Oracle® Enterprise Communications Broker

Release Notes

Release P-Cz4.1.0
F79965-04
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Oracle Enterprise Communications Broker Release Notes, Release P-Cz4.1.0

F79965-04

Contents

About This Guide

The Oracle Enterprise Communications Broker (OECB) Release Notes provides the following information about the ECB hardware and software.

- Specifications and requirements
- Upgrades and downgrades
- New features and enhancements
- Known issues, caveats, and limitations

Documentation Set

The following table describes the documentation set for the ECB.

Document Name	Document Description
Release Notes	Contains information about the current release, including specifications, requirements, new features, enhancements, inherited features, known issues, caveats, and limitations.
Administrator's Guide	Describes how to deploy the system.
User's Guide	Describes how to configure SIP signaling management and how to tailor the system to specific needs.
Help system	Contains task-oriented topics for configuring, administering, maintaining, and troubleshooting the ECB hardware and software.
SBC Family Security Guide	Provides information about security considerations and best practices from a network and application security perspective for the Session Border Controller family of products.

Related Documentation

The following table describes related documentation for the ECB.

Document Name	Document Description
Installation and Platform Preparation Guide	Contains conceptual and procedural information for system provisioning, software installations, and upgrades.

Revision History

The following table lists changes to this document and the corresponding dates of publication.

Date	Description
May 2023	• Initial Release for ECB 4.1.0.

Date	Description
October 2023	• Updates for PCZ4.1.0p1.
July 2024	• Content updates
October 2024	• Updates Known Issues table for PCZ4.1.0p4.

My Oracle Support

My Oracle Support (https://support.oracle.com) is your initial point of contact for all product support and training needs. A representative at Customer Access Support (CAS) can assist you with My Oracle Support registration.

Call the CAS main number at 1-800-223-1711 (toll-free in the US), or call the Oracle Support hotline for your local country from the list at http://www.oracle.com/us/support/contact/index.html. When calling, make the selections in the sequence shown below on the Support telephone menu:

1. Select `2` for New Service Request.
2. Select `3` for Hardware, Networking, and Solaris Operating System Support.
3. Select one of the following options:
   - For technical issues such as creating a new Service Request (SR), select `1`.
   - For non-technical issues such as registration or assistance with My Oracle Support, select `2`.

You are connected to a live agent who can assist you with My Oracle Support registration and opening a support ticket.

My Oracle Support is available 24 hours a day, 7 days a week, 365 days a year.

Emergency Response

In the event of a critical service situation, emergency response is offered by the Customer Access Support (CAS) main number at 1-800-223-1711 (toll-free in the US), or call the Oracle Support hotline for your local country from the list at http://www.oracle.com/us/support/contact/index.html. The emergency response provides immediate coverage, automatic escalation, and other features to ensure that the critical situation is resolved as rapidly as possible.

A critical situation is defined as a problem with the installed equipment that severely affects service, traffic, or maintenance capabilities, and requires immediate corrective action. Critical situations affect service and/or system operation resulting in one or several of these situations:

- A total system failure that results in loss of all transaction processing capability
- Significant reduction in system capacity or traffic handling capability
- Loss of the system's ability to perform automatic system reconfiguration
- Inability to restart a processor or the system
- Corruption of system databases that requires service affecting corrective actions
- Loss of access for maintenance or recovery operations
- Loss of the system ability to provide any required critical or major trouble notification

Any other problem severely affecting service, capacity/traffic, billing, and maintenance capabilities may be defined as critical by prior discussion and agreement with Oracle.

Locate Product Documentation on the Oracle Help Center Site

Oracle Communications customer documentation is available on the web at the Oracle Help Center (OHC) site, http://docs.oracle.com. You do not have to register to access these documents. Viewing these files requires Adobe Acrobat Reader, which can be downloaded at http://www.adobe.com.

1. Access the Oracle Help Center site at http://docs.oracle.com.
2. Click **Industries**.
3. Under the Oracle Communications sub-header, click the **Oracle Communications documentation** link.
   The Communications Documentation page appears. Most products covered by these documentation sets appear under the headings "Network Session Delivery and Control Infrastructure" or "Platforms."
4. Click on your Product and then Release Number.
   A list of the entire documentation set for the selected product and release appears.
5. To download a file to your location, right-click the **PDF** link, select **Save target as** (or similar command based on your browser), and save to a local folder.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

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Specifications and Requirements

Oracle recommends that you review the following information before installing the software.

