno function under Linux:

Error Code	Description
EBADF(9)	The argument s is not a valid descriptor.
ENOTSOCK(88)	The argument s is a file, not a socket.
ENOPROTOOPT(92)	The option is unknown at the level indicated.
EFAULT(14)	The address pointed to by optval is not in a valid part of the process address space. For getsockopt, this error may also be returned if optlen is not in a valid part of the process address space.
EINVAL(22)	optlen invalid in setsockopt.

Actions:

Check Winsock log file to get error number, then look at above table and find the description.

External Sources:

None

WSK_ERROR_000019

Fail to call getsockname function.

Description:

Fail to call getsockname function. The setsockopt function sets a socket option.

Script Commands:

DO_WSK_Bind

DO_WSK_Getsockname

Causes:

Windows

The following list describes the possible error codes returned by the WSAGetLastError function under Windows:

Error Code	Description
WSANOTINITIALISED (10093)	A successful WSAStartup call must occur before using this API.
WSAENETDOWN(10050)	The network subsystem has failed.
WSAEFAULT (10014)	The name or the namelen parameter is not a valid part of the user address space, or the namelen parameter is too small.
WSAEINPROGRESS(10036)	A blocking Windows Sockets 1.1 call is in progress, or the service provider is still processing a callback function.
WSAENOTSOCK (10038)	The descriptor is not a socket.
WSAEINVAL(10022)	The socket has not been bound to an address with bind, or ADDR_ANY is specified in bind but connection has not yet occurred.

Solaris

The following list describes the possible error codes returned by the errorno function under Solaris:

Error Code	Description
EBADF(9)	The argument s is not a valid file descriptor.
ENOMEM(12)	There was insufficient memory available for the operation to complete.
ENOSR (63)	There were insufficient STREAMS resources available for the operation to complete.
ENOTSOCK (95)	The argument s is not a socket.

Linux

The following list describes the possible error codes returned by the errorno function under Linux:

Error Code	Description
EBADF(9)	The argument s is not a valid descriptor.

ENOTSOCK(88)	The argument s is a file, not a socket.
ENOBUFS (105)	Insufficient resources were available in the system to perform the operation.
EFAULT (914)	The name parameter points to memory not in a valid part of the process address space.

Actions:

Check Winsock log file to get error number, then look at above table and find the description.

External Sources:

None

WSK_ERROR_00020

Fail to call bind function.

Description:

Fail to call bind function. The bind function associates a local address with a socket.

Script Commands:

DO_WSK_Bind()

Causes:

Windows

The following list describes the possible error codes returned by the WSAGetLastError function under Windows:

Error Code	Description
WSANOTINITIALISED(10093)	A successful WSAStartup call must occur before using this function.
WSAENETDOWN(10050)	The network subsystem has failed.
WSAEACCES(10013)	Attempt to connect datagram socket to broadcast address failed because setsockopt option SO_BROADCAST is not enabled.
WSAEADDRINUSE(10048)	A process on the computer is already bound to the same fully qualified address and the socket has not been marked to allow address reuse with SO_REUSEADDR. For example, the IP address and port are bound in the af_inet case. (See the SO_REUSEADDR socket option under setsockopt.)
WSAEADDRNOTAVAIL(10049)	The specified address is not a valid address for this computer.
WSAEFAULT(10014)	The name or namelen parameter is not a valid part of the user address space, the namelen parameter is too small, the name parameter contains an incorrect address format for the associated address family, or the first two bytes of the memory block specified by name does not match the address family associated with the socket descriptor s.

WSAEINPROGRESS(10036)	A blocking Windows Sockets 1.1 call is in progress, or the service provider is still processing a callback function.
WSAEINVAL(10022)	The socket is already bound to an address.
WSAENOBUFS(10055)	Not enough buffers available, too many connections.
WSAENOTSOCK(10038)	The descriptor is not a socket.

Solaris

The following list describes the possible error codes returned by the errorno function under Solaris:

Error Code	Description
EACCES(13)	The requested address is protected and the current user has inadequate permission to access it.
EADDRINUSE(125)	The specified address is already in use.
EADDRNOTAVAIL (126)	The specified address is not available on the local machine.
EBADF(9)	s is not a valid descriptor.
EINVAL(22)	namelen is not the size of a valid address for the specified address family.
EINVAL(22)	The socket is already bound to an address.
ENOSR (63)	There were insufficient STREAMS resources for the operation to complete.
ENOTSOCK(95)	s is a descriptor for a file, not a socket.
EACCES(13)	Search permission is denied for a component of the path prefix of the pathname in name.
EIO (5)	An I/O error occurred while making the directory entry or allocating the inode.
EISDIR (21)	A null pathname was specified.
ELOOP (90)	Too many symbolic links were encountered in translating the pathname in name.
ENOENT (2)	A component of the path prefix of the pathname in name does not exist.
ENOTDIR (20)	A component of the path prefix of the pathname in name is not a directory.
EROFS (30)	The inode would reside on a read-only file system.

Linux

The following list describes the possible error codes returned by the errorno function under Linux:

Error Code	Description
EBADF(9)	sockfd is not a valid descriptor.
EINVAL(22)	The socket is already bound to an address. This may change in the future: see linux/unix/sock.c for details.
EACCES (13)	The address is protected and the user is not the supervisor.
ENOTSOCK (88)	Argument is a descriptor for a file, not a socket.

Unix (AF-UNIX)

The following errors are specific to UNIX domain (AF_UNIX) sockets:

Error Code	Description
EINVAL(22)	The addrlen is wrong, or the socket was not in the AF_UNIX family.
EROFS (30)	The socket inode would reside on a read-only file system.
EFAULT (14)	my_addr points outside the user's accessible address space.
ENAMETOOLONG (36)	my_addr is too long.
ENOENT(2)	The file does not exist.
ENOMEM (12)	Insufficient kernel memory was available.
ENOTDIR (20)	A component of the path prefix is not a directory.
EACCES (13)	Search permission is denied on a component of the path prefix.
ELOOP (40)	Too many symbolic links were encountered in resolving my_addr.

Actions:

Check Winsock log file to get error number, then look at above table and find the description.

External Sources:

None

WSK_ERROR_00021

Fail to call listen function.

Description:

Fail to call listen function. The listen function places a socket in a state in which it is listening for an incoming connection.

Script Commands:

DO_WSK_Listen()

Error Codes, Customer Support, Accessibility, Glossary

Windows

The following list describes the possible error codes returned by the WSAGetLastError function under Windows:

Error Code	Description
WSANOTINITIALISED(10093)	A successful WSAStartup call must occur before using this function.
WSAENETDOWN(10050)	The network subsystem has failed.
WSAEADDRINUSE(10048)	The socket's local address is already in use and the socket was not marked to allow address reuse with SO_REUSEADDR. This error usually occurs during execution of the bind function, but could be delayed until this function if the bind was to a partially wildcard address (involving ADDR_ANY) and if a specific address needs to be committed at the time of this function.
WSAEINPROGRESS(10036)	A blocking Windows Sockets 1.1 call is in progress, or the service provider is still processing a callback function.
WSAEINVAL(10022)	The socket has not been bound with bind.
WSAEISCONN(10056)	The socket is already connected.
WSAEMFILE(10024)	No more socket descriptors are available.
WSAENOBUFS(10055)	No buffer space is available.
WSAENOTSOCK(10038)	The descriptor is not a socket.
WSAEOPNOTSUPP(10045)	The referenced socket is not of a type that supports the listen operation.

Solaris

The following list describes the possible error codes returned by the errorno function under Solaris:

Error Code	Description
EBADF(9)	The argument s is not a valid file descriptor.
ENOTSOCK(95)	The argument s is not a socket.
EOPNOTSUPP(122)	The socket is not of a type that supports the operation listen().

Linux

The following list describes the possible error codes returned by the errorno function under Linux:

Error Code	Description
EADDRINUSE(40)	Another socket is already listening on the same port.
EBADF(9)	The argument s is not a valid descriptor.

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ENOTSOCK(88)	The argument s is not a socket.
EOPNOTSUPP(95)	The socket is not of a type that supports the listen operation.

Actions:

Check Winsock log file to get error number, then look at above table and find the description.

External Sources:

None

WSK_ERROR_00022

Fail to call accept function.

Description:

Fail to call accept function. The accept function permits an incoming connection attempt on a socket.

Script Commands:

DO_WSK_Accept()

Causes:

Windows

The following list describes the possible error codes returned by the WSAGetLastError function under Windows:

Error Code	Description
WSANOTINITIALISED(10093)	A successful WSAStartup call must occur before using this function.
WSAECONNRESET(10054)	An incoming connection was indicated, but was subsequently terminated by the remote peer prior to accepting the call.
WSAEFAULT(10014)	The addrlen parameter is too small, or addr is not a valid part of the user address space.
WSAEINTR(10004)	A blocking Windows Sockets 1.1 call was canceled through WSACancelBlockingCall.
WSAEINVAL(10022)	The listen function was not invoked prior to accept.
WSAEINPROGRESS(10036)	A blocking Windows Sockets 1.1 call is in progress, or the service provider is still processing a callback function.
WSAEMFILE(10024)	The queue is nonempty upon entry to accept and there are no descriptors available.
WSAENETDOWN(10050)	The network subsystem has failed.
WSAENOBUFS(10055)	No buffer space is available.
WSAENOTSOCK(10038)	The descriptor is not a socket.
WSAEOPNOTSUPP(10045)	The referenced socket is not of a type that supports the listen operation.

WSAEWOULDBLOCK(10035)	The socket is marked as nonblocking and no connections are present to be accepted.

Solaris

The following list describes the possible error codes returned by the errorno function under Solaris:

Error Code	Description
EBADF(9)	The descriptor is invalid.
EINTR(4)	The accept attempt was interrupted by the delivery of a signal.
EMFILE(24)	The per-process descriptor table is full.
ENODEV(19)	The protocol family and type corresponding to s could not be found in the netconfig file.
ENOMEM(12)	There was insufficient user memory available to complete the operation.
ENOSR(63)	There were insufficient STREAMS resources available to complete the operation.
ENOTSOCK(95)	The descriptor does not reference a socket.
EOPNOTSUPP(122)	The referenced socket is not of type SOCK_STREAM.
EPROTO(71)	A protocol error has occurred; for example, the STREAMS protocol stack has not been initialized or the connection has already been released.
EWOULDBLOCK(11)	The socket is marked as non-blocking and no connections are present to be accepted.

