



Release Notes for Cisco Contact Center Enterprise Solutions Release 12.6(1)

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CONTENTS

CHAPTER 1

Introduction 1

- Release Notes for Contact Center Enterprise Solutions 1
- Cisco Security Advisories 1
- Contact Center Enterprise Software Release Delivery Model 1
- Multi-server SAN Certificates 2

CHAPTER 2

Contact Center Enterprise Solutions 3

- New Features 3
 - Authentication for Reverse-Proxy Connections (ES02 Update) 4
 - Configurable Reverse-Proxy Host Verification (ES03 Update) 4
 - VPN-less Access to Finesse Desktop (For Agents and Supervisors) 4
- Agent Answers 5
- Edge Chromium Browser Support 6
- Simplified Upgrade 6
- Graceful Shutdown 7
- AppDynamics Native Integration with CCE 7
- Support for 36000 Agents 7
- Custom Truststore to Store Component Certificates 8
- vMotion 8
- Dual Platform Support 9
- ECDSA Certificates 9
- Webex Workforce Optimization (WFO) Support with Contact Center Enterprise (CCE) Solutions 9
- Updated Features 10
 - Webex Experience Management Integration with Post Call Survey 10
 - Increased PG Agent Capacity for Mobile Agents 11
 - SMS and Email Survey after Voice 11

- Non-Production System (NPS) 12
- Database Schema Changes 12
- Password Hashing 13
- Diagnostic Framework Portico 13
- Enhanced Database Migration Tool (EDMT) Support 13
- Enable or Disable Outbound Dialer from Redialing Failed Personal Callbacks (ES65 Update) 14
- Inactivity Timer 14
- Important Notes 14
- IdS Upgrade 14
- OpenJDK Java Runtime Update 14
- SQL Server Execution Plan Issue 15
- Tomcat Utility Changes 15
- Deprecated Features 15
- Removed and Unsupported Features 16
- Third Party Software Impacts 17

CHAPTER 3

- Cisco Unified Customer Voice Portal 19**
 - New Features 19
 - Edge Chromium Browser Support 19
 - Virtual Agent–Voice: Onboarding for OEM Customers 19
 - Virtual Agent–Voice for Dialogflow CX 19
 - Removed and Unsupported Features 20
 - Important Notes 21
 - OpenJDK Java Runtime Environment Update 21
 - Password Hashing 21

CHAPTER 4

- Cisco Unified Intelligence Center 23**
 - New Features 23
 - Accessibility Compliance 23
 - Custom Logon Messages 23
 - Edge Chromium Browser Support 23
 - Maximum Session Count 23
 - Commands 24
 - Updated Features 24

SMTP Settings	24
All Users Group Access	24
Important Notes	25
Deprecated Features	25
Removed and Unsupported Features	25
Third Party Software Impact	26

CHAPTER 5
Cisco Finesse 27

New Features	27
Locked Out Users (ES02 Update)	27
Desktop Interface APIs (ES02 Update)	27
Agent Device Selection	27
Edge Chromium Browser Support	28
Agent PG Maintenance Mode	28
Finesse Maintenance Mode	28
Multi-Tab Gadgets	29
Agent Answers	29
Custom Logon Messages	29
Change IP Address and Hostname	30
Supported Content Security Policy Directives	30
Set Commands	30
REST APIs	31
Restricting Access to the External XMPP Notification Port 5223	32
Updated Features	32
Reports (ES02 Update)	32
Drop Participants from Conference	32
Dual-Tone Multi-Frequency (DTMF) Updates	32
Changes in REST APIs	33
Changes in JavaScript APIs	34
Serviceability Improvements	34
Connected Agents Gadget	34
Important Notes	35
Deprecated Features	35
Removed and Unsupported Features	36

Third Party Software Impacts 36

CHAPTER 6

Cisco Enterprise Chat and Email 37

New Features 37

Support for 2500 Concurrent Agents and Reduced Application and Web Servers for Fully Distributed Model 37

Decoupled ECE Login/Logout of SSO Agents From Finesse 38

New Settings for Auto-Completion of Real-Time and Asynchronous Chat Activities 38

Platform 38

Simplified Administration Console 38

New Administrator Privileges 39

Chat Throttling 40

Audit Reporting for Administration Actions 40

Aria Chat Template 41

Support for Grammarly in the Agent Gadget 41

APIs 41

Routing 42

Updated Features 43

Administration 43

Agent Gadgets 44

Platform 44

Outlook Rest API v2.0 Email Support 45

Reports Console 45

Important Notes 45

Deprecated Features 46

Removed and Unsupported Features 46

CHAPTER 7

Cisco Unified Contact Center Management Portal 49

New Features 49

Updated Features 49

Platform—Infrastructure 49

Agent Desk Settings Enhancements 49

Agent Assist Services Enhancements 49

Call Manager Provisioning Enhancements 50

Deletion of Unified CCE Resources Referenced in Scripts	50
Supported Browsers	50
Improved Version Information for Application	50
Deprecated Features	50

