

# Oracle® Communications Instant Messaging Server

Release Notes

Release 9.0.2

E53653-01

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This document provides release notes for Oracle Communications Instant Messaging Server Release 9.0.2, consisting of the following sections:

- [New Features](#)
- [Fixes in This Release](#)
- [Known Problems](#)
- [Deprecated and Removed Features](#)
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## New Features

The new features in this release of Instant Messaging Server are:

- [Chat Room Participation Based on LDAP Group Membership](#)
- [Server-to-Server Federation Support between XMPP Server and SIP/SIMPLE Federation Service Gateway](#)

For information on how to configure and use these new features, see *Instant Messaging Server System Administrator's Guide*.

### Chat Room Participation Based on LDAP Group Membership

Starting with Instant Messaging Server 9.0.2.6.0, you can assign/affiliate LDAP groups as members of a restricted chat room. When Instant Messaging Server creates the multi-user chat room, it loads the chat room's affiliations from LDAP. Instant Messaging Server determines if the user is a member of any of the groups authorized for the multi-user chat room. Instant Messaging Server then allows the users to join if they are members and otherwise forbids users from joining.

### Server-to-Server Federation Support between XMPP Server and SIP/SIMPLE Federation Service Gateway

Starting with version 9.0.2.6.0, Instant Messaging Server can provide server-to-server federation support between any standard XMPP server and the SIP/SIMPLE Federation Service Gateway. The Instant Messaging Server SIP Gateway uses either Jabber Component Protocol or Server-to-Server federation for interoperability. The SIP/SIMPLE support using Jabber Component Protocol is only supported with Oracle Communications Instant Messaging server and not with any other third-party XMPP

server. For any other third-party XMPP server, you must configure the Server-to-Server federation option.

## Fixes in This Release

This section lists the fixed issues in this release of Instant Messaging Server.

**Table 1 Fixed Issues**

Service Request (SR) Number	BugDB Number	Description
NA	18900246	Remove properties related to legacy SSL
NA	18899896	Remove deprecated options in <b>imadmin</b> command
NA	18759210	Instant Messaging avatar is not displayed in server-to-server (server federation)
NA	18684027	Presence status update for httpbind users showing offline when peer is restarted
NA	18635453	Make parameters restricted because they are deployment specific
NA	18556566	Rename configuration options for SIP outbound blacklist and whitelist domains
NA	18481931	Add CollabAPI level logging to log4j
NA	18431105	Showing incorrect presence of federated user, after blocking and unblocking the federated user
NA	18401213	Ping support between peers in server pool
NA	18400991	Changing password of other user is not handled properly
NA	18375031	Creation of SIP war file should not depend on existence of <b>iim.conf.xml</b> file
NA	18356402	Stream reopen fails after SASL negotiation is successful in OutServerConnection
NA	18318001	Peer users shown offline and split conference seen when network interface is restarted
NA	18266836	Use of dynamic groups in multi-user chat is not working in hosted domain
NA	18265097	Server should log out existing sessions if a user is removed from store
NA	18261965	Conversion of persistent public room to restricted room is not working
NA	18244356	Provide <b>imconfutil</b> command support for setting process queue
NA	18244339	Server-to-server server id printed as null in logs, difficult to debug the problematic connection
NA	18159671	Group chat enters into invalid state when no LDAP contexts are available
NA	18140560	Server-to-server federation support in SIP Gateway

**Table 1 (Cont.) Fixed Issues**

<b>Service Request (SR) Number</b>	<b>BugDB Number</b>	<b>Description</b>
NA	18101394	Peer server connection retry when an incoming connection is made
NA	18093101	Clean up Instant Messaging Server schema and make corresponding changes in code
NA	17955884	Presence API should respond immediately to the request if user does not exist
NA	17907851	IMQ shared dependency removal
NA	17809951	Duplicate messages in multi-user chat when peer user joins the room
NA	17787231	Not allowed to participate in this room error seen in performance tests
NA	17781761	With SE Linux in Permissive mode, <b>imadmin</b> command does not start because of permissions
NA	17730106	Change the log level for error messages in the <b>xmppd.log</b> to WARN mode
NA	17673679	In pool presence probe to a user not in roster returns the user's presence
NA	17574885	Server restarts and hangs during performance test, all threads blocked on LDAP
NA	17558390	Duplicate messages are received when federated (JabberD) users join the multi-user chat
3-7705300151	17344758	Allow using LDAP groups in a member-only room
NA	17238742	XMPPD log keeps rotating indefinitely, when wrong peer id is specified in pool
NA	17203175	Presence probe to user not in roster list is not getting presence
NA	17203133	Presence probe to contact who has blocked notification returns type=unavailable
NA	16970287	JSS dependency removal
NA	16925009	Stop bundling AIM related jars, IMPS, python gateways, remove ENS support
NA	14502397	Group messaging not working between federated servers
NA	13845159	Offline messages are not received if they are sent before server-to-server session established
NA	13463977	The search must be modified for groups, currently it searches entire user base
NA	13463895	Group messaging does not work in hosted domains
NA	12713942	SIP federation does not work in server pool setup
NA	12304931 (SUNBT7005044)	Provide help description for the parameters