Linux

The following list describes the possible error codes returned by the errorno function under Linux:

Error Code	Description
EAGAIN(11) or EWOULDBLOCK(11)	The socket is marked non-blocking and no connections are present to be accepted.
EBADF(9)	The descriptor is invalid.
ENOTSOCK(88)	The descriptor references a file, not a socket.
EOPNOTSUPP(95)	The referenced socket is not of type SOCK_STREAM.
EINTR(4)	The system call was interrupted by a signal that was caught before a valid connection arrived.
ECONNABORTED(103)	A connection has been aborted.
EINVAL (22)	Socket is not listening for connections.
EMFILE (24)	The per-process limit of open file descriptors has been reached.

ENFILE (24)	The system maximum for file descriptors has been reached.
EFAULT (14)	The addr parameter is not in a writable part of the user address space.
ENOBUFS(105), ENOMEM(12)	Not enough free memory. This often means that the memory allocation is limited by the socket buffer limits, not by the system memory.
EPROTO(71)	Protocol error.
EPERM(1)	Firewall rules forbid connection.

Actions:

Check Winsock log file to get error number, then look at above table and find the description.

External Sources:

None

WSK_ERROR_00023

Fail to call select function.

Description:

Fail to call select function. The select function determines the status of one or more sockets, waiting if necessary, to perform synchronous I/O.

Script Commands:

DO_WSK_IsReadable()

DO_WSK_IsWriteable()

DO_WSK_Select()

Causes:

Windows

The following list describes the possible error codes returned by the WSAGetLastError function under Windows:

Error Code	Description
WSANOTINITIALISED(10093)	A successful WSAStartup call must occur before using this function.
WSAEFAULT(10014)	The Windows Sockets implementation was unable to allocate needed resources for its internal operations, or the readfds, writefds, exceptfds, or timeval parameters are not part of the user address space.
WSAENETDOWN(10050)	The network subsystem has failed.
WSAEINVAL(10022)	The time-out value is not valid, or all three descriptor parameters were null.

WSAEINTR(10004)	A blocking Windows Socket 1.1 call was canceled through WSACancelBlockingCall.
WSAEINPROGRESS(10036)	A blocking Windows Sockets 1.1 call is in progress, or the service provider is still processing a callback function.
WSAENOTSOCK(10038)	One of the descriptor sets contains an entry that is not a socket.

Solaris

The following list describes the possible error codes returned by the errorno function under Solaris:

Error Code	Description
EBADF(9)	One or more of the file descriptor sets specified a file descriptor that is not a valid open file descriptor.
EINTR(4)	The select() function was interrupted before any of the selected events occurred and before the timeout interval expired. If SA_RESTART has been set for the interrupting signal, it is implementation-dependent whether select() restarts or returns with EINTR.
EINVAL(22)	An invalid timeout interval was specified.
EINVAL(22)	The nfds argument is less than 0, or greater than or equal to FD_SETSIZE.
EINVAL(22)	One of the specified file descriptors refers to a STREAM or multiplexer that is linked, directly or indirectly, downstream from a multiplexer.
EINVAL(22)	A component of the pointed-to time limit is outside the acceptable range: t_sec must be between 0 and 10**8, inclusive. t_usec must be greater than or equal to 0, and less than 10**6.

Linux

The following list describes the possible error codes returned by the errorno function under Linux:

Error Code	Description
EBADF(9)	An invalid file descriptor was given in one of the sets.
EINTR(4)	A non blocked signal was caught.
EINVAL(22)	n is negative, or the value contained within timeout is invalid.
ENOMEM(12)	Select was unable to allocate memory for internal tables.

Actions:

Check Winsock log file to get error number, then look at above table and find the description.

External Sources:

None

WSK_ERROR_00024

Fail to call ioctlsocket/ioctl function.

Description:

Fail to call ioctlsocket/ioctl function. The ioctlsocket/ioctl function controls the I/O mode of a socket.

Script Commands:

DO_WSK_Ioctlsocket()

Causes:

Windows

The following list describes the possible error codes returned by the WSAGetLastError function under Windows:

Error Code	Description
WSANOTINITIALISED(10093)	A successful WSAStartup call must occur before using this function.
WSAENETDOWN(10050)	The network subsystem has failed.
WSAEINPROGRESS(10036)	A blocking Windows Sockets 1.1 call is in progress, or the service provider is still processing a callback function.
WSAENOTSOCK(10038)	The descriptor s is not a socket.
WSAEFAULT(10014)	The argp parameter is not a valid part of the user address space.

Solaris

The following list describes the possible error codes returned by the errorno function under Solaris:

Error Code	Description
EFAULT(14)	The request argument requires a data transfer to or from a buffer pointed to by arg, but arg points to an illegal address.
EINVAL(22)	The request or arg argument is not valid for this device.
EIO(5)	Some physical I/O error has occurred.
ENOLINK(67)	The fildes argument is on a remote machine and the link to that machine is no longer active.
ENOTTY(25)	The fildes argument is not associated with a STREAMS device that accepts control functions.
ENXIO(6)	The request and arg arguments are valid for this device driver, but the service requested cannot be performed on this particular subdevice.
ENODEV(19)	The fildes argument refers to a valid STREAMS device, but the corresponding device driver does not support the ioctl() function.

Linux

The following list describes the possible error codes returned by the errorno function under Linux:

Error Code	Description
EBADF(9)	d is not a valid descriptor.
EFAULT(14)	argp references an inaccessible memory area.
ENOTTY(14)	d is not associated with a character special device.
ENOTTY(25)	The specified request does not apply to the kind of object that the descriptor d references.
EINVAL(22)	Request or argp is not valid.

Actions:

Check Winsock log file to get error number, then look at above table and find the description.

External Sources:

None

WSK_WARNING_00025

Fail to call shutdown function.

Description:

Fail to call shutdown function. The shutdown function disables sends or receives on a socket.

Script Commands:

DO_WSK_Shutdown

Causes:

Windows

The following list describes the possible error codes returned by the WSAGetLastError function under Windows:

Error Code	Description
WSANOTINITIALISED (10093)	A successful WSAStartup call must occur before using this function.
WSAENETDOWN (10050)	The network subsystem has failed.
T WSAEINVAL (10022)	The how parameter is not valid, or is not consistent with the socket type. For example, SD_SEND is used with a UNI_RECV socket type.
WSAEINPROGRESS (10036)	A blocking Windows Sockets 1.1 call is in progress, or the service provider is still processing a callback function.
WSAENOTCONN (10057)	The socket is not connected (connection-oriented sockets only).
WSAENOTSOCK (10038)	The descriptor is not a socket.

Solaris

The following list describes the possible error codes returned by the errorno function under Solaris:

Error Code	Description
EBADF(9)	s is not a valid file descriptor.
ENOMEM(12)	There was insufficient user memory available for the operation to complete.
ENOSR(63)	There were insufficient STREAMS resources available for the operation to complete.
ENOTCONN(134)	The specified socket is not connected.
ENOTSOCK(95)	s is not a socket.

Linux

The following list describes the possible error codes returned by the errorno function under Linux:

Error Code	Description
EBADF(9)	s is not a valid descriptor.
ENOTSOCK(88)	s is a file, not a socket.
ENOTCONN(107)	The specified socket is not connected.

Actions:

Check Winsock log file to get error number, then look at above table and find the description.

External Sources:

None

WWW

WWW Playback Error Codes

QALoad displays error codes during playback for specific exception messages. While debugging, refer to the table below that lists error codes and descriptions that apply to WWW scripts.

Error code	Description
WWW_ABORT_00001	Time out, value <timeout value> is invalid. Value must be between 5 and 65535.
WWW_ABORT_00003	Max browser thread, value <browser threads> is invalid. Max browser threads must be between 1 and 4.
WWW_ABORT_00004	Proxy version, value <Proxy version> is invalid. Proxy version must be 1.0 or 1.1.
WWW_ABORT_00005	HTTP version, value <HTTP version> is invalid. HTTP version must be 1.0 or 1.1.

WWW_ABORT_00006	Unable to open IPSpoof data pool.
WWW_ABORT_00007	Cannot execute SSL. SSL library not installed.
WWW_ABORT_00008	Parameter, value <parameter value> is invalid. <Brief description>
WWW_ABORT_00011	Memory allocation failure, size <bytes>.
WWW_ABORT_00016	Retry count, value <count number> is invalid. Retry count must be between 1 and 99.
WWW_ABORT_00019	Windows Integrated Authentication unsupported on this platform.
WWW_ABORT_00020	Clear option, value <clear option> is invalid.
WWW_ABORT_00101	URL, value <url> is invalid.
WWW_ABORT_00108	Form field, value <field type> is invalid.
WWW_ABORT_00116	Not enough space provided in output buffer. Needed: <space>.
WWW_ABORT_00135	Unable to open binary file <file name>.
WWW_ABORT_00143	HTTP Request is invalid. <Brief description>.
WWW_ABORT_00170	Invalid version of SSL, value <value>.
WWW_ABORT_00180	Internal substring search error, left string <left>, right string <right>, count <count>.
WWW_ABORT_00407	<Auth Type> authorization failed. <Brief description>
WWW_ABORT_01000	Get option <option> is invalid. <Brief description>
WWW_ABORT_01001	Get option <option>, value <value> is invalid. <Brief description>
WWW_ABORT_01100	Set option <option> is invalid. <Brief description>
WWW_ABORT_01101	Set option <option>, value <value> is invalid. <Brief description>
WWW_ABORT_01200	Specifier <option> is invalid. <Brief description>
WWW_ABORT_01201	Specifier <option>, value <value> is invalid. <Brief description>
WWW_ABORT_01300	Click option <option> is invalid. <Brief description>
WWW_ABORT_01301	Click option <option>, value <value> is invalid. <Brief description>
WWW_ABORT_01400	Link option <option> is invalid. <Brief description>
WWW_ABORT_01401	Link option <option>, value <value> is invalid. <Brief description>
WWW_ABORT_01500	Verify option <option> is invalid. <Brief description>
WWW_ABORT_01501	Verify option <option>, value <value> is invalid. <Brief description>

