



## New and Changed Information

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This chapter describes new and changed JTAPI information for this release of Cisco Unified Communications Manager and features supported in the previous releases.

For more information, go to the Programming Guides website at

[http://www.cisco.com/en/US/products/sw/voicesw/ps556/products\\_programming\\_reference\\_guides\\_list.html](http://www.cisco.com/en/US/products/sw/voicesw/ps556/products_programming_reference_guides_list.html).

- [Cisco Unified Communications Manager Release 15, on page 1](#)
- [Cisco Unified Communications Manager Release 14SU2, on page 1](#)
- [Cisco Unified Communications Manager Release 12.5\(1\), on page 2](#)
- [Cisco Unified Communications Manager, Release 11.5\(1\), on page 2](#)
- [Cisco Unified Communications Manager, Release 11.0\(1\), on page 2](#)
- [Cisco Unified Communications Manager Release 10.5\(2\), on page 3](#)
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## Cisco Unified Communications Manager Release 15

There are no new or changed JTAPI specifications for Unified Communications Manager Release 15.

## Cisco Unified Communications Manager Release 14SU2

This section contains information about the new and changed features for Unified Communications Manager Release 14SU2:

## FIPS Compliance

# Cisco Unified Communications Manager Release 12.5(1)

This section contains information about the new and changed features for Cisco Unified Communications Manager, Release 12.5(1):

- [Call Recording for SIP or TLS Authenticated Calls](#)
- [Multi-fork Recording using CUBE Media Proxy Server](#)
- Linux and Windows installation procedure is updated in *Installing the Cisco Unified JTAPI Software* section.

# Cisco Unified Communications Manager, Release 11.5(1)

This section contains information about the new and changed features for Cisco Unified Communications Manager, Release 11.5(1):

- [Hunt Log Status](#)
- [End to End Session ID for Calls](#)
- [Redirect to Device](#)
- [SHA-512 Support for Digital Signatures](#)

Starting from **Release 11.5(1)SU9** and any subsequent SU or ES releases in this release train, the Cisco JTAPI Plugin follows installer less approach. You must have JRE installed on the system before the installation. The installation runs in the command prompt and does not have a GUI. Also, the same will not be listed in the software installed list of Windows Control Panel.



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**Note** Cisco Spark Device has been added as a new device type for this release of Unified Communications Manager and may appear in the user's control list. However, Cisco Spark Device is not a supported device for this release of Cisco Unified JTAPI.

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# Cisco Unified Communications Manager, Release 11.0(1)

This section contains information about the new and changed features for Cisco Unified Communications Manager, Release 11.0(1).

- [Default CTI IP Addressing for Devices](#)
- [Ringback on SIP 183 for Transferred Calls](#)

## Cisco Unified Communications Manager Release 10.5(2)

This section contains the new and changed features for Cisco Unified Communications Manager release 10.5(2):

- [AES 256 Algorithm IDs](#)

## Cisco Unified Communications Manager Release 10.0(1)

This section describes the new and changed features in Cisco Unified Communications Manager Release 10.0(1):

- [CTI RD Call Forward](#)
- [CTI Video Support](#)
- [Encryption Enhancement](#)
- [Mobility Interaction Support](#)
- [NuRD \(Number Matching for Remote Destination\) Support](#)
- [Play Announcement](#)
- [Persistent Connection](#)
- [SSO Cookie](#)
- [Recording](#)
- [Verify Remote Destination Support](#)
- [Video Capabilities and Multi-Media Information](#)
- [Video On Hold Support](#)

## Cisco Unified Communications Manager Release 9.0(1)

This section describes the new and changed features in Cisco Unified Communications Manager release 9.0(1):

- [Cius Persistency](#)
- [CTI Remote Device for JTAPI](#)
- [E911 Teleworker](#)
- [Hunt List Connected Number](#)
- [Native Queuing](#)
- [URI Dialing](#)

## Cisco Unified Communications Manager Release 8.6(1)

This section describes the new and changed features in Cisco Unified Communications Manager release 8.6(1):

- [Account Lockout](#)
- [EnergyWise Deep Sleep Mode](#)
- [FIPS Compliance](#)
- [Password Expiry](#)
- New JTAPI x64 client for 64-bit operating systems.

## Cisco Unified Communications Manager Release 8.5(1)

This section describes the new and changed features in Cisco Unified Communications Manager release 8.5(1):

- [Agent Greeting](#)
- [API for Exposing Built-In-Bridge Status](#)
- [Play Zip Tone](#)
- [Single Sign-On](#)
- [Support for VMware](#)

## Cisco Unified Communications Manager Release 8.0(1)

This section describes the new and changed features in Cisco Unified Communications Manager release 8.0(1):

- [Call Control Discovery](#)
- [Call Pickup](#)
- [CallFwdAll Key Press Notification](#)
- [End to End Call Tracing](#)
- [Extension Mobility Cross Cluster](#)
- [External Call Control](#)
- [Hunt List](#)
- [iSac Codec](#)
- [Secured Monitoring and Recording](#)
- [Support for Cisco Unified IP Phone 6901](#)
- [Support for 100+ Directory Numbers](#)
- [Support for VMware](#)
- [Verification Involving PSTN Reachability](#)

## Cisco Unified Communications Manager Release 7.1(3)

This section describes the new and changed features in Cisco Unified Communications Manager release 7.1(3):

- [Terminal and Address Capability Settings](#).

