Appliance Installation Guide

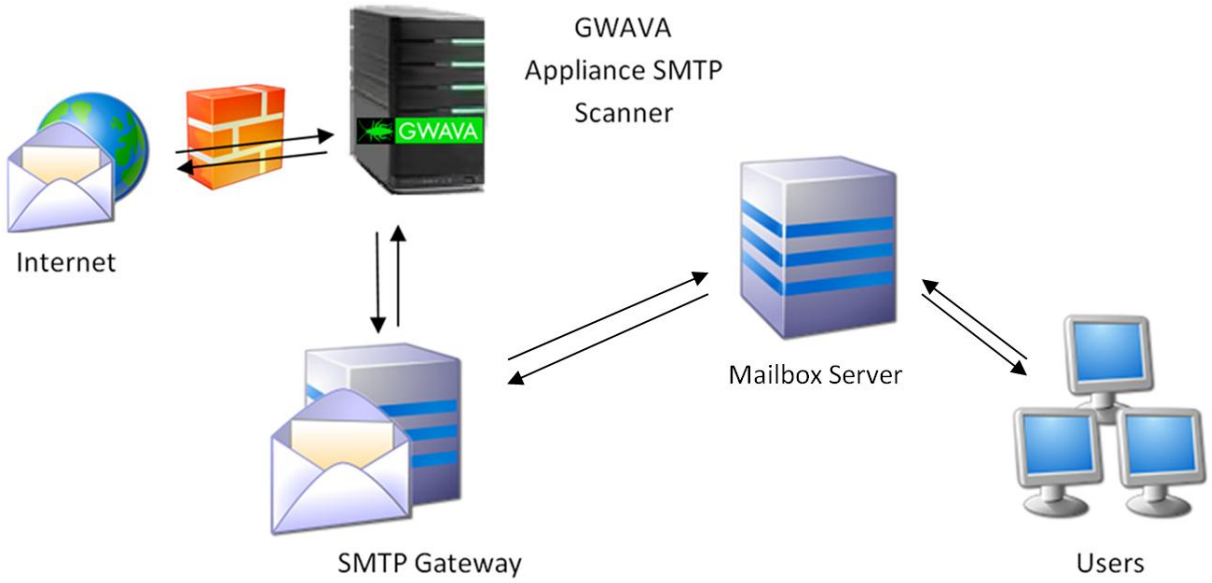
GWAVA 6.5

Contents

Overview

The GWAVA Appliance is a complete software package for implementing the GWAVA system and is designed to replace an existing GWAVA server with a standalone GWAVA system running an SMTP scanner for any mail system. The GWAVA Appliance is ideal for a virtual machine environment.

The GWAVA Appliance is designed to run the SMTP scanner for any email system in the market. The SMTP scanner, and GWAVA Appliance, are completely independent of, and can be implemented in any system. The SMTP scanner acts as a proxy for the SMTP Gateway of your mail system.



The SMTP scanner and GWAVA appliance are meant to be placed in front of the current Gateway for the mail system. Incoming email sent to your domain will first go to the GWAVA appliance, which scans then sends clean email to the Gateway. Mail sent from your domain will pass through the normal system, but the SMTP Gateway will send the mail to the GWAVA appliance, which sends the email to the internet.

If the GWAVA appliance is set behind a firewall, or multiple firewalls, the following ports should be open for mail flow and GWAVA functions or services:

Inbound and general traffic

- 53 – UDP (DNS lookups)
- 25 – TCP Inbound (Used for Mail)

The following are optional but should be open to allow access the GWAVA appliance from outside the network:

- 49285 – TCP Inbound (QMS message release service)
- 49282 – TCP Inbound (GWAVA Management Console)
- 22 – TCP (SSH access. This can be a security concern, but may be necessary to enable for support access.)

Outbound traffic

- 80 – TCP Outbound (Updates services for Antivirus, Signature Engine, and GWAVA system.)
- 21 – FTP Outbound (OS updates)
- 25 – TCP Outbound (Only if scanning outbound mail)
- 123 – TCP Outbound (Network Time Protocol (NTP))

Minimum System Requirements

For a system which processes ~2,000 messages per hour:

- 2.4 GHz Pentium 4 or equivalent processor
- 1 GB RAM
- 36 GB Hard Drive (entire drive will be formatted automatically).
- 1 Network connection

For a system which processes ~4,000 Messages per hour:

- 3.2 GHz Pentium 4 or equivalent processor
- 1.5 GB RAM
- 40 GB Hard Drive (entire drive will be formatted automatically).
- 1 Network connection

For a system which processes ~8,000 messages per hour:

- 3.6 GHz Pentium 4 or equivalent processor
- 2 GB RAM
- 60 GB Hard Drive (entire drive will be formatted automatically).
- 1 Network connection

Download

http://www.gwava.com/solutions/trial-downloads.html

Installation

To install the GWAVA appliance, download the ISO and burn the image to a blank CD using your preferred CD burning program.

Insert the GWAVA Appliance CD into the CD or DVD drive of the target system and boot from the Appliance CD.

On boot, you will be presented with the following menu.

