ReadMe for Cisco Unified Communications Manager Release 12.5(1)SU6

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Revision History

Date	Revision
February 15, 2022	Initial publication
April 18, 2022	Added CSCwb59217 to Open Caveats
May 02, 2022	Added CSCwa40670 to Open Caveats

Introduction

> **Note** To view the release notes for previous versions of Cisco Unified Communications Manager, choose the Cisco Unified Communications Manager version from the following URL:
>
> http://www.cisco.com/en/US/products/sw/voicesw/ps556/prod_release_notes_list.html

> **Note** Please review all sections in this document pertaining to installation before you install this Service Update (SU). Failure to install this SU as described may result in inconsistent Cisco Unified Communications Manager behavior.

This 12.5(1)SU6 ReadMe file contains important information about installation procedures and resolved caveats for Cisco Unified Communications Manager release 12.5(1)SU6. This SU can be applied to Cisco Unified Communications Manager and Session Management Edition.

> **Note** Before you install Cisco Unified Communications Manager, Cisco recommends that you review the Important Notes, on page 3 for information about issues that may affect your system.

System Requirements

The following sections comprise the system requirements for this release.

Server Support

In this release, you cannot install or run Cisco Unified Communications Manager on server hardware; you must run these applications on virtual machines. Please refer to the "Hardware" section of the *Upgrade and Migration Guide for Cisco Unified Communications Manager and the IM and Presence Service, Release 12.5(1)* for additional details:

https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/upgrade/12_5_1/cucm_b_upgrade-migration-guide-125x.html

Uninterruptible Power Supply

Ensure that you connect each node to an uninterruptible power supply (UPS) to provide backup power and protect your system.

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Caution　Failure to connect the Cisco Unified Communication Manager nodes to a UPS may result in damage to physical media and require a new installation of Cisco Unified CM.

Version and Description

This SU is a cumulative update that incorporates all of the fixes and changes from Cisco Unified Communications Manager 12.5(1) through 12.5(1)SU5 along with additional changes that are specific to this SU.

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Note　You can only install this SU on Cisco Unified Communications Manager Release 8.6(x) through 11.x, 12.0(1x), 12.5(1) through 12.5(1)SU5, or any 12.5(1)ES from 12.5.1.11001-1 to 12.5.1.16068-1. Upgrades from any earlier supported versions require a PCD migration. If you are upgrading from a version prior to 12.x, ensure you have the proper licensing prior to doing the upgrade.

For a list of all supported upgrade paths and the supported upgrade method, please see the Compatibility Matrix at:

http://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/products-device-support-tables-list.html

⚠️

Caution　Please note that if you install an SU it may contain fixes that are not included in the newer Unified CM releases. For example, a fix in an 11.5(1)SU, 11.5(1)SU6, may not be included in 12.0(1) because the fix was not available prior to the release of 12.0(1). In this example, an SU or ES on the 12.0(1) branch may be required to retain the same fixes.

New to this Release

For details about the features included in this release, refer to Release Notes for Cisco Unified Communications Manager and IM & Presence Service, Release 12.5(1) at:

http://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/products-release-notes-list.html

In addition to the features listed in the Release Notes, the following changes were introduced in 12.5(1)SU7:

- **Log4j upgrade to 2.17.2**

In addition to the features listed in the Release Notes, the following changes were introduced in 12.5(1)SU4:

- **Upgrade to JDK8**

- **Upgrade to Tomcat9**

Important Notes

Compatibility between collaboration products is detailed at the following link. You must insure your versions are compatible before beginning your upgrade:

https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/uc_system/unified/communications/system/Compatibility/CSR-Compatibility-Matrix-InteractiveHTML.html

Cisco provides the following guidance to help you successfully upgrade Cisco Unified Communications Manager software:

- To minimize call-processing interruptions during the upgrade process, register all devices to servers that are running the same version of Cisco Unified Communications Manager software. Make sure that you register all devices to the backup Cisco Unified Communications Manager server or to the primary Cisco Unified Communications Manager server, but not to both the backup and primary servers.