CHAPTER 8**Cisco Unified Contact Center Domain Manager 51**

New Features	51
Updated Features	51
Platform—Infrastructure	51
Agent Desk Settings Enhancements	51
Agent Assist Services Enhancements	51
Call Manager Provisioning Enhancements	52
Deletion of Unified CCE Resources Referenced in Scripts	52
Supported Browsers	52
Improved Version Information for Application	52
Deprecated Features	52

CHAPTER 9**Webex Workforce Optimization 53**

New Features	53
WFM - Intraday Re-forecasting	53
New Media Player Interface	53
WFM - New Forecasts Viewing Page	54
Manage Workflow Control Sets on the Web	54
Expanded Language Support in Webex WFO Analytics	54
WFM Agent Assist	55
Enhanced Live Screen Monitoring	55
Coaching Effectiveness Dashboard in Performance Management	55
WFM with Trending Topics	56
Vacation Planner Pro	56
Insights Data Export Service	57
Performance Management	57
Tenant-Specific URL	58
Plans	58
Advanced Sentiment	59

- New WFM Datasets and Dashboards Available in Insights 59
- Contact Queue Enhancements 60
- Absence and Attributes 60
- Basic WFM and QM Offerings 60
- Enterprise Analytics 61
- Activity Requests 61
- Periodization of Agent's Work Hours 62
- New Transcription Engine Now Live 62
- Insights 63
 - Improve Workforce Efficiency using Webex WFO Notifications 63
 - Introducing Sessions for Streamlined Scheduling and Enhanced Agent Management 64
 - Global Language Support for Phrase Categories 65
 - Bulk Interaction Tool for Deletion and Updates 65
 - Bulk Transfer User Data 65
- Updated Features 66
 - Sessions for Streamlined Scheduling and Enhanced Agent Management 66
- Deprecated Features 66
- Removed and Unsupported Features 66

CHAPTER 10

- Caveats and Limitations 71**
 - Caveat Queries by Product 71
 - Bug Search Tool 71
 - Severity 3 or Higher Caveats for Release 12.6(1) 72



CHAPTER 1

Introduction

- [Release Notes for Contact Center Enterprise Solutions](#), on page 1
- [Cisco Security Advisories](#), on page 1
- [Contact Center Enterprise Software Release Delivery Model](#), on page 1
- [Multi-server SAN Certificates](#), on page 2

Release Notes for Contact Center Enterprise Solutions

These release notes describe new and updated features and other changes for Release of the following contact center solutions and their components:

- Cisco Unified Contact Center Enterprise
- Cisco Packaged Contact Center Enterprise

Information in this document applies to the contact center solutions listed above, except where otherwise noted.

Cisco Security Advisories

The Cisco Product Security Incident Response Team (PSIRT) is a dedicated, global team that manages the receipt, investigation, and public reporting of security vulnerability information that relates to Cisco products and networks.

For information on existing security issues, see *Cisco Security Advisories, Responses, and Alerts* at <https://tools.cisco.com/security/center/publicationListing.x>.

Contact Center Enterprise Software Release Delivery Model

Cisco introduces a new software release delivery model for Contact Center Enterprise products. Contact Center Enterprise issues two types of releases:

- Long Term Release (LTR)
- Dynamic Release (DR)

We recommend the LTR delivery model if you prefer infrequent upgrade cycles over faster adoption of new features. This model includes support for bug fixes through engineering specials.

We recommend the DR delivery model if you want faster feature adoption. With this model, both new feature and bug fixes are delivered through engineering specials and maintenance releases. This model also offers simplified patch upgrades through automated notification, orchestrated patch application, and minimal downtime.

For more information about the new delivery models, see the product bulletin [Cisco's Contact Center Enterprise Software Release and Sustaining Lifecycle](#).

Release 12.6 is a dynamic release and will follow the sustaining process as outlined in this product bulletin.

Multi-server SAN Certificates

Multi-server Subject Alternate Name (SAN) certificates are supported by the following solution components: Cisco Finesse, Cisco Unified Intelligence Center (CUIC), Live Data, IdS, and Cisco Virtualized Voice Browser (VVB).

For more information, see [Configuration of CA-Signed Multi-Server Subject Alternate Name in CVOS Systems](#).