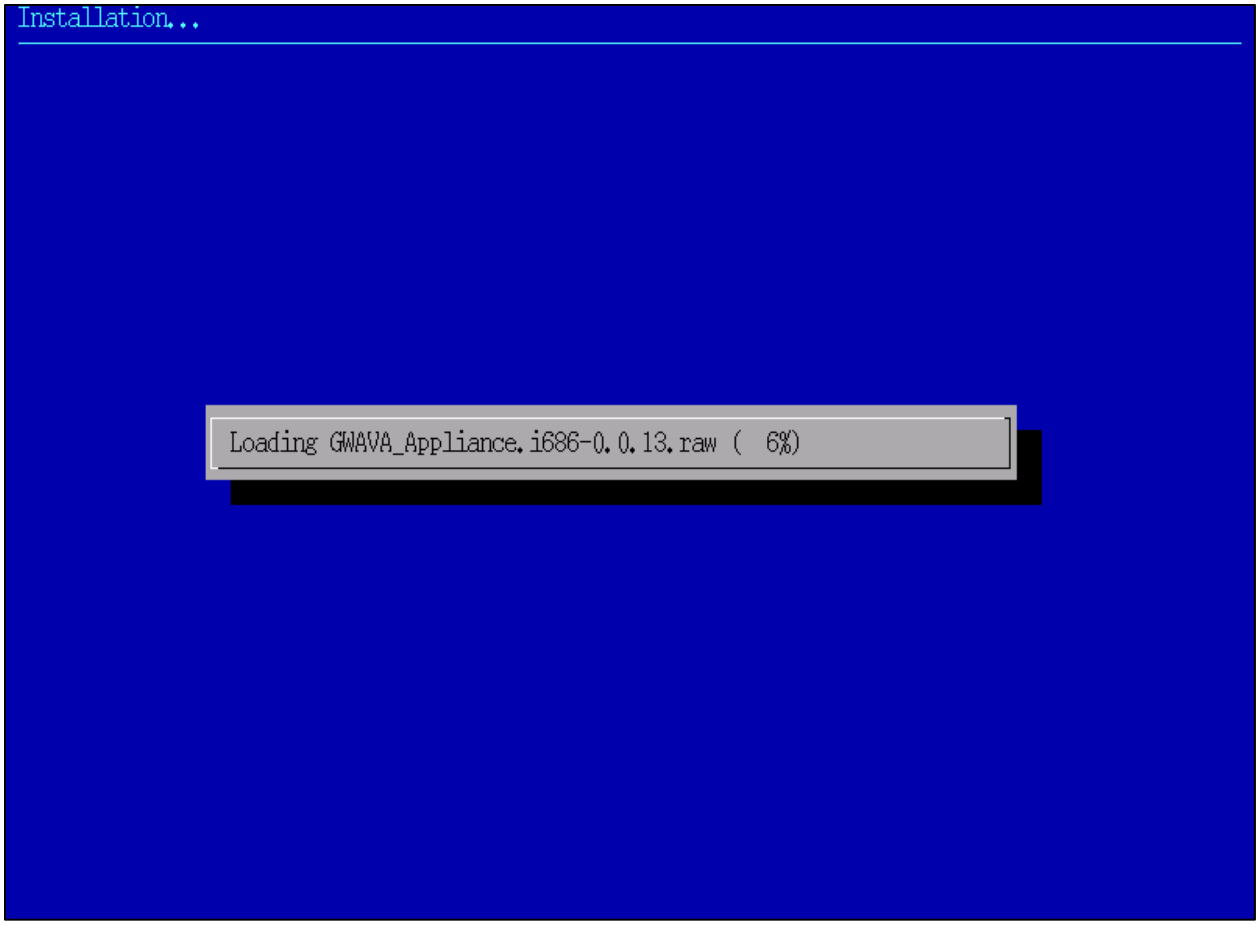
To install the Appliance, choose the install option.

Allow the system to completely boot from the Appliance CD, and the installation will automatically start.

You will be warned that running the installation will delete all data currently on the system. **This is the last chance you have to avoid formatting the drive in this system.**

If you have several hard disks in the system, GWAVA will ask which disk is the install destination.

As soon as you select 'Yes', the installation will begin.



The setup does not require any user input until after the system is initialized.

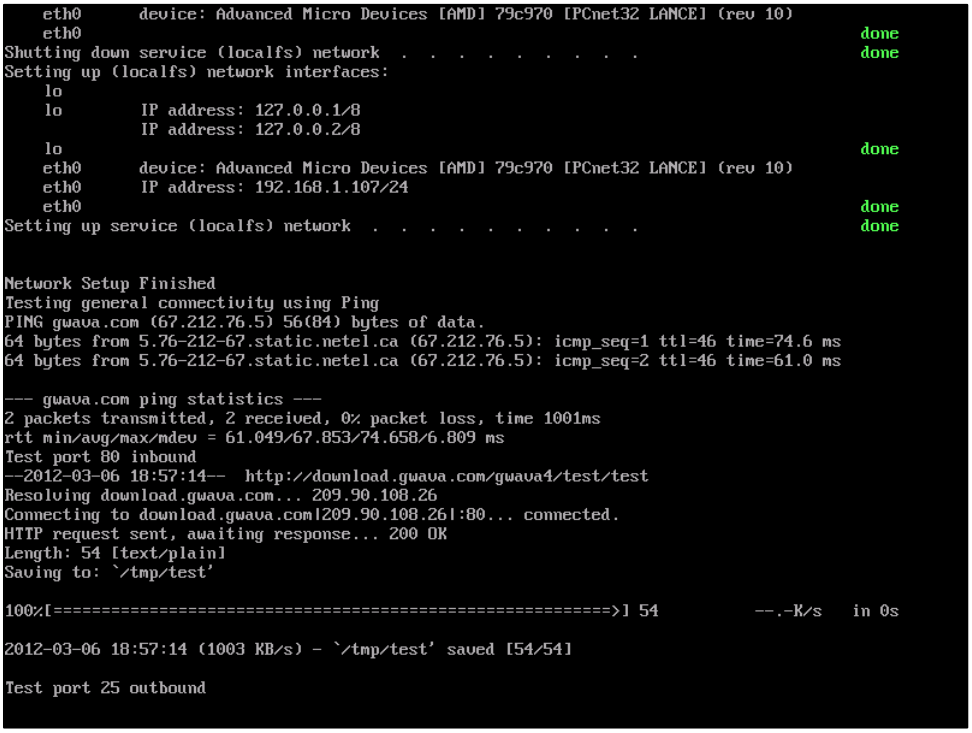
Once the installation has completed, you will be asked to provide connection and security information for your new system.