Warning for Upgrades from 12.5(1)

Warning   There is an open caveat in the Upgrade Enhancements feature in all 12.5(1) releases, where the source version is prior to SU2, which could cause cluster upgrades to newer 12.5(1) versions to fail. Use the Bug Search Toolkit link below for more details on the conditions that cause the issue and possible workarounds:

https://bst.cloudapps.cisco.com/bugsearch/bug/CSCvq22312

Warning for Upgrades to 14

Warning   This SU adds support for Meraki access points. This feature is not found in the CUCM 14 base release, as that version was released prior to development of this feature. Upgrades from this SU to any CUCM 14 versions lower than 14SU1 are not allowed and will not be displayed as valid upgrade options. Customers migrating from this SU should choose 14SU1 or higher as their target upgrade.

Related Documentation

To view documentation that supports Cisco Unified CM Release 12.5(x), go to:

https://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/products-documentation-roadmaps-list.html

Before You Begin

Before you upgrade the software version of Cisco Unified Communications Manager, verify your current software version.

To do that, open Cisco Unified Communications Manager Administration. The following information displays:

Cisco Unified CM Administration System version: x.x.x

Installation Instructions

> **Note** Apply this SU to all of your Cisco Unified Communications Manager servers, beginning with the publisher server and TFTP server

Refer to the *Upgrade and Migration Guide for Cisco Unified Communications Manager and IM and Presence Service, Release 12.5(1)* for detailed information about doing this upgrade:

https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/upgrade/12_5_1/cucm_b_upgrade-migration-guide-125x.html

> **Note** Because the 12.5.1.16900-48 build is a non-bootable ISO, it proves useful only for upgrades. You cannot use it for new installations. You may however install with the base version 12.5.1.10000-22 and apply 12.5.1.16900-48 as a patch during the installation.

Release 12.5(1)SU6 is available in both restricted (which is the release type that has always been available from Cisco) and unrestricted versions of software to comply with import / export restrictions to various countries. The unrestricted version is available in limited markets. Please refer to the "Export Restricted and Export Unrestricted Software" section in the **Understanding Upgrades and Migrations** chapter, of the *Upgrade and Migration Guide for Cisco Unified Communications Manager and the IM and Presence Service, Release 12.5(1)* referenced above, for a more detailed description.

> **Note** Once installed, UNRST releases can never be converted or upgraded to releases which support full encryption capabilities

The file names and hash values you will use for this upgrade are:

Table 1: Restricted ISO Names and Checksum Values

ISO Name:	UCSInstall_UCOS_12.5.1.16900-48.sha512.iso
MD5:	b769809e26965c1ace8299519266012a
SHA512:	e0248bfda35e240a7ffb40aba7a2c33e5aaf944b06b0c7d9008e71a2cc07dae0889980042221ad463f86f49f 2947c29192229556540090008c4e53b61f710281f

Table 2: UnRestricted ISO Names and Checksum Values

ISO Name:	UCSInstall_UCOS_UNRST_12.5.1.16900-48.sha512.iso
MD5:	3fb5b5e9f93c0032d838a867d6d6c886
SHA512:	b91ef9c7829bf8418080c80b34cb4392396ae496395ea3c3e9cf64025ddffe11c45a30dd39e497025770a53 10bc1424432d243581a645164013287f59cda9ae9

Reverting to a Previous Version

> **Note** Revert the SU on all servers in the cluster in the same order in which you performed the installation.

Refer to the "Switch to Previous Version" section in the **Upgrade Procedures** chapter at *Upgrade and Migration Guide for Cisco Unified Communications Manager and IM and Presence Service, Release 12.5(1)* for detailed instructions on "Reverting to a Previous Version."

https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/upgrade/12_5_1/cucm_b_ upgrade-migration-guide-125x.html

Caveats

Caveats describe unexpected behavior on a Cisco Unified Communications server. The following sections contain lists and descriptions of resolved and open caveats in this release.

Resolved Caveats

Resolved Caveats for Cisco Unified Communications Manager Release 12.5(1)SU6 describes possible unexpected behaviors in previous Cisco Unified Communications Manager 12.5(1) releases.

Resolved CUCM Caveats in 12.5(1)SU6 (everything fixed in SU6 since SU5)
Click Here for the list

Cumulative Resolved CUCM Caveats (everything fixed in all SU's since base 12.5(1))
Click Here for the list

Open Caveats

Open Caveats for Cisco Unified Communications Manager Release 12.5(1)SU6 describes a few of the possible unexpected behaviors still remaining in Cisco Unified Communications Manager Release 12.5(1)SU6.