Supported Platforms

Platforms

The following platforms are supported in ECB 4.1.0. For all the platforms listed here, you must install the Operating System and software from a USB memory device

- Oracle X9-2
- Oracle X8-2
- Oracle X7-2
- Go to My Oracle Support (MOS) at https://support.oracle.com to download the Operating System and software. See "Download Software from MOS."
- See the Software Installation information in the Oracle Enterprise Session Border Controller Installation and Platform Preparation Guide for installation instructions.

Image and Boot Loader Files

The P-CZ 4.1.0 release uses the following ISO, image and boot loader files:

- ISO — nnPCZ410-img.iso
- Image — nnPCZ410.bz
- Boot loader — nnPCZ410.boot
- Compressed image file for Oracle Cloud Infrastructure (OCI) — nnPCZ410-img-vm_kvm.tgz

Cores and Threads

The following list shows the recommended number of cores and the expected number of SIP threads per platform. Note that the number of SIP threads may vary, depending on the configuration of your deployment.

- VM—Recommended 8 cores. Yields 3 SIP threads.
- Oracle Servers X7-2, and X8-2, and X9-2 — Recommended 16 cores. Yields 9 SIP threads.

Memory

Oracle recommends at least 16G memory for all P-CZ 4.1.0 deployments.

While the above presents standard recommendations, optimum OECB resource sizing depends individual deployments. Oracle recommends that you work with consulting and/or sales teams to determine the best sizing for your deployment.

Supported Hypervisors

Supported Hypervisor for Private Virtual Infrastructures in P-CZ 4.1.0:

- VMware vSphere ESXi 6.x.
- VMWare vSphere ESXi 7.0.

> **Note:**
>
> In the ECB 4.1.0 Release, X9-2 is not supported as a VMWare hypervisor.

Browser Requirements

The P-CZ 4.1.0 version of the Oracle Enterprise Communications Broker supports the following browser versions for navigating and configuring the GUI:

- Edge: 102.0.1245.30 and later
- Firefox 91.9.0esr and later
- Google Chrome (Recommended)—101.0.4951.67 and later

Download Software from MOS

When you want to get a software release or a patch from Oracle, go to My Oracle Support (MOS) and download it to your system or to a USB memory device.

- Establish an account with My Oracle Support.

The following procedure requires you to enter your MOS credentials to log on.

1. Go to https://support.oracle.com and log on.
2. Click the **Patches & Updates** tab.
3. On the Patch Search pane, click the **Search** tab.
4. On the Search dialog, do the following:
   a. Product is—Select a product from the drop-down list.
   b. Release is—Select a release from the drop-down list.
5. Click **Search**.
6. On the Patch Advanced Search Results page, click the patch that you want.

   The system displays information about the patch, and a dialog where you can open the Read Me file and download the software.
7. In the dialog, do the following:
   - Read Me—Click to see the build notes.
   - Download—Click to download the software.
8. Log off.

Platform Boot Loaders

The Oracle Enterprise Communications Broker (ECB) platforms require a boot loader to load the operating system and software.

All ECB platforms require that the boot loader and the software image match per release. For example, if the software image file name is ECB nnPCZ410.bz, use the corresponding boot loader file named nnPCZ410.boot.

You can install the boot loader file as /boot/bootloader on the target system. You can also upload the boot file from the Web GUI using the **Upgrade Software** option. When you plan to upgrade the system image, upgrade the boot loader before booting the new system image.

Upgrade Paths

The following in-service (hitless) upgrade and rollback paths are supported by both the Oracle Enterprise Communications Broker:

Table 1-1 Upgrade Paths

From Version	To Version
P-CZ4.0.0	P-CZ4.1.0
P-CZ3.3.0	P-CZ4.1.0
P-CZ3.3.0	P-CZ4.0.0
P-CZ3.2.0	P-CZ3.3.0
P-CZ3.1.0	P-CZ3.3.0

Note:

If you want to rollback or downgrade, ensure that you backup the configuration before performing the upgrade. After rollback, manually restore the saved backup.

All paths require that you meet recommended resource requirements before you upgrade. If necessary, upgrade to supported path versions prior to your upgrade.