WWW_ABORT_01700	The reply did not contain a body to parse.
WWW_ABORT_01701	Failed to create temporary ICA file.
WWW_ABORT_01702	The reply is not a supported ICA file format.
WWW_ABORT_01800	HTTP GET encoding option <option> is invalid. <Brief description>.
WWW_ABORT_01801	HTTP POST encoding option <option> is invalid. <Brief description>.
WWW_ERROR_00009	Page is not a redirect.
WWW_ERROR_00026	IP Address, value <IP address> is invalid.
WWW_ERROR_00100	Internal error: <Brief description>
WWW_ERROR_00103	Anchor tag, value <anchor name> not found.
WWW_ERROR_00104	Anchor tag, value <anchor index> not found.
WWW_ERROR_00106	Map region not found.
WWW_ERROR_00107	Form, value <form number> not found.
WWW_ERROR_00109	Form field, value <field name> not found.
WWW_ERROR_00111	Cookie, value <cookie name> not found. <Brief description>
WWW_ERROR_00112	Page not found.
WWW_ERROR_00113	Response not found.
WWW_ERROR_00114	HTTP header, value <header name> not found.
WWW_ERROR_00124	Pattern string, value <pattern> not found. <Brief description>.
WWW_ERROR_00126	Unable to create the socket to <host name> (error =<error number>)
WWW_ERROR_00127	IP Spoofing unable to bind <spoofing IP address> (error = <error number>)
WWW_ERROR_00128	Unable to connect to <host name> (error = <error number>)
WWW_ERROR_00130	Unable to send data to <host name> (error = <error number>)
WWW_ERROR_00131	Unable to connect to <host name>.
WWW_ERROR_00132	Timeout waiting for reply from <host name>, (error = <error number>)
WWW_ERROR_00133	No data downloaded from <host name>.
WWW_ERROR_00138	Only read <byte read> bytes from <file> (expected <size>).
WWW_ERROR_00140	Verification failed: <title> was received.
WWW_ERROR_00144	HTTP status, value <value> is invalid.

WWW_ERROR_00145	GZIP-encoded content inflate call failed, error: <error> .
WWW_ERROR_00146	String error in string <string>, index <index>, length <length>.
WWW_ERROR_00147	No data available in response from host <name>, error: <error>
WWW_ERROR_00148	Timed out waiting for data from host <host>.
WWW_ERROR_00149	No browser connection available for host <host>.
WWW_ERROR_00150	Port, value <value> is invalid; host: <host>.
WWW_ERROR_00151	Unable to retrieve local host name.
WWW_ERROR_00152	Unable to resolve URL <url>, error: <error>
WWW_ERROR_00153	Proxy Automatic Configuration script returned error: <error> in function: <function>.
WWW_ERROR_00160	Frame not found.
WWW_ERROR_00171	Failed to connect to host using SSL, URL <url>.
WWW_ERROR_00172	Unable to create new SSL context.
WWW_ERROR_00173	Unable to get SSL cipher list, URL <url>.
WWW_ERROR_00174	Unable to create new SSL object, URL <url>.
WWW_ERROR_00175	Unable to set SSL cipher list, URL <url>.
WWW_ERROR_00176	Unable to use SSL object, URL <url>.
WWW_ERROR_00190	Internal XML parsing error. <Brief description>
WWW_ERROR_01202	Specifier <option> not found. <Brief description>
WWW_ERROR_01203	Specifier <option>, value <value> not found. <Brief description>
WWW_ERROR_01402	Link option <option> not found. <Brief description>
WWW_ERROR_01403	Link option <option>, value <value> not found. <Brief description>
WWW_ERROR_01502	Verify option <option> not found. <Brief description>
WWW_ERROR_01503	Verify option <option>, value <value> not found. <Brief description>
WWW_ERROR_01600	Fill in control option <option> not found. <Brief description>
WWW_ERROR_01601	Fill in control option <option>, value <value> not found. <Brief description>
WWW_ERROR_03001	Content Check Violation: <Reason list>
WWW_WARNING_00300	Unable to create cookie, Set-Cookie string: <string>
WWW_WARNING_00301	Subrequest skipped: <Brief description>

WWW_ABORT_00001

The time out value set for the script is invalid.

Description:

The time out value set in the DO_SetTimeout call or the Set[USER_PATIENCE] call is not in the acceptable range of 5 to 65535 seconds.

Script Commands:

DO_SetTimeout

Set

Causes:

An incorrect parameter was set in the call.

Actions:

Modify the call parameter (nTimeout) to a valid value.

External Sources:

None

WWW_ABORT_00003

The max browser thread value set in the script is invalid.

Description:

The max browser thread value in the DO_SetMaxBrowserThreads call or the Set[BROWSER_THREADS] call is not in the acceptable range of 1 through 4.

Script Commands:

DO_SetMaxBrowserThreads

Set

Causes:

An incorrect parameter was set in the call.

Actions:

Modify the call parameter (nCount) to a valid value.

External Sources:

None

WWW_ABORT_00004

The proxy version specified is invalid.

Description:

The proxy version specified in the Do_ProxyHttpVersion call or the Set [PROXY_HTTP_VERSION] call is not a supported version. Supported versions are "1.0" and "1.1".

Script Commands:

Do_ProxyHttpVersion

Set

Causes:

An incorrect parameter was set in the call.

Actions:

Modify the call parameter (szVersion) to a valid value.

External Sources:

None

WWW_ABORT_00005

The HTTP version specified is invalid.

Description:

The HTTP version specified in the DO_HTTPVersion call or the Set [HTTP_VERSION] call is not a supported version. Supported versions are "1.0" and "1.1".

Script Commands:

DO_HTTPVersion

Set

Causes:

An incorrect parameter was set in the call.

Actions:

Modify the call parameter (szVersion) to a valid value.

External Sources:

None

WWW_ABORT_00006

The IPSpoof data file cannot be opened for use with the script.

Description:

The data file specified in the DO_IPSpoofEnable call is not present or is not a valid datapool file. Datapool files use a comma-separated value file format.

Script Commands:

DO_IPSpoofEnable

Causes:

- ! The datafile specified does not exist or was not transferred to the player machine.

- ! The datafile specified in the script is incorrect.

Actions:

- ! Ensure that the IPSpoof datafile has been created and is specified correctly in the script.

- ! Create the IPSpooof file using Generate IPSpoof Datapool command in the Conductor. This file is called ipspoof.dat. Ensure the name is specified in the script.

External Sources:

None

WWW_ABORT_00007

The SSL library was not found on the playback machine.

Description:

The SSL code contained in this script cannot be executed. No SSL library was found on the playback machine.

Script Command:

DO_Https   Click_On

Navigate_To   XmlRequest

Post_To

Causes:

The playback machine does not have SSL library installed The SSL libraries must be installed for QALoad to playback an SSL script.

Actions:

Ensure that the SSL software is installed on the playback machine prior to running a script on the machine.

External Sources:

None

WWW_ABORT_00008

A required parameter for this call has been set to NULL.

Description:

A parameter for this call that requires an explicit value has been set to NULL. This command cannot execute unless this value is specified.

Script Commands:

DO_GetAnchorHREF	DO_SSLUseClientCert	DO_BlockTrafficFrom
DO_GetAnchorByNumber	DO_AddHeader	Navigate_To
DO_GetFormActionStatement	DO_SetAssumedContentType	XmlRequest
DO_GetFormValueByName	DO_ProxyAuthorization	Post_To
Set	DO_BasicAuthorization	DO_GetHeaderFromReply
DO_GetRedirectedURL	DO_AllowTrafficFrom	DO_GetCookie

Causes:

A NULL parameter for this script command was entered during script modification.

Actions:

Ensure that the parameter for this call in the script is a valid value.

Error Codes, Customer Support, Accessibility, Glossary

WWW_ABORT_00011

Could not allocate memory when processing the script command.

Description:

Memory could not be allocated on the playback machine for the processing of the indicated script command.

Script Commands:

DO_Http   Navigate_To

DO_Https   Post_To

DO_UseProxy   Click_On

DO_AddHeader   XmlRequest

Causes:

> ! The system is extremely low on resources.

> ! The playback machine is running more VUs than is proper for its specifications.

Actions:

Ensure that the playback machine has enough free resources to run the number of VUs allocated to player on this machine.

External Sources:

None

WWW_ABORT_00016

The maximum retry count specified for the script is invalid.

Description:

The maximum WWW request retry count specified as a parameter (value) for the DO_SetMaximumRetries call or the Set[CONNECTION_RETRIES] call is not in the acceptable range of 1 through 99.

Script Commands:

DO_SetMaximumRetries

Set

Causes:

Script modification resulted in an invalid parameter passed to the call.

Actions:

Ensure that the call contains a valid parameter to set the maximum retries for WWW requests.

External Sources:

None

WWW_ABORT_00019

This platform running the playback script does not support Windows Integrated Authentication.

Description:

The playback machine is running on a non-Windows platform and does not support Windows Integrated Authentication with the server.

Script Commands:

DO_NTLMAuthorization

Set

Causes:

- ! The script is being run on a different platform than the platform where the script was recorded.
- ! The script was modified to include Windows Integrated Authentication and run on non-Windows platform.

Actions:

- ! Ensure that the correct playback machine was selected for the script.
- ! Disable the Windows Integrated Authentication API call if not applicable for script playback.

External Sources:

None

WWW_ABORT_00020

An invalid option was specified to be cleared.

Description:

The parameter specifying the option to be cleared for the Clear or DO_Clear command is not a valid WWW option. The Function Wizard enumerates the valid parameter values for this call.

Script Commands:

DO_Clear

Clear

Causes:

Script modification resulted in an incorrect parameter passed to the DO_Clear/Clear call.

Actions:

Ensure the parameter (nType) passed to the DO_Clear/Clear call is correct.

External Sources:

None

WWW_ABORT_00101

URL, value <url> is invalid.

Description:

The parameter passed to the API call is not a valid URL address. The URL address could not be processed.

Script Commands:

DO_Http   Navigate_To

DO_Https Post_To

Click_On   XmlRequest

Causes:

! Script modification resulted in an invalid value passed to the API call.

Actions:

! Modify the API call parameter (URL) to a valid URL address.

External Sources:

None

WWW_ABORT_00108

Form field, value <field type> is invalid.

Description:

The form type specified for the DO_GetFormValueByName command must be one of the valid form types for the HTML DOM model supported by QALoad.

Script Commands:

DO_GetFormValueByName

Causes:

! Script modification resulted in an invalid parameter value passed to the API command.