To complete the setup, all pertinent network information must be provided for your system. The defaults detected in parentheses will be set if you simply hit ‘enter’. To change the setting, enter the appropriate value.

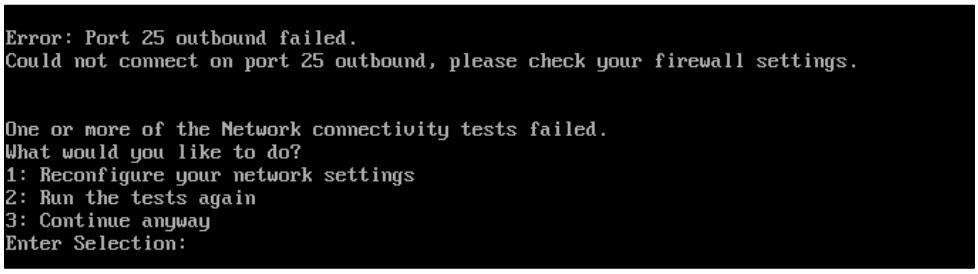
Ensure that you have the ip address configured correctly, this is the only interface to set or change the network settings.

After the settings have been entered, you are asked to verify that the following information is correct. Review the information and hit ‘y’ or ‘n’ and ‘enter’ to either re-enter the information or to continue.

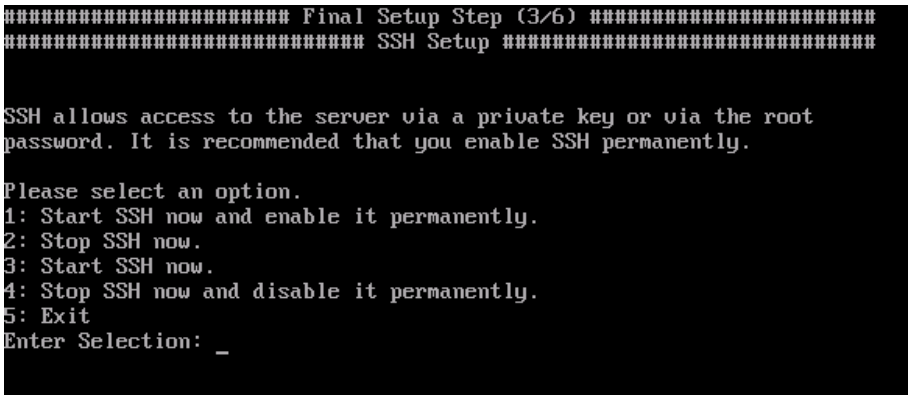
After you have set the network settings, they will be tested for connectivity.



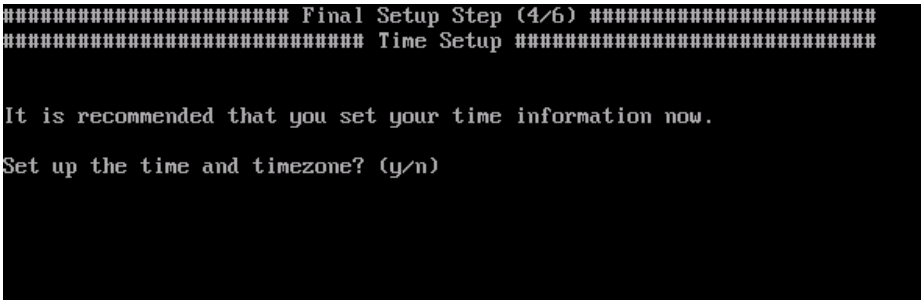
If there are problems, a chance to resolve the problem or move on will be offered.



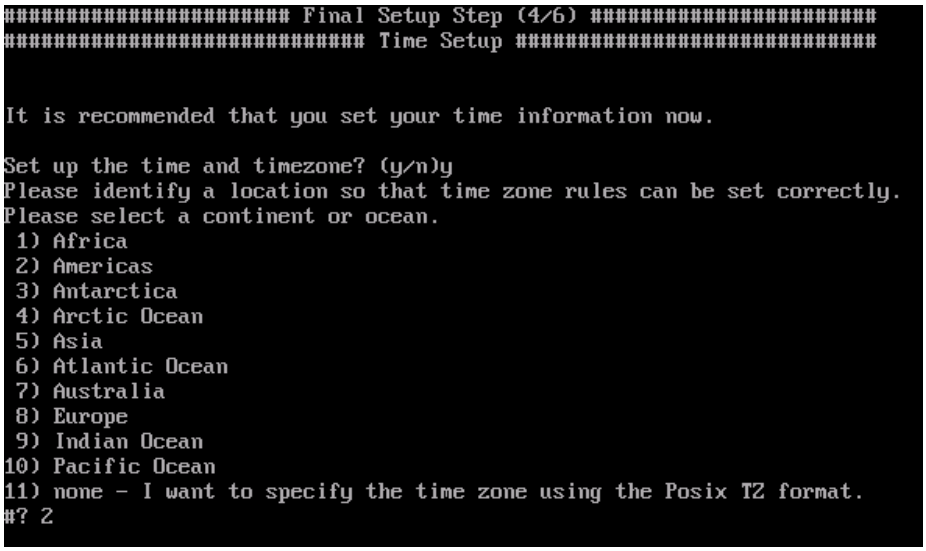
SSH allows remote console administration on port 22. This can be turned on and off later through the GWAVA appliance control web interface. When you permanently enable or disable the service, it is removed from the runlevel and will be enabled or disabled on system startup until the setting is changed.