When upgrading to P-CZ 4.1.0 release from a release older than the previous release, read all intermediate Release Notes documents for notification of incremental changes.

Co-product Support

The following products and features run in concert with the Oracle Enterprise Communications Broker for their respective solutions. Contact your Sales representative for further support and requirement details.

Oracle Communications Session Delivery Manager

This release can inter-operate with the following versions of the Oracle Communications Session Delivery Manager:

- FCAPS support from SDM 9.0.2

Behavioral Changes

The following information documents the behavioral changes to the Oracle Enterprise Communications Broker (OECB) in this software release.

Storage Location for LST Files

You can no longer specify a path when defining an LST name. The location for LST files is now fixed at /code/lst. LST files in any other location do not work.

Schema Upgrade

The Oracle Enterprise Communications Broker (ECB) requires P-CZ 4.1.0 a configuration schema upgrade after upgrading the software to P-CZ 4.1.0. The system prompts you to upgrade the configuration schema the first time you log on as the administrator.

Important:

The upgrade configuration schema is performed when you log on to ECB for the first time after completing an upgrade from a lower version to higher version. You will be prompted to update the config schema ONLY if your upgrade path is any one of the following:

Table 1-2 Schema Upgrade

From	To
P-CZ 3.1.0	P-CZ 3.3.0
P-CZ 3.2.0	P-CZ 3.3.0

If your upgrade path is P-CZ3.3.0 GA (or later releases) -> P-CZ 4.1.0, you will NOT be prompted to update the config schema. It happens without user intervention.

LDAP Configuration

P-CZ 4.1.0 exposes the RealmID parameter in the LDAP configuration. The configuration upgrade sets Realm ID to "ecb" for existing LDAP configurations.

Note:

Only the "ecb" realm can support LDAP.

ENUM Configuration

P-CZ 4.1.0 exposes the RealmID parameter in the ENUM configuration. The configuration upgrade sets Realm ID to "ecb" for existing ENUM configurations. You can set the Realm ID, as needed, for newly added VLANs.

SPL Support

The Oracle Enterprise Communications Broker supports the following Session Plug-in Language (SPL) engines.

- C2.0.0
- C2.0.1
- C2.0.2
- C2.0.9
- C2.1.0
- C2.1.1
- C2.2.0
- C2.2.1
- C2.3.2
- C3.0.0
- C3.0.1
- C3.0.2
- C3.0.3
- C3.0.4
- C3.0.5
- C3.0.6
- C3.0.7
- P1.0.0
- P1.0.1
- C3.1.0
- C3.1.1
- C3.1.2
- C3.1.3
- C3.1.4
- C3.1.5
- C3.1.6
- C3.1.7
- C3.1.8
- C3.1.9
- C3.1.10
- C3.1.11
- C3.1.12
- C3.1.13

- C3.1.14
- C3.1.15
- C3.1.16
- C3.1.17
- C3.1.18
- C3.1.19
- C3.1.20
- C3.1.21

TLS Cipher Updates

Note the following changes to the DEFAULT cipher list.

Oracle recommends the following ciphers, and includes them in the DEFAULT cipher list:

1. TLS_AES_128_GCM_SHA256 (new in 9.2.0)
2. TLS_AES_256_GCM_SHA384 (new in 9.2.0)
3. TLS_CHACHA20_POLY1305_SHA256 (new in 9.2.0)
4. TLS_AES_128_CCM_SHA256 (new in 9.2.0)
5. TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384
6. TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256
7. TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384
8. TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256
9. TLS_DHE_RSA_WITH_AES_256_GCM_SHA384
10. TLS_DHE_RSA_WITH_AES_128_GCM_SHA256
11. ECDHE-ECDSA-AES256-GCM-SHA384
12. ECDHE-ECDSA-AES128-GCM-SHA256
13. ECDHE-RSA-AES256-GCM-SHA384
14. ECDHE-RSA-AES128-GCM-SHA256
15. ECDHE-RSA-AES256-SHA384
16. ECDHE-RSA-AES128-SHA256
17. DHE-RSA-AES256-GCM-SHA384
18. DHE-RSA-AES256-SHA256
19. DHE-RSA-AES128-GCM-SHA256
20. DHE-RSA-AES128-SHA256
21. AES256-SHA256

Oracle supports the following ciphers, but does not include them in the DEFAULT cipher list:

1. TLS_AES_128_CCM_8_SHA256 (new in 9.2.0)
2. TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384
3. TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256

4. TLS_DHE_RSA_WITH_AES_128_CBC_SHA256
5. TLS_DHE_RSA_WITH_AES_256_CBC_SHA256
6. TLS_RSA_WITH_AES_256_CBC_SHA256
7. TLS_RSA_WITH_AES_256_GCM_SHA384
8. TLS_RSA_WITH_AES_128_CBC_SHA256
9. TLS_RSA_WITH_AES_128_CBC_SHA
10. TLS_RSA_WITH_AES_128_GCM_SHA256
11. TLS_RSA_WITH_3DES_EDE_CBC_SHA

Oracle supports the following ciphers for debugging purposes only:

1. TLS_RSA_WITH_NULL_SHA256 (debug only)
2. TLS_RSA_WITH_NULL_SHA (debug only)
3. TLS_RSA_WITH_NULL_MD5 (debug only)

Oracle supports the following ciphers, but considers them not secure. They are not included in the DEFAULT cipher-list, but they are included when you set the **cipher-list** attribute to **ALL**. When you configure the **cipher-list** to **ALL**, the system provides a **verify-config** message warning you that you are using these insecure ciphers.

1. TLS_DHE_RSA_WITH_AES_256_CBC_SHA
2. TLS_RSA_WITH_AES_256_CBC_SHA
3. TLS_DHE_RSA_WITH_AES_128_CBC_SHA
4. TLS_DHE_RSA_WITH_3DES_EDE_CBC_SHA

To configure TLS ciphers, use the **cipher-list** attribute in the **tls-profile** configuration element.

> **WARNING:**
>
> When you set **tls-version** to either **tlsv1** or **tlsv11** and you want to use ciphers that Oracle considers not secure, you must manually add them to the **cipher-list** attribute.

Documentation Changes

The following information lists and describes the changes made to the Enterprise Communications Broker documentation set for release ECB 4.1.0

Documentation Updates for the ECB 4.1.0 Release

Table 1-3 Documentation Updates

Feature	Description
Administrative Security Enhancements - Password strength and complexity	ECB 4.1.0 Administrator Guide
Exact match routing enhancement	• ECB 4.1.0 User Guide
OJET UI Changes	• ECB 4.1.0 User Guide • ECB 4.1.0 Administrator's Guide • ECB 4.1.0 Web Help

Table 1-3 (Cont.) Documentation Updates

Feature	Description
Support for SNMPv3	• ECB 4.1.0 User Guide
Support for 2048 bit DH key size	ECB 4.1.0 Administrator Guide
Support for deployment on public cloud	ECB 4.1.0 Administrator Guide
Support for X9 deployment	ECB 4.1.0 Administrator Guide

2

New Features in ECB 4.1.0

The ECB 4.1.0 release delivers the following enhancements and new features to improve the functionality, look, and behavior of the Oracle Enterprise Communications Broker (ECB) software.

Table 2-1 New Features

Feature	Description
Exact match routing enhancement	Exact Match Routing is an enhancement to the existing Routing functionality that provides support of absolute matching of the calling number and the called number. This feature adds a specific character to the routing configuration to differentiate the Exact Match Routing scenario while not interfering with the existing functionality.
OJET UI Changes	The ECB 4.1.0 user interface has been upgraded to OJET v13.1.0 to provide an interactive and seamless user experience.
REST API Support for LST	ECB 4.1.0 supports REST API integration for LST to provide an easy and reliable solution to configure and manage the LST entries and LST XML files.
Security Enhancements - Password strength and complexity	ECB 4.1.0 includes the password strength and complexity enhancements provided by the Admin Security feature set.
Support for SNMPv3	ECB 4.1.0 supports SNMPv3. It is an improved and more secure version of the SNMP protocol that includes authentication and privacy.
Support for 2048 bit Diffie-Hellman (DH) key size	ECB 4.1.0 supports Diffie-Hellman key size of 2048 during TLS negotiations on SIP interfaces.
Support for deployment on Oracle Cloud Infrastructure (OCI)	With ECB 4.1.0, you can deploy Oracle Enterprise Communications Broker on Oracle Cloud Infrastructure (OCI).
Support for Oracle Linux 8.5	ECB 4.1.0 supports Oracle Linux 8.5
Support for TLS 1.3	ECB 4.1.0 supports TLS 1.3. TLS 1.3 is the latest version of theTLS protocol. TLS 1.3 eliminates obsolete cryptographic algorithms, enhances security over older versions, and aims to encrypt as much of the handshake as possible.
Support for X9-2 Hardware	ECB 4.1.0 will allow for deployment on Oracle Server X9-2.