! The recorded session captured a form value that is not supported by QALoad playback.

Actions:

! Modify the form type value parameter to a valid form type supported by the QALoad HTML DOM model.

! Use the API command reference to find details about valid parameter values for the API command.

External Sources:

None

WWW_ABORT_00116

Not enough space provided in output buffer. Needed: <space>.

Description:

The size of the destination buffer is not big enough to hold the result from the API command.

Script Commands:

DO_GetHeaderFromReply

Causes:

! Script modification resulted in an invalid parameter value passed to the API command.

!   The server is not sending the same expected data that was received during capture. Most likely the WWW site has changed.

Actions:

!   Record another session to get the WWW site's current behavior.

!   Modify the API command to accommodate for the small buffer by providing a bigger one.

External Sources:

None

WWW_ABORT_00135

Unable to open binary file.

Description:

The filename specified in the error message could not be opened as a binary file during the response from the last page request.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Http

XmlRequest   DO_Https

Causes:

!   The file sent may be corrupted.

!   There is a problem on the WWW server machine.

Actions:

!   Ensure the integrity of the WWW server environment.

!   Ensure the specified file is not corrupt on the server.

!   Ensure the integrity of the network.

External Sources:

None

WWW_ABORT_00143

HTTP request is invalid. <Brief description>

Description:

The Request string specified for the API command is invalid.

Script Commands:

DO_Http   DO_Https

Navigate_To   XmlRequest

Post_To   Click_On

Error Codes, Customer Support, Accessibility, Glossary

- ! Script modification resulted in an invalid parameter value passed to the API command.

- ! Use of variables that are set at runtime, which could contain unexpected data.

Actions:

- ! Ensure that a valid parameter string value is passed to the API command. E.g. Check for the correctness of each component in the parameter string value such as the request method, URL, HTTP version, HTTP header fields.

- ! Ensure that the server is responding with the expected data.

- ! Use the description that is given in the error message at runtime to help you troubleshoot the problem.

External Sources:

None

WWW_ABORT_00170

The SSL version is invalid. Valid versions are: SSLv2, SSLv3, and TLSv1.

Description:

An invalid SSL version was returned by the WWW server. Only versions SSLv2, SSLv3, and TLSv1 are supported by QALoad.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Https

XmlRequest

Causes:

The WWW server uses a version of SSL not supported by QALoad.

Actions:

Contact the WWW server administrator to request a supported SSL version be used.

External Sources:

None

WWW_ABORT_00180

An internal string manipulation error has occurred.

Description:

An internal string manipulation error has occurred, for example, when a substring search passed an invalid parameter. The substring search parameters are provided in the error message.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Http

XmlRequest   DO_Https

Causes:

> ! The WWW server had an error and returned an invalid response.

> ! The network may be overloaded with traffic and a corrupted response was returned.

Actions:

> ! Check the server to see if any errors have occurred on it. Checking the condition of a web server varies from server to server, please refer to your server's documentation.

> ! Check with the network administrator to see if the network has been overloaded during the performance test.

> ! Contact QALoad technical support if no cause can be found.

External Sources:

None

WWW_ABORT_00407

HTTP Proxy Server or Web Server authentication failed.

Description:

The HTTP Proxy Server or Web Server failed to authenticate the credentials supplied in the script.

Script Commands:

DO_Http   Navigate_To

DO_Https   Post_To

Click_On   XmlRequest

Causes:

Script modification resulted in setting an invalid username and password combination, causing one of the following:

> ! The HTTP proxy server failed to authenticate the supplied credentials.

> ! A Web server using Basic authorization failed to authenticate the supplied credentials.

> ! A Web server using Windows Integrated Authentication failed to authenticate the supplied credentials.

Actions:

Ensure that a valid username and password is set either in the DO_ProxyAuthorization, DO_BasicAuthorization, DO_NTLMAuthorization, or Set functions, depending on the cause of the error.

External Sources:

None

WWW_ABORT_01000

Get option <option> is invalid. <Brief description>.

Description:

The API option passed to the Get API command is invalid.

Error Codes, Customer Support, Accessibility, Glossary

Script Commands:

Get

Causes:

- ! Script modification resulted in an invalid option passed to the API command.

Actions:

- ! Ensure that a valid API option is used.
- ! Use the description that is given in the error message at runtime to help you troubleshoot the problem.
- ! Use the API command reference to find details about valid API options for the Get API command.

External Sources:

None

WWW_ABORT_01001

Get option <option>, value <value> is invalid. <Brief description>.

Description:

The parameter value described by the API option is invalid for the Get API command.

Script Commands:

Get

Causes:

- ! Script modification resulted in an invalid parameter value passed to the API command.

Actions:

- ! Ensure that a valid parameter value described by the API option is used.
- ! Use the description that is given in the error message at runtime to help you troubleshoot the problem.
- ! Use the API command reference to find details about valid parameter values for the Get API command.

External Sources:

None

WWW_ABORT_01100

Set option <option> is invalid. <Brief description>.

Description:

The API option passed to the Set API command is invalid.

Script Commands:

Set

Causes:

- ! Script modification resulted in an invalid option passed to the API command.

Actions:

- ! Ensure that a valid option value is used.

- ! Use the description that is given in the error message at runtime to help you troubleshoot the problem.

- ! Use the API command reference to find details about valid API options for the Set API command.

External Sources:

None

WWW_ABORT_01101

Set option <option>, value <value> is invalid. <Brief description>.

Description:

The parameter value described by the API option is invalid for the Set API command.

Script Commands:

Set

Causes:

- ! Script modification resulted in an invalid parameter value passed to the API command.

Actions:

- ! Ensure that a valid option type is used.

- ! Use the description that is given in the error message at runtime to help you troubleshoot the problem.

- ! Use the API command reference to find details about valid parameter values for the Set API command.

External Sources:

None

WWW_ABORT_01200

Specifier <option> is invalid. <Brief description>.

Description:

The API Specifier option is invalid for the API command.

Script Commands:

Get

Causes:

- ! Script modification resulted in an invalid option passed to the API command.

Actions:

- ! Ensure that a valid API option is used.

- ! Use the description that is given in the error message at runtime to help you troubleshoot the problem.

- ! Use the API command reference to find details about valid API options for the API command.

Error Codes, Customer Support, Accessibility, Glossary

WWW_ABORT_01201

Specifier <option>, value <value> is invalid. <Brief description>.

Description:

The parameter value described by the API Specifier option is invalid for the API command.

Script Commands:

Get

Causes:

- ! Script modification resulted in an invalid parameter value passed to the API command.

Actions:

- ! Ensure that a valid parameter value described by the API option is used.
- ! Use the description that is given in the error message at runtime to help you troubleshoot the problem.
- ! Use the API command reference to find details about valid parameter values for the API command.

External Sources:

None

WWW_ABORT_01300

Click option <option> is invalid. <Brief description>.

Description:

The API Click_On option is invalid for the Click_On API command.

Script Commands:

Click_On

Causes:

- ! Script modification resulted in an invalid option passed to the API command.

Actions:

- ! Ensure that a valid API option is used.
- ! Use the description that is given in the error message at runtime to help you troubleshoot the problem.
- ! Use the API command reference to find details about valid API options for the API command.

External Sources:

None

WWW_ABORT_01301

Click option <option>, value <value> is invalid. <Brief description>.

Description:

The parameter value described by the API Click_On option is invalid for the Click_On API command.

Script Commands:

Click_On

Causes:

! Script modification resulted in an invalid parameter value passed to the API command.

Actions:

! Ensure that a valid parameter value described by the API option is used.

! Use the description that is given in the error message at runtime to help you troubleshoot the problem.

! Use the API command reference to find details about valid parameter values for the API command.

External Sources:

None

WWW_ABORT_01400

Link option <option> is invalid. <Brief description>.

Description:

The API Link option is invalid for the API command.

Script Commands:

Click_On

Causes:

! Script modification resulted in an invalid option passed to the API command.

Actions:

! Ensure that a valid API option is used.

! Use the description that is given in the error message at runtime to help you troubleshoot the problem.

! Use the API command reference to find details about valid API options for the API command.

External Sources:

None

WWW_ABORT_01401

Link option <option>, value <value> is invalid. <Brief description>.

Description:

The parameter value described by the API Link option is invalid for the API command.

Script Commands:

Click_On

Error Codes, Customer Support, Accessibility, Glossary

- ! Script modification resulted in an invalid parameter value passed to the API command.

Actions:

- ! Ensure that a valid parameter value described by the API option is used.

- ! Use the description that is given in the error message at runtime to help you troubleshoot the problem.

- ! Use the API command reference to find details about valid parameter values for the API command.

External Sources:

None

WWW_ABORT_01500

Verify option <option> is invalid. <Brief description>.

Description:

The API Verify option is invalid for the API Verify command.

Script Commands:

Verify

Causes:

- ! Script modification resulted in an invalid option passed to the API command.

Actions:

- ! Ensure that a valid API option is used.

- ! Use the description that is given in the error message at runtime to help you troubleshoot the problem.

- ! Use the API command reference to find details about valid API options for the API command.

External Sources:

None

WWW_ABORT_01501

Verify option <option>, value <value> is invalid. <Brief description>.

Description:

The parameter value described by the API Verify option is invalid for the API Verify command.

Script Commands:

Verify

Causes:

- ! Script modification resulted in an invalid parameter value passed to the API command.

Actions:

- ! Ensure that a valid parameter value described by the API option is used.

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! Use the description that is given in the error message at runtime to help you troubleshoot the problem.

! Use the API command reference to find details about valid parameter values for the API command.

External Sources:

None

WWW_ABORT_01700

The reply did not contain a body to parse.

Description:

During WWW playback of the DO_GetCitrixICAFile command, the WWW server response did not contain a valid body.

Script Commands:

DO_GetCitrixICAFile

Causes:

! The WWW server had an error and returned an error page.

! The network may be overloaded with traffic and an incomplete response was returned.

! The requested ICA file has not been properly configured on the web server.

Actions:

! Check the server to see if any error has occurred on it. Checking the condition of a web server varies from server to server; please refer to your server's documentation.

! Check with the network administrator to see if the network has been overloaded during the performance test.

! Check with the web server administrator to see if the Citrix Web Interface page has a valid entry for the requested ICA file.

External Sources:

None

WWW_ABORT_01701

Failed to create temporary ICA file.