CHAPTER 2

Contact Center Enterprise Solutions

- [New Features](#), on page 3
- [Updated Features](#), on page 10
- [Important Notes](#), on page 14
- [Deprecated Features](#), on page 15
- [Removed and Unsupported Features](#), on page 16
- [Third Party Software Impacts](#), on page 17

New Features

The following table lists the new features available for each Contact Center Enterprise solution in Release 12.6(1).

Table 1: New Features for Contact Center Enterprise Solutions

Feature	Unified CCE	Packaged CCE
VPN-less Access to Finesse Desktop (For Agents and Supervisors) , on page 4	Yes	Yes
Agent Answers , on page 5	Yes	Yes
Edge Chromium Browser Support , on page 6	Yes	Yes
Simplified Upgrade , on page 6	Yes	Yes
Graceful Shutdown , on page 7	Yes	Yes
AppDynamics Native Integration with CCE , on page 7	Yes	Yes
Support for 36000 Agents , on page 7	Yes	
Custom Truststore to Store Component Certificates , on page 8	Yes	Yes

Feature	Unified CCE	Packaged CCE
vMotion, on page 8	Yes	Yes
Dual Platform Support, on page 9	Yes	Yes
ECDSA Certificates, on page 9	Yes	Yes
WFO Support	Yes	Yes

Authentication for Reverse-Proxy Connections (ES02 Update)

Finesse introduces authentication at the edge for the reverse-proxy. Authentication is supported for both SSO and Non-SSO deployments. Authentication is enforced for all requests and protocols that are accepted at the proxy before they are forwarded to the respective component servers (Finesse, IdS, CUIC, and IdP). The component servers also enforce authentication locally. All authentications made at the proxy use the Finesse login credentials, irrespective of the component server to which the requests are made. For more information on authentication, see the **Authentication** topic under the **VPN-Less Access to Finesse Desktop** section in the [Cisco Unified Contact Center Enterprise Features Guide](#). For complete list of enhancements to the VPN-Less configuration, refer to the [Nginx TechNote article](#).

Configurable Reverse-Proxy Host Verification (ES03 Update)

You can enable and disable SSL certificate verification for connections that are established from reverse-proxy hosts to Cisco Web Proxy Service by using the **utils system reverse-proxy client-auth** CLI command. For more information about reverse-proxy host authentication see the **Configure Reverse-Proxy Host Authentication** section in [Cisco Unified Contact Center Enterprise Features Guide](#).

VPN-less Access to Finesse Desktop (For Agents and Supervisors)

This feature provides the flexibility for agents and supervisors to access the Finesse desktop from anywhere through the Internet without requiring VPN connectivity to the enterprise data center. To enable this feature, a reverse-proxy pair must be deployed in the DMZ. For more information on this feature, see the [Cisco Unified Contact Center Enterprise Features Guide, Release 12.6\(1\)](#) and [Security Guide for Cisco Unified ICM/Contact Center Enterprise, Release 12.6\(1\)](#).

Media access remains unchanged in reverse-proxy deployments. To connect to the media, agents and supervisors can use Cisco Jabber over MRA or the Mobile Agent capability of Contact Center Enterprise with a PSTN or mobile endpoint.

To use VPN-less access to Finesse desktop, you must upgrade Finesse, IdS, and CUIC to Release 12.6(1) ES02 or above. If you are using Unified CCE 12.6(1), you must upgrade Live Data to 12.6(1) ES02 or above. You can access the 12.6(1) ES03 Release and Readme from the following locations:

- [Finesse 12.6\(1\) ES](#)
- [CUIC/LD/IdS 12.6\(1\) ES](#)

**Note**

- For Nginx-based reverse-proxy rules, installation, configuration, and security hardening instructions, refer to the [Nginx TechNote article](#). Any reverse-proxy supporting the required criteria (as mentioned in the **Reverse-Proxy Selection Criteria** section of [Cisco Unified Contact Center Enterprise Features Guide, Release 12.6\(1\)](#)) can be used in place of Nginx for supporting this feature.
- If CORS status is "enabled", you must explicitly add the reverse-proxy domain name to the list of CORS trusted domain names.

Agent Answers

Unified CCE leverages Artificial Intelligence (AI) and Natural Language Understanding (NLU) to provide services that assist agents. These Contact Center AI services are available for the agents through the Agent Answers gadget and the Call Transcript gadget on the Cisco Finesse desktop.

The Agent Answers gadget displays relevant suggestions and recommendations in real time for the agent to consider. The suggestions and recommendations are based on the ongoing conversation between the caller and the agent. Agent Answers enhances the customer experience because the timely suggestions improve the ability of the agent to respond.