Next, is the time setup for the server. It is strongly recommended to setup the time on your system.



Pick your location. The wizard will narrow the terms to display a manageable list of time zones for you to select from.



Select your resident country.

```
Please select a country.
 1) Anguilla                        28) Haiti
 2) Antigua & Barbuda               29) Honduras
 3) Argentina                       30) Jamaica
 4) Aruba                           31) Martinique
 5) Bahamas                         32) Mexico
 6) Barbados                        33) Montserrat
 7) Belize                          34) Nicaragua
 8) Bolivia                         35) Panama
 9) Bonaire Sint Eustatius & Saba   36) Paraguay
10) Brazil                          37) Peru
11) Canada                          38) Puerto Rico
12) Cayman Islands                  39) Sint Maarten
13) Chile                           40) St Barthelemy
14) Colombia                        41) St Kitts & Nevis
15) Costa Rica                      42) St Lucia
16) Cuba                            43) St Martin (French part)
17) Curacao                         44) St Pierre & Miquelon
18) Dominica                        45) St Vincent
19) Dominican Republic              46) Suriname
20) Ecuador                         47) Trinidad & Tobago
21) El Salvador                     48) Turks & Caicos Is
22) French Guiana                   49) United States
23) Greenland                       50) Uruguay
24) Grenada                         51) Venezuela
25) Guadeloupe                      52) Virgin Islands (UK)
26) Guatemala                       53) Virgin Islands (US)
27) Guyana
```

Select the appropriate time zone and confirm the selection or decline it to return to the beginning of the time zone wizard.

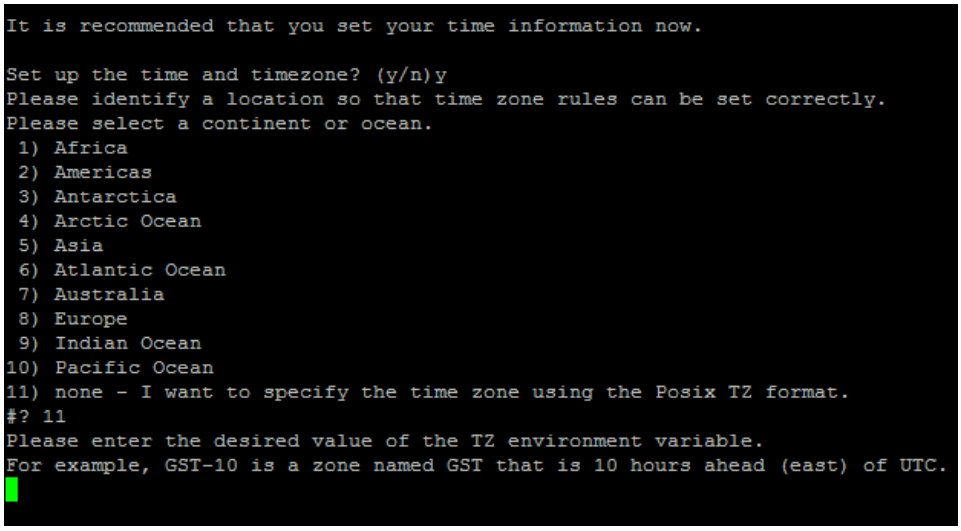
```
 8) Eastern Time - Indiana - Crawford County
 9) Eastern Time - Indiana - Pike County
10) Eastern Time - Indiana - Switzerland County
11) Central Time
12) Central Time - Indiana - Perry County
13) Central Time - Indiana - Starke County
14) Central Time - Michigan - Dickinson, Gogebic, Iron & Menominee Counties
15) Central Time - North Dakota - Oliver County
16) Central Time - North Dakota - Morton County (except Mandan area)
17) Central Time - North Dakota - Mercer County
18) Mountain Time
19) Mountain Time - south Idaho & east Oregon
20) Mountain Time - Navajo
21) Mountain Standard Time - Arizona
22) Pacific Time
23) Alaska Time
24) Alaska Time - Alaska panhandle
25) Alaska Time - southeast Alaska panhandle
26) Alaska Time - Alaska panhandle neck
27) Alaska Time - west Alaska
28) Aleutian Islands
29) Metlakatla Time - Annette Island
30) Hawaii
#? 18

The following information has been given:

       United States
       Mountain Time

Therefore TZ='America/Denver' will be used.
Local time is now:      Tue Mar  6 11:59:05 MST 2012.
Universal Time is now:  Tue Mar  6 18:59:05 UTC 2012.
Is the above information OK?
1) Yes
2) No
#?
```