Description:

During WWW playback of the DO_GetCitrixICAFile command, the attempt to create a temporary ICA file failed.

Script Commands:

DO_GetCitrixICAFile

Causes:

! The QALoad BinaryFiles directory does not exist.

! There is insufficient disk space to create the file.

! The current user does not have access rights to create files in the BinaryFiles directory.

Error Codes, Customer Support, Accessibility, Glossary

- ! In the QALoad installation directory, create a directory named "BinaryFiles".
- ! Verify that there is sufficient disk space to create files in the BinaryFiles directory.
- ! Verify that the current user can create files in the BinaryFiles directory.

External Sources:

None

WWW_ABORT_01702

The reply is not a supported ICA file format.

Description:

During WWW playback of the DO_GetCitrixICAFile command, the web server response was not in the expected ICA file format. The server response must have the content-type field set to "application/x-ica".

Script Commands:

DO_GetCitrixICAFile

Causes:

- ! The WWW server had an error and returned an error page.
- ! The network may be overloaded with traffic and an incomplete response was returned.
- ! The requested ICA file has not been properly configured on the web server.

Actions:

- ! Check the server to see if any error has occurred on it. Checking the condition of a web server varies from server to server; please refer to your server's documentation.
- ! Check with the network administrator to see if the network has been overloaded during the performance test.
- ! Check with the web server administrator to see if the Citrix Web Interface page has a valid entry for the requested ICA file.

External Sources:

None

WWW_ABORT_01800

HTTP GET encoding option <option> is invalid. <Brief description>.

Description:

The HTTP GET encoding option value specified in the script command is invalid. The HTTP GET command supports these encoding options:

USE_FORM_ENCODING

USE_LINK_ENCODING

Script Commands:

NavigateTo

DO_Http

100

Causes:

Script modification resulted in an invalid encoding option value passed to the script command.

Actions:

- ! Ensure that a valid script command option is used.

- ! Use the description that is given in the error message at runtime to help you troubleshoot the problem.

- ! Use the script command reference to find details about valid parameter values for the script command.

External Sources:

None

WWW_ABORT_01801

HTTP POST encoding option <option> is invalid. <Brief description>.

Description:

The HTTP POST encoding option value specified in the script command is invalid. The HTTP POST command supports these encoding options:

TEXT_PLAIN

MULTIPART_FORM_DATA

WWW_FORM_URLENCODED

MISSING_CONTENT_TYPE

POST_RAW_DATA

Script Commands:

PostTo

DO_Http

Causes:

Script modification resulted in an invalid encoding option value passed to the script command.

Actions:

- ! Ensure that a valid script command option is used.

- ! Use the description that is given in the error message at runtime to help you troubleshoot the problem.

- ! Use the script command reference to find details about valid parameter values for the script command.

External Sources:

None

WWW_ERROR_00009

The page requested to get the redirected URL does not actually redirect to a different URL.

Error Codes, Customer Support, Accessibility, Glossary

Description:

The page that was requested did not redirect to a different URL. The request for the redirected URL is invalid for this request.

Script Commands:

DO_GetRedirectedURL

Causes:

- ! Script modification resulted in an invalid parameter value passed to the API command.
- ! The server is not sending the same expected data that was received during capture. Most likely the WWW site has changed.

Actions:

- ! It is recommended that DO_DynamicRedirectHandling or select Dynamic Redirect Handling in the WWW options.
- ! Modify the script to remove this call from the script for this request.

External Sources:

None

WWW_ERROR_00026

IP Address, value <IP address> is invalid.

Description:

The IP address specified is not a valid IP spoof address. IP spoofing cannot be enabled, as this address is not valid for the playback machine.

Script Commands:

DO_IPSpoofEnable

Causes:

- ! One or more of the IP addresses specified in the IP spoof datapool file are incorrect and do not correspond with the IP addresses of the machine specified for playback.

Actions:

- ! Check to see that the IP addresses specified in the IP spoof datapool file are correct and correspond to the IP addresses for the playback machine.

External Sources:

None

WWW_ERROR_00100

An internal error occurred during processing of the script command.

Description:

An exception was thrown while processing the script command. The error string indicates the nature of the error.

Script Commands:

DO_Http   Navigate_To

DO_Https   Post_To

DO_GetAnchorHREF   XmlRequest

DO_GetAnchorByNumber   Set

DO_GetRedirectedURL   Click_On

DO_ProxyExceptions

Causes:

- ! Script modification resulted in an abnormal condition encountered by the script command.
- ! An unexpected condition resulted while executing the script.

Actions:

- ! The playback machine may not be a suitable environment for the number of VUs specified for the load test.
- ! Script modifications may have introduced a bug to the script.
- ! Contact QALoad technical support if no cause can be found.

External Sources:

None

WWW_ERROR_00103

The specified anchor tag was not found in the HTML document returned by the last page request.

Description:

The anchor tag specified by the name parameter to the DO_GetAnchorHREF call was not among the anchor tags found in the HTML document returned form the last request.

Script Commands:

DO_GetAnchorHREF

Causes:

- ! The WWW site has changed its behavior from the time the session was recorded.
- ! Script modification resulted in an invalid value passed as the anchor tag parameter to the DO_GetAnchorHREF call.

Actions:

- ! Modify the DO_GetAnchorHREF statement to find the correct name of the anchor tag in the HTML document reply.
- ! Record another session to get the WWW site's current behavior.

External Sources:

None

WWW_ERROR_00104

The specified anchor identified as the nth anchor tag was not found in the HTML document returned by the last page request.

Error Codes, Customer Support, Accessibility, Glossary

Description:

The anchor specified as the nth anchor tag parameter to the DO_GetMapHREF call was not found in the HTML document returned from the last request. The page request sent a smaller number of anchor tags than the number specified in the DO_GetAnchorByNumber call.

Script Commands:

DO_GetAnchorByNumber

Causes:

- ! The WWW site has changed its behavior from the time the session was recorded.
- ! Script modification resulted in an invalid value passed as the anchor number parameter to the DO_GetAnchorByNumber call.

Actions:

- ! Modify the DO_GetAnchorByNumber statement to find the correct anchor tag by number in the HTML document reply.
- ! Record another session to get the WWW site's current behavior.

External Sources:

None

WWW_ERROR_00106

The region identified as the nth region was not found in the HTML document returned by the last page request.

Description:

The region specified as the nth region parameter to the DO_GetClientMapHREF call was not found in the HTML document returned from the last request. The page request sent a smaller number of regions than the number specified in the DO_GetClientMapHREF call.

Script Commands:

DO_GetClientMapHREF

Causes:

- ! The WWW site has changed its behavior from the time the session was recorded.
- ! Script modification resulted in an invalid value passed as the map tag parameter to the DO_GetClientMapHREF call.

Actions:

- ! Modify the DO_GetClientMapHREF statement to find the region in the HTML document reply.
- ! Record another session to get the WWW site's current behavior.

External Sources:

None

WWW_ERROR_00107

The specified form identified as the nth form tag was not found in the HTML document returned by the last page request.

Description:

The form specified as the nth form tag parameter to the API call was not found in the HTML document returned from the last request. The page request sent a smaller number of form tags than the number specified in the API call.

Script Commands:

DO_GetFormActionStatement

DO_GetFormValueByName

Causes:

- ! The WWW site has changed its behavior from the time the session was recorded.
- ! Script modification resulted in an invalid value passed as the form number parameter to the API call.

Actions:

- ! Modify the API call to find the correct form tag by number in the HTML document reply.
- ! Record another session to get the WWW site's current behavior.

External Sources:

None

WWW_ERROR_00109

The field name specified was not found in the form specified.

Description:

The field specified as the third (FieldName) parameter was not found in the form specified as the second (FormName) parameter for the DO_GetFormValueByName call.

Script Commands:

DO_GetFormValueByName

Causes:

- ! The WWW site has changed its behavior from the time the session was recorded.
- ! Script modification resulted in an invalid value passed as the field name parameter to the DO_GetFormValueByName call.

Actions:

Modify the field name parameter to a valid field in the form specified for the DO_GetFormValueByName call.

External Sources:

None

WWW_ERROR_00111

The response header returned from the last request did not contain the cookie specified.

Description:

The last reply did not contain the cookie specified by name as the first parameter for the DO_GetCookieFromReplyEx call.

Error Codes, Customer Support, Accessibility, Glossary

DO_GetCookieFromReplyEx

Causes:

- ! The WWW site has changed its behavior from the time the session was recorded.
- ! Script modification resulted in an invalid first parameter for the DO_GetCookieFromReplyEx call for this page request.

Actions:

- ! Remove the script command from the script.
- ! Modify the DO_GetCookieFromReplyEx call specifying the correct cookie name as the first parameter.

External Sources:

None

WWW_ERROR_000112

The WWW server did not return a valid HTTP page to extract the HTTP error number.

Description:

A valid HTTP page was not returned in the response from the last HTTP request. The server HTTP response cannot be extracted from the reply.

Script Commands:

DO_GetLastHttpError

Causes:

The WWW server could not process the last HTTP request properly.

Actions:

- ! Ensure the WWW server is available and able to process requests.
- ! Ensure the last page request is a valid request.

External Sources:

None

WWW_ERROR_00113

Response not found.

Description:

The response from the server was not found because the server has not sent any data that has been stored.

Script Commands:

DO_VerifyDocTitle

Causes:

- ! The WWW server did not send a response that could be stored by QALoad.

Actions:

- ! Ensure the WWW server is available and able to process requests and send a response back.
- ! Ensure the last page request is valid and that the WWW server understands it.

External Sources:

None

WWW_ERROR_00114

No HTTP response was received from the server to extract the header value.

Description:

The server did not send a response for the last page request. There is no HTTP header to retrieve the header value.

Script Commands:

DO_GetHeaderFromReply

Causes:

The WWW server could not process the last HTTP request properly.

Actions:

- ! Ensure that the WWW server is available and able to process requests.
- ! Ensure that the last page request is a valid request.

External Sources:

None

WWW_ERROR_00124

The identifying left (pre-) string delimiter to extract a string value was not found in the HTML document reply.

Description:

The left-side string delimiter passed in as the second parameter to the DO_GetUniqueStringEx call was not found in the HTML document reply.

Script Commands:

DO_GetUniqueStringEx

Causes:

- ! The WWW server sent an unexpected reply.
- ! The left-side delimiter string specified for the DO_GetUniqueStringEx call is not correct.
- ! The WWW site has changed its behavior from the time the session was recorded.