Open CUCM Caveats in 12.5(1)SU6
CSCwb59217 - IDS: Replication Setup Fails When Pub and Sub Have Different but Similar FQDNs
CSCwa40670 - F15573: Not able to register more than 2000 Phones when using RSA 4096 cert key length

### CUCM Caveats 12.5.1 Complete List

For a complete list of caveats applicable to 12.5.1, use the following Bug Search Tool link:

https://bst.cloudapps.cisco.com/ bugsearch?pf=prdNm&sb=afr&kw=*&bt=custV&prdNam=Cisco%20Unified%20Communications%20Manager%20(CallManager)&rls=12.5(1.1

To determine the caveats that were open for a specific release, use the following steps (the screenshots below are from Excel for Mac, the Excel for Windows options are a little different but follow the same basic flow):
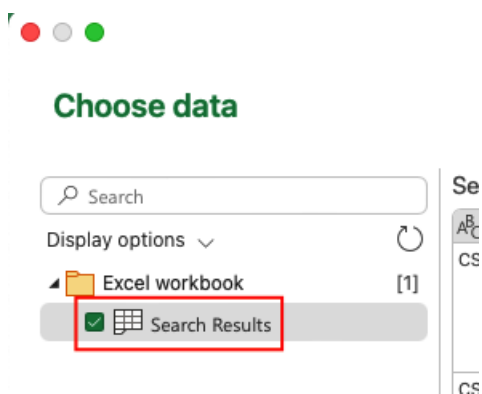
1. Click on the "Export Results to Excel" link

2. Open the downloaded file in Excel and Save As a .xlsx file

3. Open a blank Excel workbook

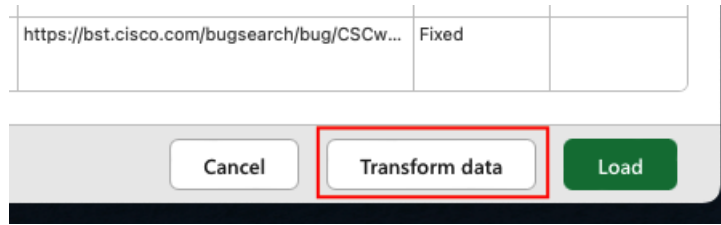4. Click on Data --> Get Data (Power Query)
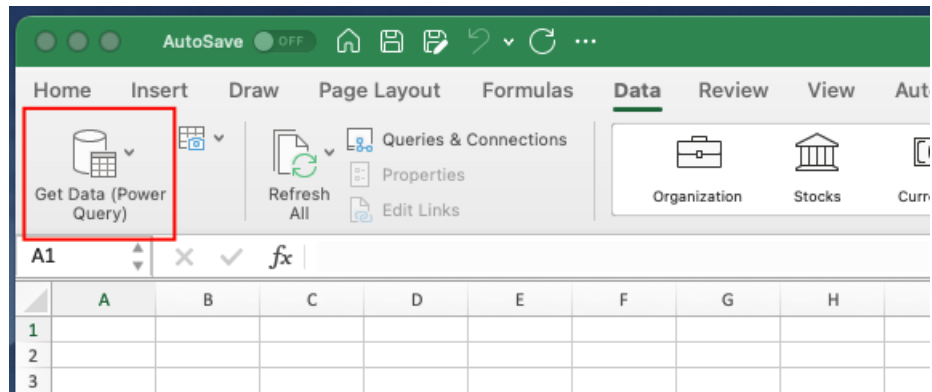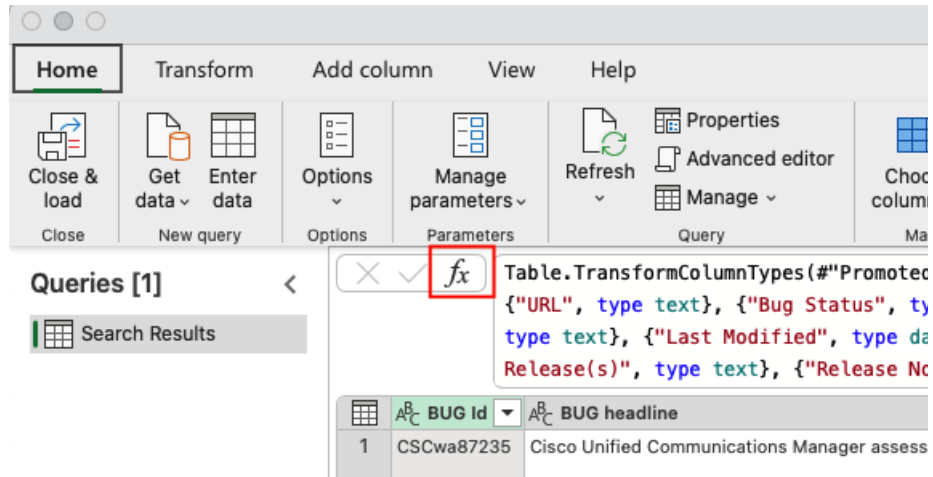