3
Web GUI Changes in ECB 4.1.0

The ECB 4.1.0 release changes the look, and some of the behavior of the Web GUI, to better align with Oracle's current styles and standards. Although most of the navigation and operations remain the same, some differences occur in the location and design of the controls you use to access and manipulate the objects on the Web GUI. The following information describes the new controls, operations, and behavior of the Web GUI.

The following information describes the visual and operational changes to Web GUI components.

Table 3-1 New Web GUI Features/Changes in ECB 4.1.0

New Web GUI Features/Changes in ECB 4.1.0	Description
Copy Dashboard Widgets Display from one ECB to Another	If you want the Dashboard Widgets display to be the same on multiple ECBs, you can download an XML file of the Widgets from one ECB and upload it to another ECB by using the Widgets button on the Dashboard.
Paste Configuration - Duplicate a Configuration	You can paste an existing configuration into an editable dialog on the Web GUI as the starting point for adding the new one. This helps you to save time when adding configurations to a multi-instance configuration object. You can use the copied configuration as is, or make modifications to it.
Widget Descriptions Location and Behavior	The description for a Widget is displayed on the Widget itself.
Search Operations in Monitor and Trace	On clicking **Search** on a Monitor and Trace report, the Web GUI displays the Search dialog box in a separate window, rather than as a part of the report page. The new dialog box contains all the same parameters as before.
Controls in Tables	On selecting multiple rows in a table, the system activates only the icons for supported actions.
OJET Uplift to v13.1.0	ECB 4.1.0 supports OJET v13.1.0.

4

Caveats, Known Issues, and Limitations

Oracle provides behavioral information that you need to know about the release in the form of caveats, known issues, and limitations. A caveat describes behavior that you might not expect, and explains why the system works in a certain way. A known issue describes temporarily incorrect or malfunctioning behavior, and often includes a workaround that you can use until Oracle corrects the behavior. A limitation describes a functional boundary or exclusion that might affect your deployment.

Caveats in ECB 4.1.0

The following items describe caveats in the ECB 4.1.0 release.

SDM Does Not Support Multi-Instance Parameters

Address of record and lookup queries are multi-instance parameters which are not supported under single instance sub element in SDM.

In an existing file, LST entries are not synced with Standby machine

When LST Entries are modified (added or deleted) in an already existing LST XML file in the Active ECB node, the changes are not synced to the standby node. As a result, registration/ calls fails in case of a switchover.

Workaround: Whenever LST entries are been modified/updated from the Active ECB node, you must perform this command in the Standby ECB :-

```
StandbyECB# refresh lst <String>
```

where, <String > name of the LST config OR name of LST XML file which is modified.

Dialing Context is not supported through REST APIs

Found in ECB 3.3.0, Dialing Context is not supported through REST APIs.

Workaround: Configure the Dialing Context using the WebGUI or CSV upload.

Unable to copy learned entries for configurations User-number, Session-agent, routing-entry

Detected in ECB 3.3.0. Unable to copy learned entries for configurations User-number, Session-agent, routing-entry

Workaround: A new configuration must be created.

LDAP SNMP Trap Support

LDAP SNMP traps are not supported in P-CZ 4.1.0. ECB 4.1.0 does not generate any LDAP failures for the following OID failures:

- 1.3.6.1.4.1.9148.2.1.8.9 apSmgmtLDAPCap

- 1.3.6.1.4.1.9148.3.2.1.6 apSysMgmtMIBLDAPServerStatusObjects
- 1.3.6.1.4.1.9148.3.2.1.6.1 apLDAPServerStatusTable
- 1.3.6.1.4.1.9148.3.2.1.6.1.1 apLDAPServerStatusEntry
- 1.3.6.1.4.1.9148.3.2.1.6.1.1.1 apLDAPConfigName
- 1.3.6.1.4.1.9148.3.2.1.6.1.1.2 apLDAPServerIpAddress
- 1.3.6.1.4.1.9148.3.2.1.6.1.1.3 apLDAPServerStatus
- 1.3.6.1.4.1.9148.3.2.4.2.10 apSysMgmtLDAPServerStatusGroup
- 1.3.6.1.4.1.9148.3.2.4.3.15 apSysMgmtLDAPServerStatusNotificationsGroup

HA Limitation

HA switchover causes TCP/TLS ports to be reset. This terminates the TCP/TLS calls that were in progress on the formerly active OECB. New call setup over TCP/TLS, however, is successful.