Actions:

- ! Modify the DO_GetUniqueStringEx call to the correct left-side delimiter text identified in the HTML response.
- ! Record another session to get the WWW site's current behavior.

Error Codes, Customer Support, Accessibility, Glossary

WWW_ERROR_00126

The replay machine could not create a socket for communication with the server.

Description:

The socket to initiate communication with the WWW server could not be created on the playback machines.

Script Commands:

Post_To   Click_On

Navigate_To DO_Http

XmlRequest   DO_Https

Causes:

- ! The playback machine may have exhausted all available sockets.
- ! The system is extremely low on resources.
- ! The playback machine is running more VUs than is proper for its specifications.

Actions:

Ensure the playback machine has enough free resources to run the number of VUs allocated to the player on this machine. If this error is occurring on a Windows player, registry settings can be adjusted to both increase the maximum number of sockets and to reduce the time wait delay sockets go through after they have been shutdown.

To increase the maximum number of sockets:

- ! Run regedit.exe.
- ! Create the MaxUserPort key in the registry at HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters.
- ! Set the value of MaxUserPort to be large value, 30,000 or more. NOTE: the maximum value is 65534.

To reduce the time wait delay:

- ! Run regedit.exe.
- ! Create the TcpTimedWaitDelay key in the registry at HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters.
- ! Set the value of TcpTimedWaitDelay to 30.

External Sources:

- ! Microsoft Knowledge Base Article 149532
- ! Microsoft Knowledge Base Article 196271
- ! Microsoft Knowledge Base Article 328476
- ! Microsoft Knowledge Base Article 319502

WWW_ERROR_00127

The playback machine could not bind a socket with the IP address specified.

Description:

The playback machine could not bind a socket to the static IP address specified in a previous DO_IPSpoofEnable or Set command.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Http

XmlRequest   DO_Https

Causes:

The value specified as a spoof IP address is not associated with a network card on the playback machine.

Actions:

Ensure that the playback machine has been set up with the static IP address associated with the value specified in the DO_IPSpoofEnable or Set command.

External Sources:

None

WWW_ERROR_00128

The replay machine was unable to connect to the WWW server.

Description:

The replay machine socket to initiate communication with the WWW server could not set up a connection to send the last page request. No reconnect was attempted due to the nature of the error

Script Commands:

Post_To   Click_On

Navigate_To   DO_Http

XmlRequest   DO_Https

Causes:

!   The WWW server may not be available and receiving socket connections.

!   The system is extremely low on resources.

!   The playback machine is running more VUs than is proper for its specifications.

Actions:

!   Ensure that the playback machine has enough free resources to run the number of VUs allocated to player on this machine.

!   Ensure that the WWW server is available and able to process requests.

External Sources:

None

WWW_ERROR_00130

The attempt to send the page request failed.

Description:

The last attempt to send a page request to the host failed. The error number is specified in the message.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Http

XmlRequest   DO_Https

Causes:

- ! The WWW server may not be available and receiving socket connections.
- ! The system is extremely low on resources.
- ! The playback machine is running more VUs than is proper for its specifications.

Actions:

- ! Ensure the playback machine has enough free resources to run the number of VUs allocated to player on this machine.
- ! Ensure the WWW server is available and able to process requests.

External Sources:

None

WWW_ERROR_00131

The replay machine was unable to connect to the WWW server despite retries.

Description:

The replay machine socket to initiate communication with the WWW server could not set up a connection to send the last page request, after the maximum number of reconnection attempts.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Http

XmlRequest   DO_Https

Causes:

- ! The WWW server is extremely low on resources.
- ! The network may be overloaded with traffic.
- ! The system is extremely low on resources.
- ! The playback machine is running more VUs than is proper for its specifications.

Actions:

- ! Ensure the playback machine has enough free resources to run the number of VUs allocated to player on this machine.
- ! Ensure the WWW server is available and able to process requests.

> ! Increase the number of connection retries using either the EasyScript DO_SetMaximumRetries or Visual Script Set[CONNECTION_RETRIES] script command. Use the Function Wizard for help in scripting.

External Sources:

None

WWW_ERROR_00132

The reply for the last request was not received within the timeout value specified.

Description:

The WWW server did not return a reply message to the last request within the timeout value set for the page request.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Http

XmlRequest   DO_Https

Causes:

> ! The WWW server is extremely low on resources.
>
> ! The network may be overloaded with traffic.
>
> ! The system is extremely low on resources.
>
> ! The playback machine is running more VUs than is proper for its specifications.
>
> ! The timeout value set in the script is too low.

Actions:

> ! Ensure that the playback machine has enough free resources to run the number of VUs allocated to player on this machine.
>
> ! Ensure that the WWW server is available and able to process requests.
>
> ! Increase the timeout value parameter of the appropriate Set[USER_PATIENCE] (Visual Script) or DO_SetTimeout (EZScript) commands. Use the Function Wizard for help in scripting.

External Sources:

None

WWW_ERROR_00133

No data was available for download from the WWW server for the last request.

Description:

For the last request sent, there was no data available for download in the response returned from the WWW server, after one retry.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Http

XmlRequest   DO_Https

Causes:

- ! The WWW server is extremely low on resources.
- ! The network may be overloaded with traffic.
- ! The system is extremely low on resources.
- ! The playback machine is running more VUs than is proper for its specifications.

Actions:

- ! Ensure that the playback machine has enough free resources to run the number of VUs allocated to player on this machine.
- ! Ensure that the WWW server is available and able to process requests.

External Sources:

None

WWW_ERROR_00138

The specified file sent as part of the response for the last request differed in size from the expected size value

Description:

The actual size of the filename specified in the error message is not the expected size of the filename from the WWW server response.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Http

XmlRequest   DO_Https

Causes:

- ! The file sent may be corrupted.
- ! There is a problem on the WWW server machine.

Actions:

- ! Ensure the integrity of the WWW server environment.
- ! Ensure that the specified file is not corrupt on the server.
- ! Ensure the integrity of the network.

External Sources:

None

WWW_ERROR_00140

The document title received in the last request does not match the expected title.

Description:

The document title parsed from the server response does not match the first parameter (szTitle) passed to the DO_VerifyDocTitle call.

Script Commands:

DO_VerifyDocTitle

Causes:

- ! The WWW site has changed its behavior from the time the session was recorded.

- ! The WWW server does not send a consistent document title as part of the response to this request.

- ! Script modification resulted in an invalid value passed as the first parameter (szTitle) to the DO_VerifyDocTitle call.

Actions:

- ! Modify the first parameter (szTitle) of the DO_VerifyDocTitle call to the expected document title name in the HTML document reply.

- ! Remove the DO_VerifyDocTitle call if the server response is not expected to be consistent.

- ! Record another session to get the WWW site's current behavior.

External Sources:

None

WWW_ERROR_00144

The HTTP status response value is invalid.

Description:

During WWW playback, an invalid HTTP status response was received from the WWW server, with a value less than 100 or greater than 599.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Http

XmlRequest   DO_Https

Causes:

- ! The WWW server had an error and returned an error page with invalid status.

- ! The network may be overloaded with traffic and a corrupted response was returned.

Actions:

- ! Check the server to see if any errors have occurred on it. Checking the condition of a web server varies from server to server, please refer to your server's documentation.

- ! Check with the network administrator to see if the network has been overloaded during the performance test.

External Sources:

None

WWW_ERROR_00145

An error has occurred while inflating GZIP-encoded content.

Description:

An internal error has occurred while inflating GZIP-encoded content received from the WWW server.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Http

XmlRequest   DO_Https

Causes:

- ! The WWW server had an error and returned invalid GZIP-encoded content.
- ! The network may be overloaded with traffic and a corrupted response was returned.

Actions:

- ! Check the server to see if any errors have occurred on it. Checking the condition of a web server varies from server to server, please refer to your server's documentation.
- ! Check with the network administrator to see if the network has been overloaded during the performance test.
- ! Contact QALoad technical support if no cause can be found.

External Sources:

None

WWW_ERROR_00146

An internal string manipulation error has occurred.

Description:

An internal string manipulation has occurred, for example, when the calculated index into a string exceeded its length.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Http

XmlRequest   DO_Https

Causes:

- ! The WWW server had an error and returned an invalid response.
- ! The network may be overloaded with traffic and a corrupted response was returned.

Actions:

- ! Check the server to see if any errors have occurred on it. Checking the condition of a web server varies from server to server, please refer to your server's documentation.

- ! Check with the network administrator to see if the network has been overloaded during the performance test.
- ! Contact QALoad technical support if no cause can be found.

External Sources:

None

WWW_ERROR_00147

No data was available in the response from the WWW server for the last request.

Description:

For the last non-idempotent request sent, there was no data available for download in the response returned from the WWW server.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Http

XmlRequest   DO_Https

Causes:

- ! The WWW server is extremely low on resources.
- ! The network may be overloaded with traffic.
- ! The system is extremely low on resources.
- ! The playback machine is running more VUs than is proper for its specifications.

Actions:

- ! Ensure that the playback machine has enough free resources to run the number of VUs allocated to player on this machine.
- ! Ensure that the WWW server is available and able to process requests.

External Sources:

None

WWW_ERROR_00148

The complete reply for the last request was not received within the timeout value specified.

Description:

The WWW server did not return a complete reply message to the last request within the timeout value set for the page request. Incomplete data may have been returned from the host.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Http

XmlRequest   DO_Https

Error Codes, Customer Support, Accessibility, Glossary

- ! The WWW server is extremely low on resources.

- ! The network may be overloaded with traffic.

- ! The system is extremely low on resources.

- ! The playback machine is running more VUs than is proper for its specifications.

- ! The timeout value set in the script is too low.

Actions:

- ! Ensure that the playback machine has enough free resources to run the number of VUs allocated to player on this machine.

- ! Ensure that the WWW server is available and able to process requests.

- ! Increase the response timeout value using either the EasyScript DO_SetTimeout or Visual Script Set[USER_PATIENCE] script command. Use the Function Wizard for help in scripting.

External Sources:

None

WWW_ERROR_00149

All browser connections are in use, no more are available.

Description:

All concurrent browser connections are in use, and no more connections are available. The maximum number of browser connections is set with the DO_SetMaxBrowserThreads or Set[BROWSER_THREADS] command.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Http

XmlRequest   DO_Https

Causes:

- ! The WWW server is extremely low on resources.