**Table 1 (Cont.) Fixed Issues**

<b>Service Request (SR) Number</b>	<b>BugDB Number</b>	<b>Description</b>
NA	12287918	Users not able to enter the room while they are logged with different resources
NA	12287854 (SUNBT6924610)	Administrator cannot grant moderator privileges to a member in a conference room
NA	12287151 (SUNBT6920854)	Issues with managing conference and discussion history
NA	12265683 (SUNBT6820693)	Conference history should not be loaded while it is disabled on server
NA	12263857 (SUNBT6812313)	Messages are not deleted in LDAP

## Known Problems

This section lists the known problems in this release of Instant Messaging Server.

### **Pidgin BOSH Client Is Not Able to Log In if DIGESTMD5 Enabled in Pool Environment**

SR number: NA

Bug number: 18787873

The XMPP RFC specifies the MD5 check should use a domain name for the URI. The Pidgin BOSH client uses a host name according to Digest MD5 RFC1321. Digest MD5 does work with Strophe clients.

### **Server-to-Server Whitelisting Is Not Supported After an Upgrade from Instant Messaging 8 Releases to Instant Messaging 9**

SR number: NA

Bug number: 17155860

During an upgrade, server-to-server coserver configuration migrates to Instant Messaging Server 9.0.1.4.0, even though the coserver-based system of defining whitelists is not supported in Instant Messaging Server 9.0.1.4.0.

Workaround:

1. After an upgrade from Instant Messaging Server 8 release to Instant Messaging Server 9.0.1.4.0, remove the server-to-server coserver properties manually, by using the following command:  

```
imconfutil delete-coserver -c iim.conf.xml coserver1,coserver2
```
2. If you want to make server-to-server federation work as it did in Instant Messaging Server 8, perform the following steps:
  - a. Set **iim\_server.federation.policy=CLOSED**.
  - b. Set whitelisted domains as exceptions, as in the following full **imconfutil** command, where **domain1.com** and **domain2.com** were whitelisted domains in Instant Messaging Server 8:

```
imconfutil -c iim.conf.xml iim_server.federation.policy=CLOSED iim_
server.federation.exceptions=domain1.com,domain2.com
```

For more details on server-to-server configuration, see the topic on federating Instant Messaging Server 9 deployments with external servers on XMPP or non-XMPP networks in *Instant Messaging Server System Administrator's Guide*.

## Comments in the iim.conf File Need to Be Removed Before Upgrading

SR number: NA

Bug number: 17608554

If the first line in the **iim.conf** file is a comment introduced by **!!**, it must be removed before upgrading to Instant Messaging Server 9. Otherwise, it results in an unusable **iim.conf** file with minimal contents.

## Space Next to Equal Sign (=) in iim.conf File Is Not Handled Correctly in Upgrade to Instant Messaging Server 9

SR number: NA

Bug number: 17613019

In an Instant Messaging Server 8 **iim.conf** file, if there is a space before or after the equal sign in a *property=value* pair, upgrading to Instant Messaging Server 9 treats the equal sign as part of the value in the **iim.conf.xml** file. For example **yim\_gateway.jid = "yim.idc.oracle.com"** in an Instant Messaging Server 8 **iim.conf** file becomes **<jid>="yim.idc.oracle.com"</jid>** in an Instant Messaging Server 9 **iim.conf.xml** file.