5. Choose "Excel workbook" as the source.
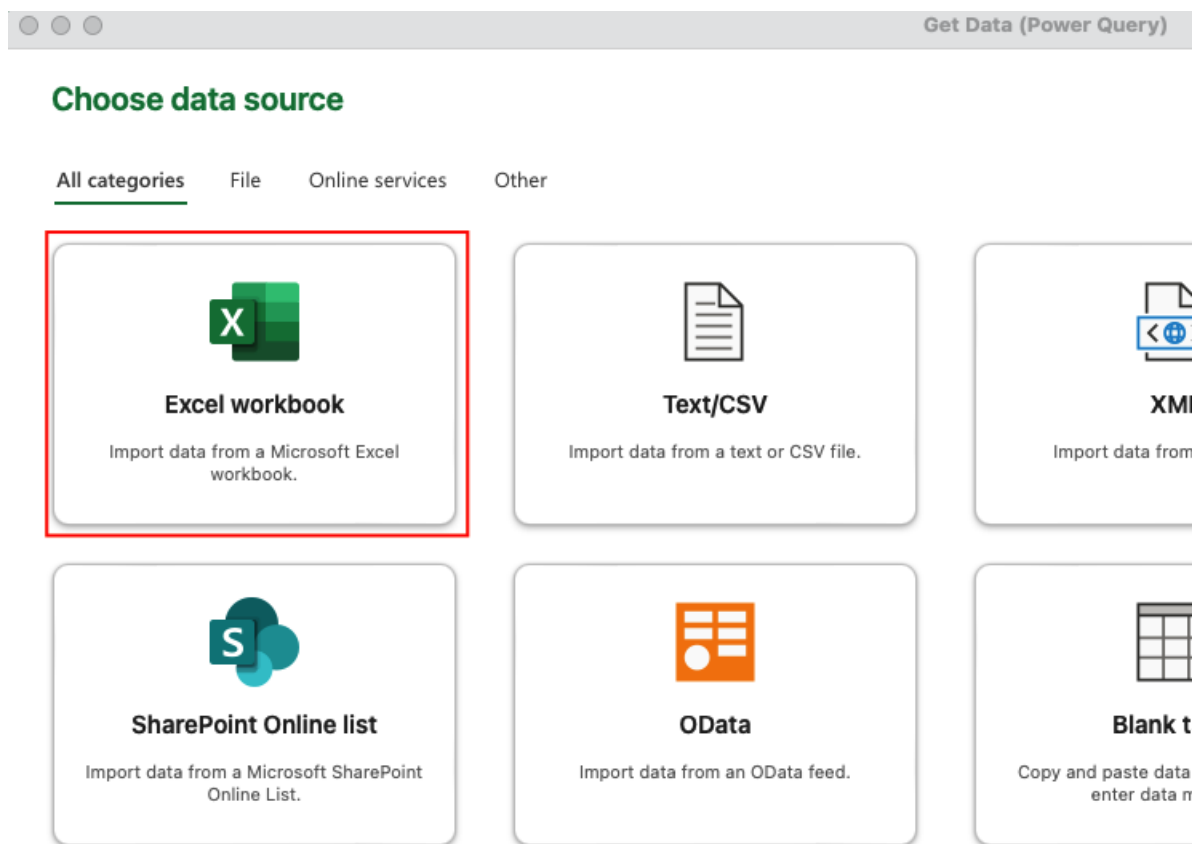
6. Click "Browse", select the .xlsx file saved previously, and click Next