- ! The network may be overloaded with traffic.

- ! The maximum browser connections value set in the script is too low.

Actions:

- ! Ensure that the WWW server is available and able to process requests.

- ! Increase the maximum browser connections value using either the EasyScript DO_SetMaxBrowserThreads or Visual Script Set[BROWSER_THREADS] script command. Use the Function Wizard for help in scripting.

External Sources:

None

WWW_ERROR_00150

The request contained an invalid host port number, less than 0 or greater than 65535.

Description:

A request was created which contained an invalid host port number. The host port number must be in the range of 0 to 65535, inclusive.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Http

XmlRequest   DO_Https

Causes:

A script modification was made which resulted in a request with an invalid port number.

Actions:

- ! Correct the script modification.
- ! Contact QALoad technical support if no cause can be found.

External Sources:

None

WWW_ERROR_00151

An attempt to retrieve the local host name failed.

Description:

An internal error has occurred upon an attempt to retrieve the name of the local host computer.

Script Commands:

N/A

Causes:

An internal network or socket error has occurred.

Actions:

Contact QALoad technical support if no cause can be found.

External Sources:

None

WWW_ERROR_00152

The requested URL could not be resolved to a valid host.

Description:

The attempt to resolve the requested URL to a host address failed.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Http

XmlRequest   DO_Https

Causes:

- ! Script modification resulted in a WWW request with an invalid URL address specified.

- ! The requested URL address is no longer valid and cannot be resolved.

Actions:

- ! Ensure that the appropriate URL address was specified in the script.

- ! Ensure that the behavior of the WWW site is as expected by doing another session record.

External Sources:

None

WWW_ERROR_00153

The Proxy Automatic Configuration script returned an error.

Description:

The Proxy Automatic Configuration (PAC) script, retrieved from the URL address specified in the DO_UseProxyAutomaticConfiguration or Set[PROXY_SCRIPT] script command, returned the indicated error in the specified function.

Script Commands:

DO_UseProxyAutomaticConfiguration

Set

Causes:

- ! The PAC script retrieved from the specified proxy configuration server is invalid.

- ! The specified proxy configuration server is incorrect.

Actions:

Contact the administrator of the proxy configuration server and confirm that the proxy automatic configuration script is correct.

External Sources:

None

WWW_ERROR_00160

The frame referenced by the Get call could not be found in the current HTML document.

Description:

The frame referenced by the Get call (with the FRAME option as the first parameter) could not be found based on the parameters (specifier, description, and/or count) set for the Get call.

Script Commands:

Get

Causes:

- ! The WWW site has changed its behavior from the time the session was recorded.

- ! Script modification resulted in an invalid parameter set for the Get call.

Actions:

- ! Ensure that the parameters passed to the Get call are correct.

- ! Record another session to get the WWW site's current behavior.

External Sources:

None

WWW_ERROR_00171

Unable to connect to WWW server using SSL.

Description:

The replay machine was unable to establish a connection to the WWW server using SSL.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Https

XmlRequest

Causes:

- ! The WWW server may not be available and receiving socket connections.

- ! The WWW server may not be accepting SSL connections.

Actions:

- ! Ensure the WWW server is available and accepting SSL connections.

- ! Contact QALoad technical support if no cause can be found

External Sources:

None

WWW_ERROR_00172

Unable to create a new SSL context.

Description:

An internal error occurred when attempting to create a new SSL context for connection to the WWW server using SSL.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Https

XmlRequest

Error Codes, Customer Support, Accessibility, Glossary

- ! The system is extremely low on resources.
- ! The playback machine is running more VUs than is proper for its specifications.

Actions:

- ! Ensure the playback machine has enough free resources to run the number of VUs allocated to player on this machine.
- ! Contact QALoad technical support if no cause can be found

External Sources:

None

WWW_ERROR_00173

Unable to get the SSL cipher list from the WWW server..

Description:

An error occurred when attempting to get the SSL cipher list from the WWW server.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Https

XmlRequest

Causes:

- ! The WWW server may not be available and receiving socket connections.
- ! The WWW server may not be accepting SSL connections.

Actions:

- ! Ensure the WWW server is available and accepting SSL connections.
- ! Contact QALoad technical support if no cause can be found

External Sources:

None

WWW_ERROR_00174

Unable to create a new SSL object.

Description:

An internal error occurred when attempting to create a new SSL object for connection to the WWW server using SSL.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Https

XmlRequest

Causes:

- ! The system is extremely low on resources.

- ! The playback machine is running more VUs than is proper for its specifications.

Actions:

- ! Ensure the playback machine has enough free resources to run the number of VUs allocated to player on this machine.

- ! Contact QALoad technical support if no cause can be found

External Sources:

None

WWW_ERROR_00175

Unable to set SSL cipher list.

Description:

An internal error occurred when attempting to set the SSL cipher list for connection to the WWW server using SSL.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Https

XmlRequest

Causes:

Internal error.

Actions:

Contact QALoad technical support.

External Sources:

None

WWW_ERROR_00176

Unable to use SSL object.

Description:

An internal error occurred when attempting to use an SSL object for connection to the WWW server using SSL.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Https

XmlRequest

Error Codes, Customer Support, Accessibility, Glossary

Causes:

Internal error.

Actions:

Contact QALoad technical support.

External Sources:

None

WWW_ERROR_00190

An internal XML parsing error has occurred.

Description:

An XML parsing error has occurred, causing an internal stack overflow.

Script Commands:

XmlRequest

Causes:

! The WWW server had an error and returned an invalid response.

! The network may be overloaded with traffic and a corrupted response was returned.

Actions:

! Check the server to see if any errors have occurred on it. Checking the condition of a web server varies from server to server, please refer to your server's documentation.

! Check with the network administrator to see if the network has been overloaded during the performance test.

! Contact QALoad technical support if no cause can be found.

External Sources:

None

WWW_ERROR_01202

Specifier <option> not found. <Brief description>.

Description:

The API Specifier option was not found in the parsed and or unparsed response(s) from the server.

Script Commands:

Get

Causes:

! Script modification resulted in an invalid option passed to the API command.

! The server is not sending the same expected data that was received during capture. Most likely the WWW site has changed.

Actions:

- ! Ensure that a valid API option is used.

- ! Ensure that the server is responding with the expected data.

- ! Use the description that is given in the error message at runtime to help you troubleshoot the problem.

- ! Use the API command reference to find details about valid API options for the API command.

External Sources:

None

WWW_ERROR_01203

Specifier <option>, value <value> not found. <Brief description>.

Description:

The parameter value described by the API Specifier option was not found in the parsed and or unparsed response(s) from the server.

Script Commands:

Get

Causes:

- ! Script modification resulted in an invalid parameter value passed to the API command.

- ! The server is not sending the same expected data that was received during capture. Most likely the WWW site has changed.

Actions:

- ! Ensure that a valid parameter value described by the API option is used.

- ! Ensure that the server is responding with the expected data.

- ! Use the description that is given in the error message at runtime to help you troubleshoot the problem.

- ! Use the API command reference to find details about valid parameter values for the API command.

External Sources:

None

WWW_ERROR_01402

Link option <option> not found. <Brief description>.

Description:

The API Link option was not found in the parsed and or unparsed reponse(s) from the server.

Script Commands:

Click_On

Causes:

- ! Script modification resulted in an invalid option passed to the API command.

! The server is not sending the same expected data that was received during capture. Most likely the WWW site has changed.

Actions:

! Ensure that a valid API option is used.

! Ensure that the server is responding with the expected data.

! Use the description that is given in the error message at runtime to help you troubleshoot the problem.

! Use the API command reference to find details about valid API options for the API command.

External Sources:

None

WWW_ERROR_01403

Link option <option>, value <value> not found. <Brief description>.

Description:

The parameter value described by the API Link option was not found in the parsed and or unparsed response(s) from the server.

Script Commands:

Click_On

Causes:

! Script modification resulted in an invalid parameter value passed to the API command.

! The server is not sending the same expected data that was received during capture. Most likely the WWW site has changed.

Actions:

! Ensure that a valid parameter value described by the API option is used.

! Ensure that the server is responding with the expected data.

! Use the description that is given in the error message at runtime to help you troubleshoot the problem.

! Use the API command reference to find details about valid parameter values for the API command.

External Sources:

None

WWW_ERROR_01502

Verify option <option> not found. <Brief description>.

Description:

The API Verify option was not found in the parsed and or unparsed response(s) from the server.

Script Commands:

Verify

Causes:

- ! Script modification resulted in an invalid option passed to the API command.

- ! The server is not sending the same expected data that was received during capture. Most likely the WWW site has changed.

Actions:

- ! Ensure that a valid API option is used.

- ! Ensure that the server is responding with the expected data.

- ! Use the description that is given in the error message at runtime to help you troubleshoot the problem.

- ! Use the API command reference to find details about valid API options for the API command.

External Sources:

None

WWW_ERROR_01503

Verify option <option>, value <value> not found. <Brief description>.

Description:

The parameter value described by the API Verify option was not found in the parsed and or unparsed response(s) from the server.

Script Commands:

Verify

Causes:

- ! Script modification resulted in an invalid parameter value passed to the API command.

- ! The server is not sending the same expected data that was received during capture. Most likely the WWW site has changed.

Actions:

- ! Ensure that a valid parameter value described by the API option is used.

- ! Ensure that the server is responding with the expected data.

- ! Use the description that is given in the error message at runtime to help you troubleshoot the problem.

- ! Use the API command reference to find details about valid parameter values for the API command.

External Sources:

None

WWW_ERROR_01600

Fill in control option <option> not found. <Brief description>.

Description:

The API Fill_In option was not found in the parsed and or unparsed response(s) from the server.

Error Codes, Customer Support, Accessibility, Glossary

Script Commands:

Fill_In

Causes:

- ! Script modification resulted in an invalid option passed to the API command.
- ! The server is not sending the same expected data that was received during capture. Most likely the WWW site has changed.

Actions:

- ! Ensure that a valid API option is used.
- ! Ensure that the server is responding with the expected data.
- ! Use the description that is given in the error message at runtime to help you troubleshoot the problem.
- ! Use the API command reference to find details about valid API options for the API command.

External Sources:

None

WWW_ERROR_01601

Fill in control option <option>, value <value> not found. <Brief description>.