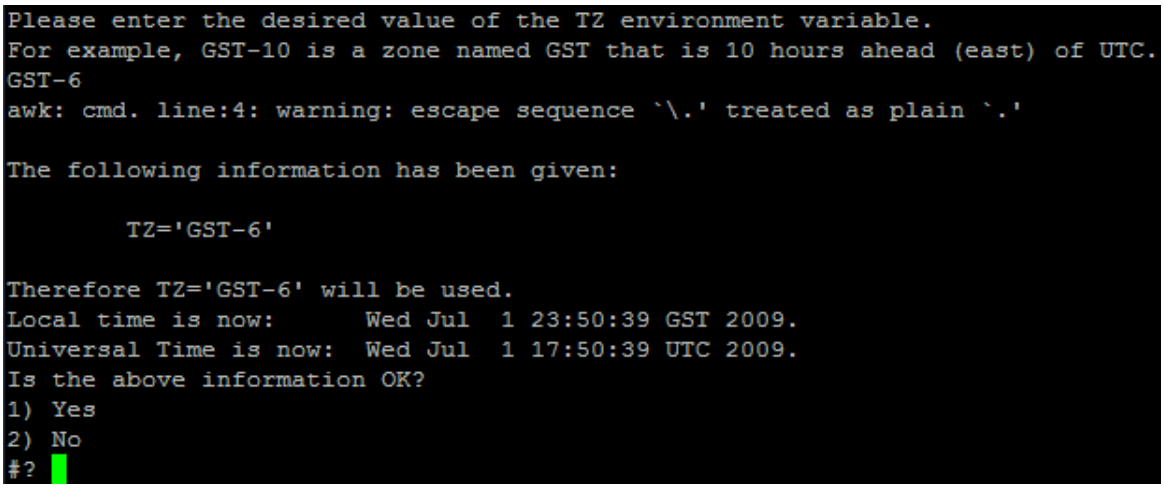
If you opt to specify a custom time zone, or do not find your time zone listed, you may choose the custom option: ‘none’.



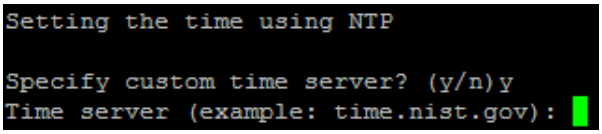
The time zone must be specified in Time Zone environment Variable. Syntax: <time zone name> <hours ahead of UTC> The time zone name does not matter, but the hour variable sets the time for the system.

for example:
MST-6

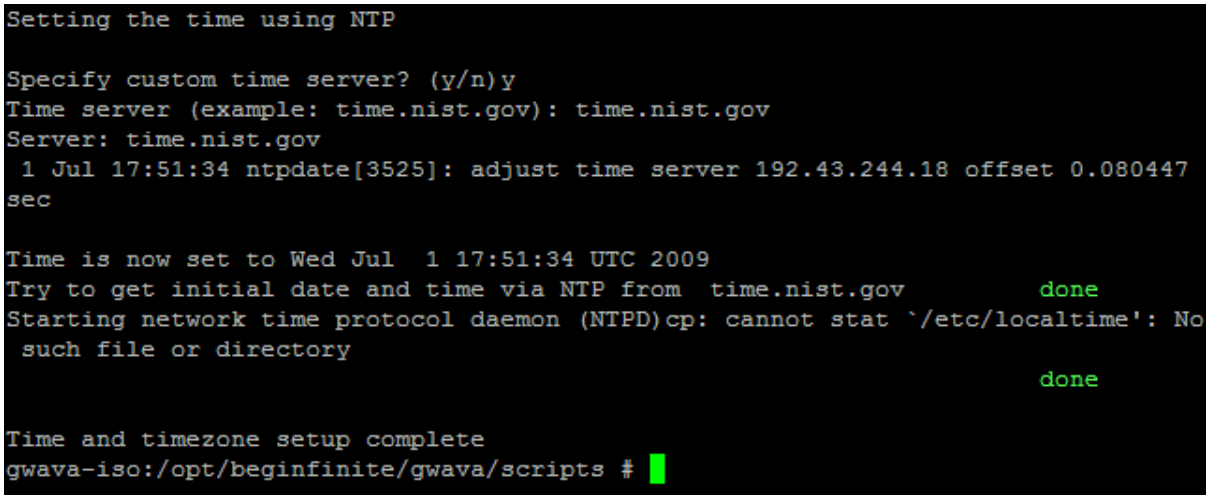
…would be accurate for the Mountain Standard Time zone, U.S. and Canada. The time zone may be any name you like, as long as it conforms to Posix Time Zone format.



After your custom time zone has been created, the information must be verified.



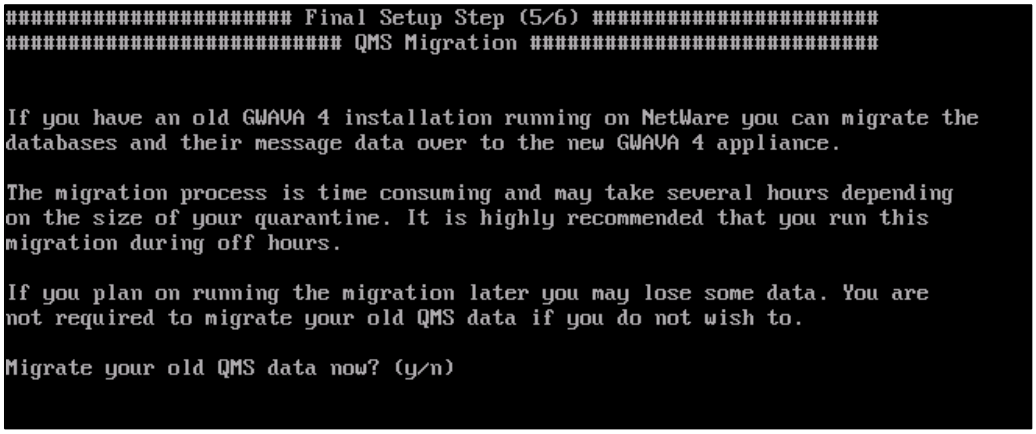
A custom Network Time server may also be specified. If a custom time server is used, provide the DNS name or IP address of the NTP server. Default, (time.nist.gov), is shown.