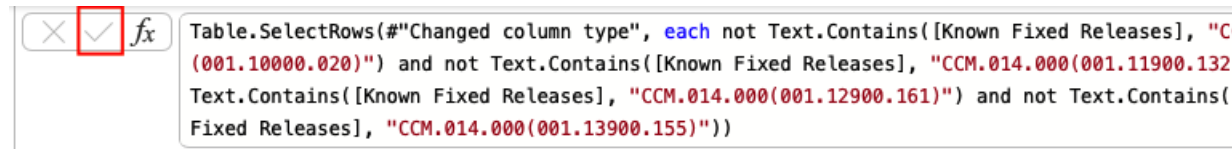7. Click the checkbox next to the Tab name (by default it will be Search Results)

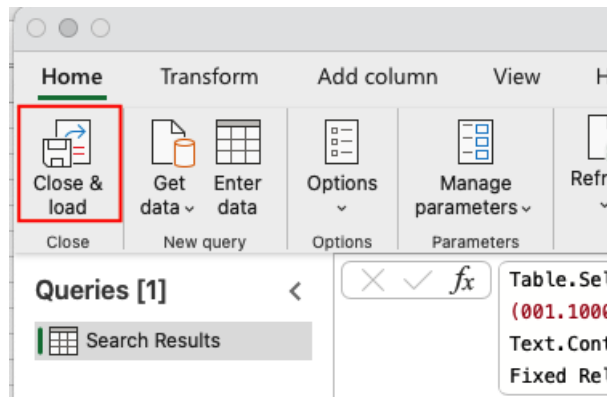8. Click on the "Transform Data" button

9. Click on the fx button to insert a new step

10. In the text box next to the fx button, paste the desired filter string (see below)

11. Click the check mark to apply the changes

12. Click the "Close and load" button

13. The results that are loaded into the Excel workbook will be all of the Open Caveats for that specific release

All SU6 Unresolved Caveats: To get a list of caveats that are applicable to 12.5(1) but are not fixed in SU6, use an Advanced Filter in Excel with an AND condition on the Known Fixed Releases column with the following values:

◇*CCM.012.005(001.10000.022)*
◇*CCM.012.005(001.11900.146)*
◇*CCM.012.005(001.12900.115)*
◇*CCM.012.005(001.13900.152)*
◇*CCM.012.005(001.14900.63)*
◇*CCM.012.005(001.15900.66)*
◇*CCM.012.005(001.16900.48)*

Security Advisory Caveats: To get a list of caveats that are applicable to Security Advisories or other security related issues, after filtering for a specific release using the examples above, an additional filter for the keyword PSIRT can be applied to the Release Note Enclosure column.

Firmware Versions

SUs contain firmware loads, however, Cisco recommends that you always download the latest firmware load from the Software Download Center.

Phone Firmware

To download phone firmware, follow this procedure:

1. Go to https://software.cisco.com/download/home

2. Click on Browse All

3. Click on Collaboration Endpoints

4. Choose the desired Endpoint Type

5. Choose the desired Endpoint Model

Device Packages

To download phone firmware, follow this procedure:

1. Go to https://software.cisco.com/download/home

2. Click on Browse All

3. Click on Unified Communications

4. Click on Call Control

5. Click on Unified Communications Manager (CallManager)

6. Choose the desired UCM version

7. Click on the Device Packages link

Firmware Versions in this Release

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Device type                             Load name                     Version
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3905                    3905.9-4-1SR3                      9.4(1SR3.0)
3911_3951-sip           3911_3951-sip.8-1-4a               8.1(4.0)
6608                    6608-4.0.0.32-mgcp                 4.0(0.32)
6608cfb                 6608cfb-4.0.0.03-sccp              4.0(0.3)
6608mtp                 6608mtp-4.0.0.06-sccp              4.0(0.6)
6624                    6624-4.0.0.13-mgcp                 4.0(0.13)
6901-sccp               6901-sccp.9-3-1-SR2-2              9.3(1.0)
6901-sip                6901-sip.9-3-1-SR2-3               9.3(1.0)
6911-sccp               6911-sccp.9-3-1-SR2-3              9.3(1.0)
6911-sip                6911-sip.9-3-1-SR2-4               9.3(1.0)
6945-SCCP               6945-SCCP-9-4-1-3SR3               9.4(1.3)
6945-SIP                6945-SIP-9-4-1-3SR3                9.4(1.3)
69xx-SCCP               69xx-SCCP-9-4-1-3SR3               9.4(1.3)
69xx-SIP                69xx-SIP-9-4-1-3SR3                9.4(1.3)
7832-sip.14             7832-sip.14-1-1-0001-125.k4        14.1.1(0001.125)
78xx.14                 78xx.14-1-1-0001-136.k4            14.1.1(0001.136)
7911_7906-sccp          7911_7906-sccp.9-4-2SR3-1          9.4(2SR3.1)
7911_7906-sip           7911_7906-sip.9-4-2SR3-1           9.4(2SR3.1)
7914-sccp               7914-sccp.5-0-4                    5.0(4.0)
7915                    7915.1-0-4-2                       1.0(4.2)
7916                    7916.1-0-4-2                       1.0(4.2)
7925-sccp               7925-sccp.1-4-8SR1-5.k3            1.4(8SR1.5)
7926-sccp               7926-sccp.1-4-8SR1-5.k3            1.4(8SR1.5)
7931-sccp               7931-sccp.9-4-2SR2-2               9.4(2SR2.2)
7931-sip                7931-sip.9-4-2SR2-2                9.4(2SR2.2)
7936-sccp               7936-sccp.3-3-21                   3.3(21.0)
7937                    7937-1-4-5-7-SCCP                  1.4(5.7)
7940-7960               7940-7960-8.12.00-sip              8.12(00.0)
7940-7960-sccp          7940-7960-sccp.8-1-2SR2            8.1(2SR2.0)
7941_7961-sccp          7941_7961-sccp.9-4-2SR3-1          9.4(2SR3.1)
7941_7961-sip           7941_7961-sip.9-4-2SR3-1           9.4(2SR3.1)
7942_7962-sccp          7942_7962-sccp.9-4-2SR3-1          9.4(2SR3.1)
7942_7962-sip           7942_7962-sip.9-4-2SR3-1           9.4(2SR3.1)
7945_7965-sccp          7945_7965-sccp.9-4-2SR4            9.4(2SR4.0)
7945_7965-sip           7945_7965-sip.9-4-2SR4-3           9.4(2SR4.3)
7975-sccp               7975-sccp.9-4-2SR4                 9.4(2SR4.0)
7975-sip                7975-sip.9-4-2SR4                  9.4(2SR4.0)
7985                    7985-4-1-7-0-sccp                  4.1(7.0)
8821-sip                8821-sip.11-0-6SR2-4.k4            11.0(6SR2.4)
8831-sip                8831-sip.10-3-1SR7-2               10.3(1SR7.2)
8832-sip.14             8832-sip.14-1-1-0001-125.k4        14.1.1(0001.125)
8845_65-sip.14          8845_65-sip.14-1-1-0001-125.k4     14.1.1(0001.125)
88xx-sip.14             88xx-sip.14-1-1-0001-125.k4        14.1.1(0001.125)
894x-sccp               894x-sccp.9-4-2SR3-1               9.4(2SR3.1)
894x-sip                894x-sip.9-4-2SR3-1                9.4(2SR3.1)
8961                    8961.9-4-2SR4-1.k3                 9.4(2SR4.1)
9951                    9951.9-4-2SR4-1.k3                 9.4(2SR4.1)
9971                    9971.9-4-2SR4-1.k3                 9.4(2SR4.1)
ata                     ata-3.2.4-sccp                     3.2(4.0)
ata187                  ata187.9-2-3-1                     9.2(3.1)
ata190                  ata190.1-2-2-003                   1.2(2.3)
ATA191.12               ATA191.12-0-1-0405-005             0.1(0405.5)
headset-builtin         headset-builtin.2-3-0001-17.k4     2.3(0001.17)

Plug-in Report
----------------------------------------
cm-rtmt-client-plugin-12.5.0.0-0.i386.rpm
cm-axlsqltoolkit-plugin-1.1.0.0-1.i386.rpm
cm-jtapi-plugin-12.5.1.16900-1.i386.rpm
cm-taps-plugin-7.0.2.0-1.i386.rpm
cm-tsp-plugin-12.5.1.9-0.i386.rpm
cm-ctlc-plugin-6.0.0.1-1.i386.rpm

TZDATA file                             Version
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platform-tzdata-2021c-1.el7.noarch.rpm    2021-c
```