OrbixTalk 3.3

Release Notes

September 2000

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Introduction

These release notes provide details of changes made in OrbixTalk 3.3.

Functionality Enhancements

OrbixTalk 3.3 adds the following functionality enhancements to OrbixTalk 3.0:

Interoperable with Orbix 2000 via the Gateway

The Gateway has been enhanced so that it can be used for interoperability with Orbix 2000 consumers and suppliers.

Development Environments

This section describes the compiler and operating system versions with which OrbixTalk 3.3 has been built and tested. Please note that static libraries are provided for each environment, but only dynamic libraries have been tested, and therefore supported.

This OrbixTalk release is provided on three platforms:

Product Code	Platform
s1597	OrbixTalk C++ Solaris 2.7
s1514	OrbixTalk C++ NT 4.0
s1517	OrbixTalk C++ HP-UX 11.00 (ANSI)

Solaris

OrbixTalk 3.3 is built and tested on Solaris 2.7 using the SPARC C++ compiler version 5.1.

The installation requires approximately 42 MB.

NT

OrbixTalk 3.3 is built and tested on NT 4.0 service pack 6a using Microsoft Visual C++ compiler version 6.0 service pack 3.

OrbixTalk 3.3 has not been tested on Windows 95/98.

The installation requires approximately 30 MB.

HP/UX

OrbixTalk 3.3 is built and tested on HP 11.0 using HP ANSI C++ (aCC) compiler version A.03.13.

The installation requires approximately 70 MB.

Compatibility with Other IONA Products

OrbixTalk 3.3 is only compatible with Orbix 3.3. Future versions of Orbix should also be compatible with this version of OrbixTalk, unless specific changes are required for the transport IDL interfaces.

Orbix Version

OrbixTalk 3.3 requires the following versions of Orbix 3.3:

Platform	Product Code
Solaris 2.7	s1730
NT 4.0	s1732
HP-UX 11.00 (ANSI)	s1733

If you do not have the correct version of Orbix installed, please follow the instructions in the Orbix installation kit to install the correct version of Orbix prior to installing OrbixTalk.

Backward Compatibility

OrbixTalk 3.3 is interoperable, but not binary compatible, with previous versions of OrbixTalk. To use OrbixTalk 3.3 with your existing applications you must re-compile and re-link your applications with the new libraries.

Deprecated Features in OrbixTalk 3.3

Anonymous `_bind` is no longer supported in the OrbixTalk Events Library. This means you can no longer bind to the event channel when your Orbix application includes the OrbixTalk Events C++ Library. You can obtain a reference to the `OrbixTalkAdmin::OTChannelManager` object via the method `getOTChannelManager` on the new `OTChannelManagerAdmin` class. You can then get a reference to the event channel by invoking a method `get_event_channel` on the returned `OTChannelManager` object reference.

Bugs Fixed in OrbixTalk 3.3

This section describes the bugs fixed in this release. All bugs are cross platform unless otherwise stated. The bugs are broken down by module and described in terms of the following:

- **Incident ID**

  This is the reference number used by the development teams to track bugs, which may in turn relate to one or more PRs (problem reports) as reported by customers.

- **PR Number**

  Not all bugs fixed have a PR number (the number assigned by IONA support when a call is logged).

- **Synopsis**

  This is a short description of the reported problem. A description of the fix is included where necessary.

Incident ID	PR Number	Synopsis
	236656	SFP listener applications may crash under heavy loads when there are not enough resources to process incoming messages.
53546		`otgateway` typed push model does not work if the `idl` has a module.
54360	233359	`otd` does not set application name correctly in response to `BOOT` message replays.
54098		OrbixTalk `Ntcrash`. This is possibly virtual memory related. Caused by an Orbix bug.
53176		You cannot have OrbixTalk talker and listener in the same process space with the same topic name. This is caused by an Orbix bug.

Known Problems

There is a known issue with `otgateway` when dealing with large messages of 512K and over. The `otgateway` does not support Service Contexts.

Further Information

For further information about updates to OrbixTalk, including the latest patches, visit the Orbix Update Center at:

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http://www.iona.com/online/support/update/index.html
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