Description:

The parameter value described by the Fill_In option was not found in the parsed and or unparsed response(s) from the server.

Script Commands:

Fill_In

Causes:

- ! Script modification resulted in an invalid parameter value passed to the API command.
- ! The server is not sending the same expected data that was received during capture. Most likely the WWW site has changed.

Actions:

- ! Ensure that a valid parameter value described by the API option is used.
- ! Ensure that the server is responding with the expected data.
- ! Use the description that is given in the error message at runtime to help you troubleshoot the problem.
- ! Use the API command reference to find details about valid parameter values for the API command.

External Sources:

None

WWW_ERROR_03001

One or more Content Checks failed.

Description:

During WWW playback, a required content string was not found or a prohibited content string was detected. It is possible that multiple content check violations have occurred. If multiple content check violations have occurred, then the different violation will be separated by semicolons.

Script Commands:

Post_To   Click_On

Navigate_To DO_Http

XmlRequest   DO_Https

Causes:

- ! The WWW server had an error and returned an error page.
- ! The script is not correctly parameterized.
- ! The network may be overloaded with traffic and an incomplete page was returned.

Actions:

- ! Check the server to see if any error have occurred on it. Checking the condition of a web server varies from server to server, please refer to your server's documentation.
- ! Either the content check or the data sent to the server with in Fill_In, Set CGI_PARAMETER, Set POST_DATA, or Set POST_FILE needs to be properly parameterized correctly.
- ! Check with the network administrator to see if the network has been overloaded during the performance test.

External Sources:

None

WWW_WARNING_00300

An attempt to create a cookie failed.

Description:

An HTTP response header contained an invalid cookie name or value. The cookie has been ignored (skipped).

Script Commands:

Post_To   Click_On

Navigate_To DO_Http

XmlRequest   DO_Https

Causes:

A CGI script error or other WWW server error may have occurred.

Actions:

- ! Check the server to see if any errors have occurred on it. Checking the condition of a web server varies from server to server, please refer to your server's documentation.

- ! Contact QALoad technical support if no cause can be found.

Error Codes, Customer Support, Accessibility, Glossary

External Sources:

None

WWW_WARNING_00301

A sub-request was skipped.

Description:

An error occurred in an attempted sub-request. The sub-request was ignored (skipped), and the script continued. The specific error is described in the warning message text.

Script Commands:

Post_To   Click_On

Navigate_To   DO_Http

XmlRequest   DO_Https

Causes:

An additional sub-request specified in the script may no longer be valid for the WWW server.

Actions:

- ! Remove the additional sub-request from the script.
- ! Contact QALoad technical support if no cause can be found.

External Sources:

None

Customer Support

Compuware Customer Support

At Compuware, we strive to make our products and documentation the best in the industry. Feedback from our customers helps us maintain our quality standards. If you need support services, please obtain the following information before calling Compuware's 24-hour product support hotline:

- ! The release (version), and build number of your QALoad installation. This information is displayed when you select the About command from any QALoad component's Help menu.

- ! Installation information, including installed components, whether it is installed in the default directories, and so on.

- ! Environment information, such as the operating system and release on which the product is installed, memory, hardware/network specifications, and the names and releases of other applications that were running.

- ! The location of the problem in the QALoad software, and the actions taken before the problem occurred.

- ! The exact QALoad error message, if any.

- ! The exact application, licensing, or operating system error messages, if any.

- ! Your Compuware client, office, or site number, if available.

Contact Information

Compuware Corporation
One Campus Martius
Detroit, MI 48226-5099

(800) 538-7822

World Wide Web Information

To access Compuware Corporation's site on the World Wide Web, point your browser at http://www.compuware.com. The Compuware site provides a variety of product and support information.

FrontLine Support Web Site

You can access online technical support for Compuware products using our FrontLine support Web site. FrontLine provides fast access to critical information about your QACenter product. You can read or download documentation, frequently asked questions, and product fixes, or email your questions or comments. To access FrontLine, you must first register and obtain a password. To register, point your browser at http://frontline.compuware.com.

ZipFile Wizard

You can use the ZipFile Wizard to transmit smaller files to QALoad Technical Support. This simplifies the task of collecting the files needed to assist you in resolving your problem.

Overview of the ZipFile Wizard

The ZipFile Wizard simplifies the task of collecting the files needed by the Technical Support team to analyze and resolve a problem that you might be having with QALoad. It facilitates navigation through QALoad's installation so you can easily select the required files without actually knowing where they reside. Once selected, the files are collected and compressed into a ZIP file that optionally can be transmitted to the QALoad Technical Support team.

Accessibility

Accessibility Features

Compuware is committed to compliance with Section 508 standards for accessibility in software products. Section 508 standards were enacted by Congress in 1998 as an amendment to the Rehabilitation Act. The standards require federal agencies to increase the accessibility of their electronic information to people with disabilities. Software that is fully compliant with Section 508 standards provides information access to people with disabilities that is comparable to the information access available to people without disabilities. Software that is compliant with exceptions, such as QALoad, provides support for most, but not all, criteria of compliance.

This topic describes the level of accessibility currently available in QALoad, including the product documentation.

Accessibility of QALoad Components

All components of QALoad — Script Development Workbench, Conductor, Player, and Analyze — support the basic criteria of accessibility for software applications. For most categories of compliance, there are exceptions in which assistive technologies do not work in all situations or the alternate methods of information retrieval or product function are not always available. However, the following basic accessibility features are available in QALoad:

- Product functions are executable from the keyboard
- The application does not disrupt or disable activated features of other products that are identified as accessibility features
- The product provides an on-screen indication of the current focus and the focus can be tracked by assistive technologies
- The identity, operation, and state of elements of the user interface are available to assistive technologies
- Textual information is provided through the operating system functions for displaying text
- The application does not override user-selected contrast and color selections
- Color-coding is not used as the only means of conveying information
- Electronic forms allow people using assistive technology to access the information, field elements, and functionality required for completion and submission of the form

Accessibility of QALoad Documentation

Generally, the QALoad documentation is accessible and can be read by screen readers. Alternate formats of the documentation are not currently available.

Online Help

QALoad's online help system is HTML-based and can be read by screen readers. All graphics in the online help have text descriptions. Topics in the online help can be printed.

Release Notes

The QALoad Release Notes is an HTML document that can be read by screen readers and printed.

Error Codes, Customer Support, Accessibility, Glossary

Installation Guide

The QALoad Installation and Configuration Guide is an accessible PDF-based book that provides text descriptions for images in addition to the ability to be read by some screen readers and the Read Aloud feature of Adobe Acrobat. To take advantage of the accessibility features in the Installation Guide, you must have Adobe Acrobat Reader 6.0 or later. This book can be printed.

Assistive Technology Tools that Enhance the Accessibility of QALoad

There are many third-party assistive technology tools that you can use to access the QALoad user interface and product documentation by alternate means. These products perform a variety of functions, such as enlarging the user interface and reading text on the interface or in the documentation. Many features are available in Windows, such as:

- ! Windows Narrator
- ! Windows accessibility wizard (includes features such as SoundSentry, ShowSounds, StickyKeys, and MouseKeys)
- ! Windows On-Screen Keyboard
- ! Microsoft Magnifier

Refer to the Windows documentation to learn more about using these features. Most other tools fall into one of the following two categories:

- ! Screen readers: Software programs that present graphics and text as speech. A screen reader is used to verbalize, or "speak," everything on the screen including names and descriptions of control buttons, menus, text, and punctuation. (Example: JAWS for Windows by Freedom Scientific, Inc.)
- ! Screen enlargers (or screen magnifiers): Software that works like a magnifying glass on other applications. They enlarge a portion of the screen as the user moves the focus — increasing legibility for some users. Some screen enlargers allow you to zoom in and out on a particular area of the screen. (Example: ZoomText Magnifier by AI Squared)

Product Shortcut Keys

The following tables list the defined shortcut keys for each component of QALoad. You can use these key combinations to open dialog boxes, start or stop processes, or interact in other ways with QALoad without using a mouse.

Script Development Workbench

Shortcut Key Combination	Action
CTRL+N	Open the New dialog box, from which you can create new scripts or datapools.
CTRL+O	Open the Open dialog box, from which you can open various product files.
CTRL+S	Save the active document.
CTRL+P	Print the active document
CTRL+Z	Undo the last action.
CTRL+Y	Redo the last action.

CTRL+X	Cut.
CTRL+C	Copy.
CTRL+V	Paste.
CTRL+F	Find.
CTRL+H	Replace.
CTRL+G	Open the Go to Line dialog box, from which you can go to a specific line number in the active script.
CTRL+F2	Toggle bookmark on/off.
F2	Move to next bookmark.
SHIFT+F2	Move to previous bookmark.
CTRL+SHIFT+F2	Clear all bookmarks.
CTRL+ALT+C	Start a recording.
CTRL+ALT+T	Stop a recording.
CTRL+ALT+R	Restart a recording.
CTRL+ALT+U	Resume a recording.
F7	Compile the active script.
CTRL+F5	Validate the active script.
CTRL+T	Open the FTP Transfer dialog box, from which you can send a file via FTP.
F1	Open the QALoad online help.
ALT+F4	Close the Script Development Workbench.

Conductor

Shortcut Key Combination	Description
F1	Open the QALoad online help.
CTRL+X	Cut.
CTRL+C	Copy.
CTRL+P	Paste.
ALT+F4	Close the Conductor.

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Analyze

Shortcut Key Combination	Description
CTRL+O	Open a timing file.
CTRL+P	Print the active document.
CTRL+C	Copy Summary and Data selections.
CTRL+A	Select all items.
CTRL+U	Unselect all items.
F1	Open QALoad online help.
ALT+F6	Move to the next tab in the Data window.
ALT+F4	Close Analyze.

Player

Shortcut Key Combination	Description
CTRL+N	Clear any current messages from the Player's main window.
CTRL+S	Save a text file of the messages reported by a QALoad Player during a test.
CTRL+P	Print Player output.
CTRL+Z	Undo the last action.
CTRL+X	Cut.
CTRL+C	Copy.
CTRL+V	Paste.
F1	Open QALoad online help.
ALT+F4	Close the Player.

To request a Voluntary Product Accessibility Template (VPAT) or for more information regarding accessibility of QALoad or any other Compuware product, see http://www.compuware.com/accessibility/

Glossary

QALoad Glossary

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