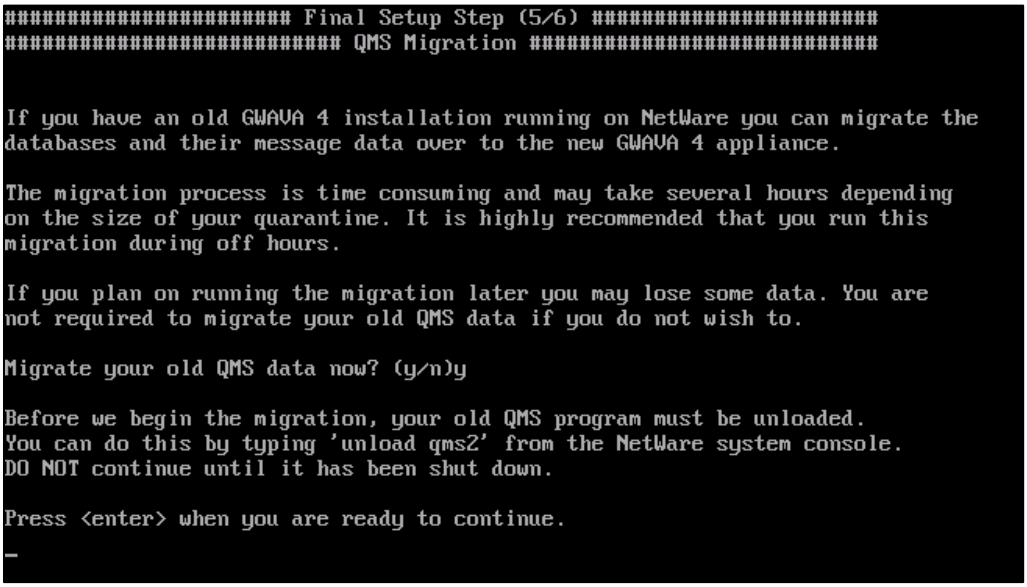
After the time server is specified, the system attempts to connect and sync the time.

Confirm the time settings for your system to continue.

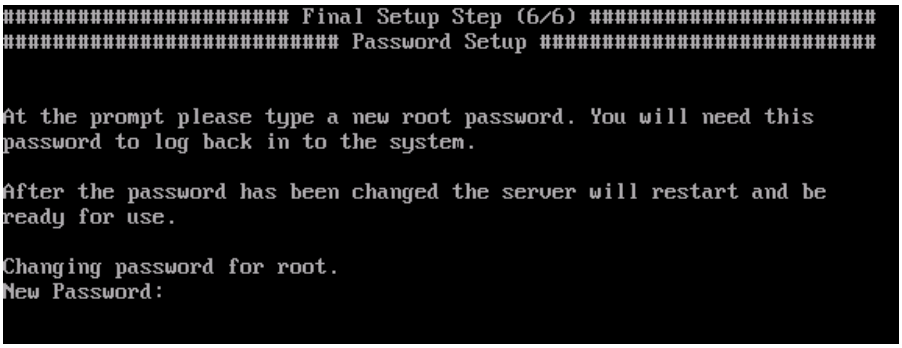
If you want to migrate an existing NetWare GWAVA Quarantine to the GWAVA Appliance, select ‘yes’ here. The wizard uses ncpmount to pull the information over the network connection from the existing qms to the Appliance.



You will be required to shut down the QMS system on the NetWare machine to complete the operation. This process can take several hours and should only be performed after-hours. If you wish to migrate QMS, this is the time to do so. Though you may invoke the command later, you will have data loss unless the migration is completed during setup.



For the final step, you are asked to set the root password for the system. This is the administrator password which will be required to log in to the system via ssh or through the console. DO NOT LOSE THIS PASSWORD.



The Appliance is designed to provide all the necessary functions for GWAVA inside the GWAVA web administration, thereby removing all need for console level administration. While normal operation of the GWAVA Appliance removes all need for console level administration, the root password may be required for support.