## Cisco Unified Communications Manager Release 7.1(2)

This section describes the new and changed features in Cisco Unified Communications Manager release 7.1(2):

- [Component Updater](#)
- [Direct Transfer Across Lines](#)
- [Drop Any Party](#)
- [IPv6 Support](#)
- [Join Across Lines or Connected Conference Across Lines](#)
- [Logical Partitioning](#)
- [Message Waiting Indicator Enhancement](#)
- [Park Monitoring and Assisted DPark Support](#)
- [Swap or Cancel and Transfer or Conference Behavior](#)

## Cisco Unified Communications Manager Release 7.0(1)

This section describes the new and changed features in Cisco Unified Communications Manager from release 6.1 to release 7.0(1) and Cisco Unified JTAPI enhancements. It has the following sections:

- [Call Pickup](#)
- [Calling Party Normalization](#)
- [Click to Conference](#)
- [Do Not Disturb-Reject](#)
- [Extension Mobility Username Login](#)
- [Java Socket Connect Timeout](#)
- [Join Across Lines with Conference Enhancements \(SCCP and SIP\)](#)
- [Locale Infrastructure Development](#)
- [selectRoute\(\) with Calling Search Space and Feature Priority](#)



**Note** Cisco Unified Communications Manager release 7.0(1) does not support the following IPv6 related methods:

canSupportIPv6()  
 setProviderOpenRetryAttempts (int retryAttempts)  
 getProviderOpenRetryAttempts()  
 getIPAddressingMode() (*available on CiscoMediaTerminal and CiscoRouteTerminal interfaces*)  
 register(java.net.InetAddress address, int port, CiscoMediaCapability [] capabilities, int[] algorithmIDs, java.net.InetAddress address\_v6, int activeAddressingMode)  
 register(CiscoMediaCapability [] capabilities, int[] int registration Type, int[] algorithmIDs, int activeAddressingMode)  
 getTerminals() (*available on new interface CiscoProviderTermCapabilityChangedEv*)  
 getAddressingModeForMedia()  
 getCallingPartyIpAddr\_v6() (*available on CiscoCallCtlConnOfferedEv and CiscoRouteEvent interfaces*)  
 CTIERR\_IPADDRMODEMISMATCH  
 CTIERR\_DYNREG\_IPADDRMODE\_MISMATCH  
 hasIPv6CapabilityChanged()  
 CiscoTerminal.IP\_ADDRESSING\_MODE\_IPv4  
 CiscoTerminal.IP\_ADDRESSING\_MODE\_IPv6  
 CiscoTerminal.IP\_ADDRESSING\_MODE\_IPv4\_v6  
 CiscoTerminal.IP\_ADDRESSING\_MODE\_Unknown  
 CiscoTermRegistrationFailedEv.IP\_ADDRESSING\_MODE\_MISMATCH



**Note** For the features, Join Across Lines, Do Not Disturb-Reject, and Calling Party Normalization, each Cisco JTAPI must be upgraded to a version that supports these features. Additionally, if you are upgrading from release 5.1 and you use Join Across Lines, the Conference Chaining feature must not be enabled or used until all applications are either upgraded to a version compatible with the new unified CM version. Also, you should verify that the applications are not impacted by the Conference Chaining feature.

## Cisco Unified Communications Manager Release 6.1

This section describes the new and changed features in Cisco Unified Communications Manager from release 6.0 to release 6.1 and Cisco Unified JTAPI enhancements. It has the following sections:

- [Certificate Download API Enhancement](#)
- [Intercom Support for Extension Mobility](#)
- [Join Across Lines](#)

## Cisco Unified Communications Manager Release 6.0

This section describes the new and changed features in Cisco Unified Communications Manager, release 6.0 and Cisco Unified JTAPI enhancements. It has the following sections:

- [Arabic and Hebrew Language Support](#)
- [Calling Party IP Address](#)
- [CiscoRTPHandle Interface on Cisco RTP Events](#)
- [Cisco Unified IP 7931G Phone Interaction](#)
- [Conference Chaining](#)
- [Directed Call Park](#)
- [Do Not Disturb](#)
- [Forwarding on No Bandwidth and Unregistered DN](#)
- [Hold Reversion](#)
- [Intercom](#)
- [Multilevel Precedence and Preemption Support](#)
- [Noncontroller Adding of Parties to Conferences](#)
- [Silent Monitoring](#)
- [Secure Conferencing](#)
- [Translation Pattern Support](#)
- [Version Format Change](#)
- [Voice MailBox Support](#)

## Cisco Unified Communications Manager Release 5.1

This section describes the new and changed features in Cisco Unified Communications Manager, from release 5.0 to release 5.1 and Cisco Unified JTAPI enhancements. It has the following sections:

- [Call Forward Override](#)
- [Join Across Lines \(Only SCCP\)](#)
- [New Error Code in CiscoTermRegistrationFailedEv](#)
- [Star \(\\*\) 50 Update](#)

# Cisco Unified Communications Manager Release 5.0

This section describes the new and changed features in Unified Communications Manager, from release 4.x to release 5.0 and Cisco Unified JTAPI enhancements. It has the following:

- [Auto Updater for Linux](#)
- [Call Select Status](#)
- [Command Line Invocation](#)
- [Hairpin Support](#)
- [Half-Duplex Media Support](#)
- [JRE 1.2 and JRE 1.3 Support Removal](#)
- [JTAPI Version Information](#)
- [Network Alerting](#)
- [Partition Support](#)
- [QoS Support](#)
- [Secure Real-Time Protocol Key Material](#)
- [SIP 3XX Redirection](#)
- [SIP REFER or REPLACE](#)
- [SIP Phone Support](#)
- [Superprovider and Change Notification](#)
- [Terminal and Address Restrictions](#)
- [Transport Layer Security \(TLS\)](#)
- [Unicode Support](#)