## Parameters Are Not Migrated in Upgrade From Instant Messaging Server 8 Patch 6 to Instant Messaging Server 9

SR number: NA

Bug number: 17608577

The following parameters are not migrated in an upgrade from Instant Messaging Server 8 Patch 6 to Instant Messaging Server 9:

```
iim_server.port.45222.worker-in
iim_server.port.45222.worker-out
```

You need to add the parameters to Instant Messaging Server 9 manually, as in the following example:

```
imconfutil set-listener-prop -u -c /opt/sun/comms/im/config/iim.conf.xml c2s
port=45222 worker-out=muxout worker-in=muxin protocols=c2s
```

## Parameters in Instant Messaging Server 8 Patch 6 Need to Be Set Manually After Upgrading to Instant Messaging Server 9

SR number: NA

Bug number: 17613731

The following parameters are in Instant Messaging Server 8 Patch 6, but are not in Instant Messaging Server 9:

```
iim_mux.jvm.maxmemorysize  
iim_server.deliverofflinechat  
iim.policy.cachevalidity  
iim_ldap.conferencecontainer
```

If you upgraded from Instant Messaging Server 8 Patch 6 to Instant Messaging Server 9 and are now upgrading from Instant Messaging Server 9 to Instant Messaging Server 9.0.1.4.0, you must set these parameters manually, as in the following example:

```
imconfutil set-prop -u -c /opt/sun/comms/im/config/iim.conf.xml iim_  
server.deliverofflinechat=true iim_mux.jvm.maxmemorysize=2048 iim_  
ldap.conferencecontainer="ou=sunConferences" iim.policy.cachevalidity=3600
```

## **SMF Status Is Not Preserved After Upgrade**

SR number: NA

Bug number: 19163612

After upgrading Instant Messaging Server, Service Management Facility (SMF) becomes unregistered. To re-register SMF, run the following command:

```
imadmin smf-register
```

## **Communication Delay During Multi-User Chat Room Join Phases Under Load**

SR number: NA

Bug number: 18956613

A communication delay can occur between users in a multi-user chat room when many users are joining the chat room.

## **Delay In Affiliation Change in Multi-User Chat Room Under Load**

SR number: NA

Bug number: 18956566

A delay in affiliation can occur between users in a multi-user chat room when many users are joining the chat room.

## **Delay in 1:1 Chat and Multi-User Chat Room When Users Are Connected Through HTTPBIND**

SR number: NA

Bug number: 18944756

A small communication delay can occur between users when first connecting by using HTTPBIND.

## **Presence of Contacts Does Not Show Correctly When User Logs Out and Logs In**

SR number: NA

Bug number: 18799534

When a user logs out and logs in, the presence of contacts does not show correctly. After the user logs out, the user's contacts change status, but that status is not reflected in the user's roster when the user logs in again.

## Could Not Load Roster for User Error

SR number: NA

Bug number: 18724264

The following message, if observed in the `xmppd.log`, is not a cause for concern:

```
xmppd.log.3:[06 May 2014 11:27:44,757] WARN xmppd [default-iim_server-worker  
1] Could not load roster for user: user1@ihost1.example.com : null
```

This message should not be printed as a warning because it misleads the user into thinking there is a problem.

## Communication Break Occurs Between Peers When Run in Solaris Non-Global Zones or LDOMs

SR number: NA

Bug number: 18192309

A communication break can occur between peers on different zones or LDOMs.

## Deprecated and Removed Features

The following features have been removed from this release:

- Access Manager
- Third-party instant-messaging gateways that are bundled with the Instant Messaging Server:
  - AIM gateway
  - MSN gateway
  - Yahoo gateway
- Storing gateway data on MySQL Server
- Multiplexor with SSL
- Instant Messaging Server calendar pop-up/reminder support with Calendar Server 6.3
- The Instant Messaging and Presence Service (IMPS) Web application
- Support for file `propstore` for storing user data and conferences in a file system instead of LDAP
- The following commands belonging to the `iwadmin` tool:
  - `deploy`
  - `redeploy`
  - `undeploy`
  - `generate`

- **list**
- The following command options for specifying Web components to **iwadmin** commands:
  - **imps**
  - **all**

Support for the following **imconfutil** calendar-agent parameters has been removed as of Instant Messaging Server 9.0.1.4.0 and replaced by the new **imconfutil add-jmqbroker** command. For more information, see the topic on displaying availability based on calendar entries in *Instant Messaging Server System Administrator's Guide*.

- **agent-calendar.broker.address**
- **agent-calendar.broker.user**
- **agent-calendar.broker.password**

## Documentation Updates

Beginning with this release of Instant Messaging Server, product documentation is published to the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

Product documentation is no longer published to the Oracle Wiki site at:

<https://wikis.oracle.com>

However, documentation previously published to the Oracle Wiki site continues to be available.

## Documentation Accessibility

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