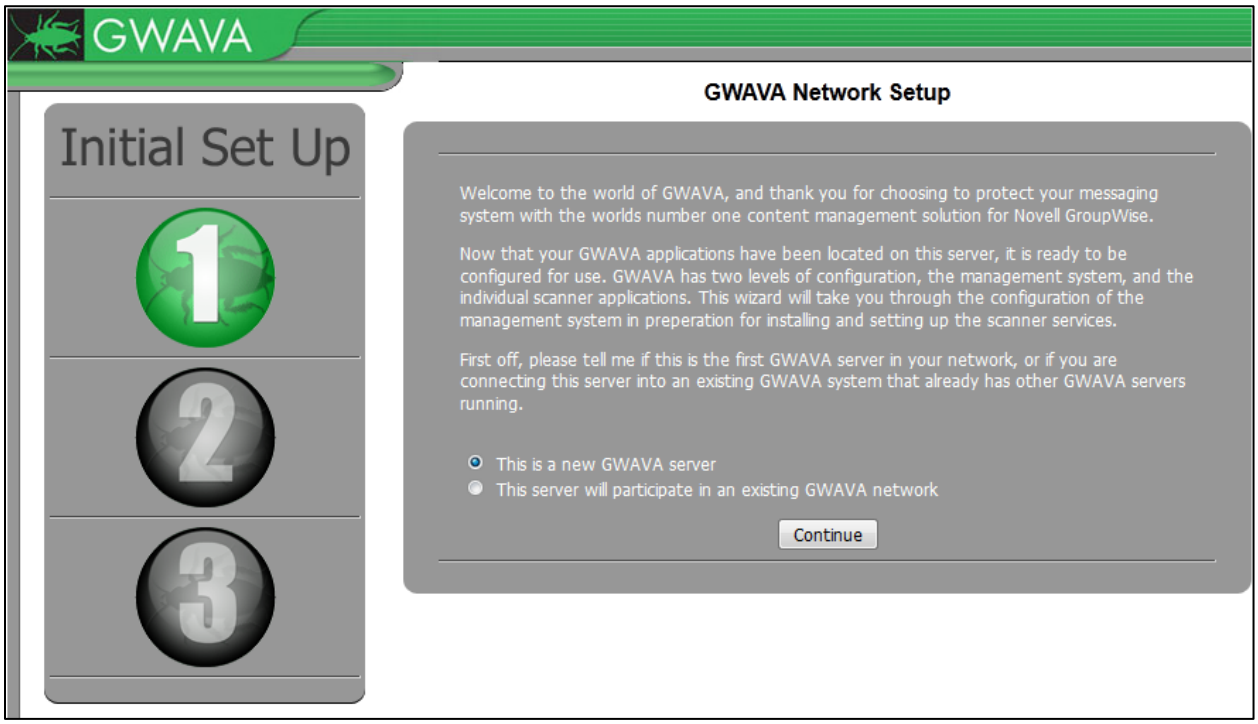
GWAVA appliance setup is now complete. All that remains is activating the GWAVA server and creating a scanner of your choice. (If this server was installed to a virtual machine, install all tools and aids.)

Server Activation

To activate your server, open a browser and enter the ip address or DNS name of the Appliance, with port 49282.

http://<your_server_ip>:49282

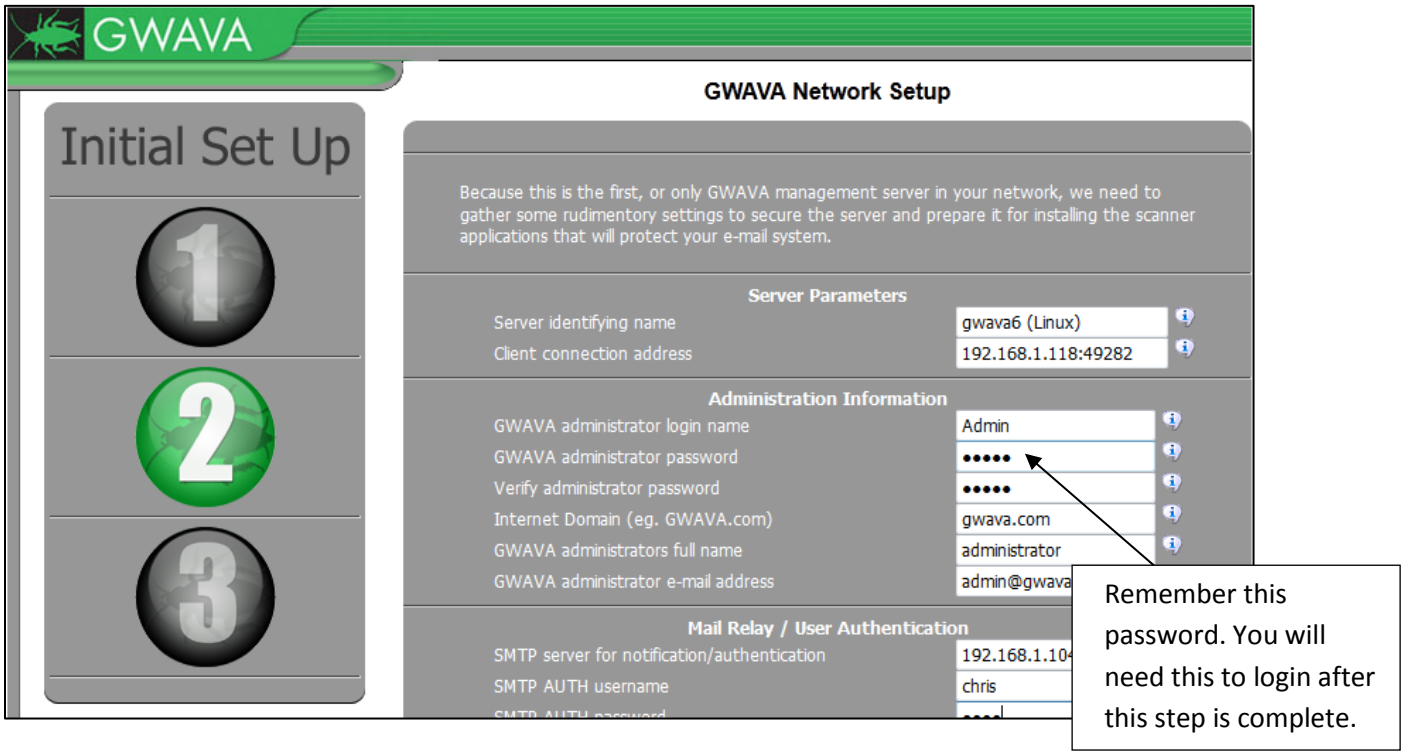
This is the connection address for the GWAVA management console. When you first connect to the system, you should be taken to the setup page, shown below.