Logging Limitation

Setting Logging to DEBUG simultaneously with greater than 300k configuration degrades system performance. Be sure to set Logging to WARNING or NOTICE under this condition, and only use DEBUG when absolutely required.

LDAP Support

Only the default "ecb" network can support LDAP. Additional networks cannot.

Registrar Support

Only the default "ecb" network can act as the registrar. Additional networks cannot.

ECB Sync Compatibility

ECB Sync is supported only between nodes with the same configuration platforms. For example, X3 to X3, X5 to X5, VM to VM are supported. Both ECBs participating in ECB Sync must have the same number of Cores.

Deprecated Ciphers

The system deprecates the following ciphers, adhering to recent OpenSSL changes intended to eliminate weak ciphers:

- All DES-CBC ciphers, including:
  - TLS_DHE_RSA_WITH_DES_CBC_SHA
  - TLS_RSA_EXPORT1024_WITH_DES_CBC_SHA

Oracle recommends that you remove any prior version configuration that uses these ciphers, and that you do not configure a security profile with the expectation that these ciphers are available. Note also that TLS profiles using the **ALL** (default) value for the **cipher-list** parameter no longer use these ciphers.

> **Note:**
>
> The ACLI may still display these ciphers when you run **cipher-list ?**, but the system does not support them.

Resolved Issues and Known Issues

The following tables lists Resolved Issues and Known Issues.

The Resolved Issues table provides the Service Request ID number, a description of the issue, any workaround, when the issue occurred, and when Oracle fixed the issue. The Known Issue table includes issues that remain open. Issues from previous releases that do not appear here do not apply to this release. You can also find information about resolved issues in the Build Notes for this release.

Table 4-1 Known Issues

ID Number	Description	Workaround	Found In
36967331	On receiving 487 for REFER, ECB starts a 32 second timer and deletes the session resulting in call drop.	None	4.1.0
33842985	ECB GUI : Sorting is not working in Dialing contexts page.	None	4.0.0
34267309	No left-side Index/search in the browser for local Help files.	Not applicable	4.0.0
34935965	SDM: Able to provide the alphabets as input for the field ldap-servers from ldap-config	Valid inputs are configurable. The LDAP server attribute can be configured using the Web GUI	3.3.0
35430873	SDM: In Password policy, all attributes are displayed even admin security disabled.	None. Configuration will not take effect with Admin Security is disabled	4.1.0
35430905	SDM: In LDAP config, address of record and look-up queries are not available.	Configuration via WebGui and ACLI	4.1.0

Table 4-2 Resolved Issues

ID Number	Description	Fixed In
35418244	Not able to see the child elements of CORPORATE, when we first open GEOGRAPHIC child elements.	PCZ4.1.0p1
35382471	SDM: Information message shows SBC instead of ECB.	PCZ4.1.0p4
35700038	ECB OCI VM: Registration Cache widget is not displaying registered entries	PCZ4.1.0p2
35056106	Copy action not working on a few objects for a learned from remote entry.	PCZ4.1.0p1

Table 4-2 (Cont.) Resolved Issues

ID Number	Description	Fixed In
35316222	In existing file, LST entries are not syncing with Standby device.	PCZ4.1.0p1
35331882	SDM: The option NONE is not available under SNMP User Entry.	PCZ4.1.0p1
35380830/35238527	Intermittent reboot observed during save/activate.	PCZ4.1.0p1
35395958	Unable to GET/DELETE ECB dialing context through REST API with name=value parameters.	PCZ4.1.0p1
33683448	Session timeout/ page unresponsiveness observed on tags load	PCZ4.0.0p2
34266944	The sip-manipulation cfgrules modify screen is blank. Workaround: sip-manipulation->cfgrules can be configured using the ACLI.	PCZ4.0.0p1
32928940	When invalid values are configured in SA attributes, verify-config errors are not observed. Ensure your configuration values are valid.	PCZ4.0.0