The GWAVA Appliance is designed to replace existing GWAVA servers, and as such it is recommended to setup the Appliance as a new GWAVA server.

Select '**Continue**'.

The following information is required.



The server name should match the host name you set for the server. The connection address is the address that GWAVA will use to serve the management console. Both the Server parameters should be left as default.

The Administrator login name and password are required to connect to, and administer the GWAVA management console. DO NOT LOSE THIS PASSWORD.

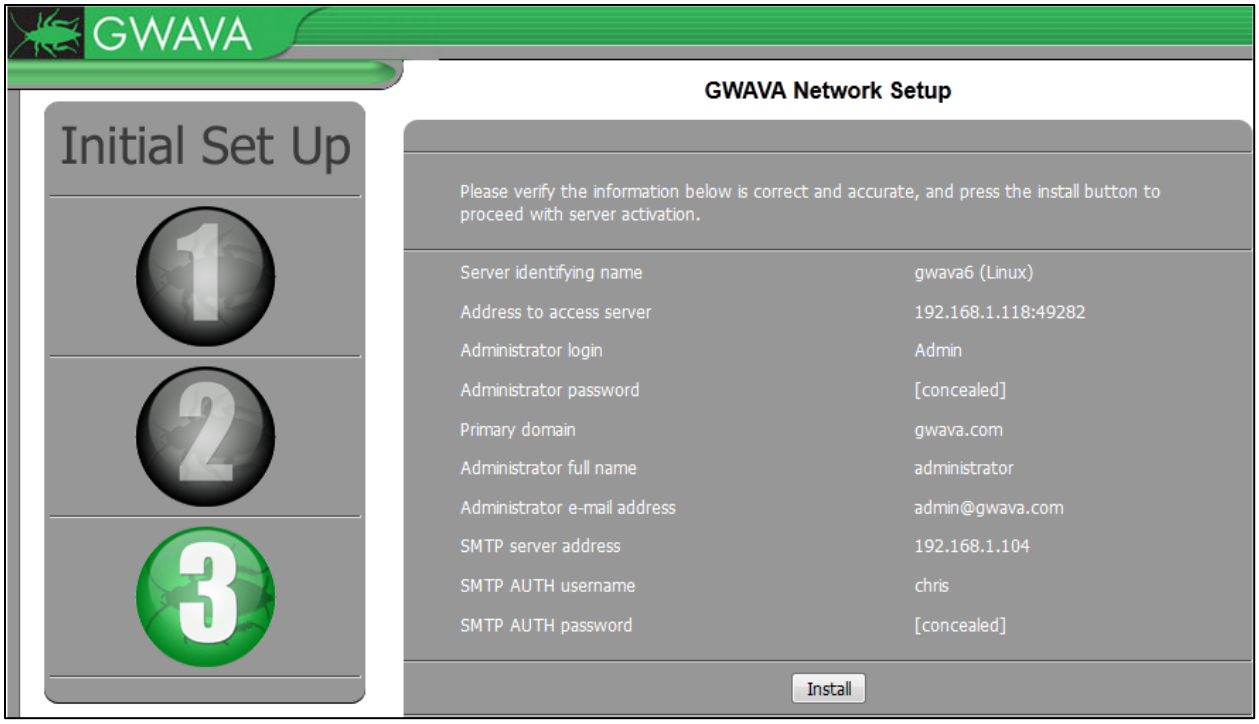
The Internet domain is the domain that the GWAVA server will filter mail for. This should be your company domain. (ie. GWAVA.com)

The administrator name and email address is the name and address which will appear on GWAVA notifications and digests. Any responses to these messages will be sent to the Administrator's e-mail address.

The SMTP server address should be the address of your SMTP gateway. If you are using an SMTP scanner, this will be the address which GWAVA will forward the incoming mail to. GWAVA also uses this address for QMS authentication and access.

The SMTP authorization name and password are not required for notifications, but are recommended. For GroupWise systems, this can be any username and password, and does not have to be an administrator. (ie. Username: bob Password: c751h)

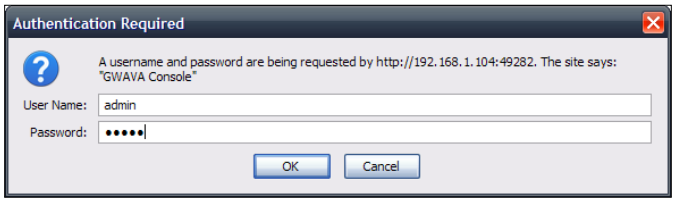
After you have provided the information, select '**Continue**'.



You will be asked for confirmation. Clicking '**Install**' will activate the GWAVA server, and you will be required to login using the admin name and password you provided earlier. Click '**back**' on your browser if you need to make any changes.

When you click '**Install**', wait for the activation process to complete. You should be redirected to the management login screen after the install completes.

Click on '**Enter Management Console'** and provide the administrator username and password to login.



Please see the main guide for scanner creation and system configuration.