The Call Transcript gadget dynamically converts the ongoing voice conversation to text and presents the text to an agent for real-time viewing and reference.

For details on how to configure the Agent Answers and Call Transcription features, see the *Agent Answers* and the *Call Transcription* chapters in the following documents:

- *Cisco Unified Contact Center Enterprise Features Guide, Release 12.6(1)* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-feature-guides-list.html>
- *Cisco Packaged Contact Center Enterprise Features Guide, Release 12.6(1)* at <https://www.cisco.com/c/en/us/support/customer-collaboration/packaged-contact-center-enterprise/products-maintenance-guides-list.html>

For information on the design considerations of the Agent Answers and Call Transcription features, see the *Contact Center AI Services Considerations* section in following documents:

- *Solution Design Guide for Cisco Unified Contact Center Enterprise, Release 12.6(1)* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-implementation-design-guides-list.html>
- *Solution Design Guide for Cisco Packaged Contact Center Enterprise, Release 12.6* at <https://www.cisco.com/c/en/us/support/customer-collaboration/packaged-contact-center-enterprise/products-technical-reference-list.html>

**Note**

To enable Agent Answers or Call Transcript features, ensure your Cisco Unified CVP is on 12.6(1) ES 06, Cisco Finesse is on 12.6(1) ES 01, and Cloud Connect is on 12.6.

Edge Chromium Browser Support

This release supports Edge Chromium (Microsoft Edge) . For more information, see the *Supported Browsers* section in the *Contact Center Enterprise Solution Compatibility Matrix* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-device-support-tables-list.html>.

Simplified Upgrade

The Orchestration feature provides partners and administrators an option to automatically download software updates and simplify the installation and rollback processes. Integration of Graceful Shutdown feature within the Orchestration framework ensures that the software updates are updated with minimal downtime. The Orchestration framework is built within the Cloud Connect server that connects to the Cisco-hosted cloud software repository. This framework provides the ability to check and download new software updates as and when they are available and notify the administrators via email about the new updates along with the release notes. Orchestration currently supports installation and rollback of Cisco Engineering Specials (ES), Service Updates (SU), Minor Releases (MR), and Microsoft Patches.

Cloud Connect server version 12.6(1) supports Orchestration in the following scenarios:

- CCE 12.5(x) ES, 12.6(x) ES and Windows Updates can be orchestrated from 12.6(x) Cloud Connect server
- CCE 12.5(1) to 12.5(2) or 12.6(1) software upgrade can be orchestrated from 12.6(x) Cloud Connect server



Note ICM 12.5(2) to 12.6(1) upgrade is not supported either manually or via orchestration.

Apply the mandatory patch on Cloud Connect to Orchestrate 12.5(2) ES and software upgrade.

The following are the known limitations:

- Orchestration is not supported for Tech Refresh and fresh install.
- Orchestration is not supported for Cisco Customer Collaboration Platform (CCP), Cisco Enterprise Chat and Email (ECE), Cisco Unified Contact Center Domain Manager (CCDM), Cisco Unified Contact Center Management Portal (CCMP), and non-Contact Center Cisco products such as Cisco Unified Communications Manager (CUCM), IM&P etc.
- The administrators should read the release notes specifically for ES releases that are notified via email to understand the dependency on each component. The Orchestration framework does not track this aspect automatically. For example, if an ES of Finesse has a dependency on an ES of Live Data and has to be installed in a specific order, then the administrator should consider this before initiating the patch installation from the Cloud Connect server.
- Only Microsoft Exchange Server is supported for email notification; Office 365 and Gmail are not supported as of now.



Note Orchestration is not supported for 12000, 24000, and 36000 agent deployment models.

Graceful Shutdown

Graceful shutdown allows you to perform firmware upgrades, apply security patches, and apply Engineering Specials (ES) without the need for a maintenance window. With this feature, active calls and sessions are transitioned over to secondary or redundant components before an upgrade process is initiated on the target system. Agent states, call states, and call context are maintained. Operations such as reskilling and changing an agent's team membership are not affected.

For more information, see the following documents:

- *Administration Guide for Cisco Unified Contact Center Enterprise* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-maintenance-guides-list.html>
- *Cisco Packaged Contact Center Enterprise Administration and Configuration Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/packaged-contact-center-enterprise/products-maintenance-guides-list.html>

AppDynamics Native Integration with CCE

For Cisco Contact Center Enterprise solution, it is important to have continuous and seamless monitoring of the deployed solution and automated alerting when anomalies are detected. AppDynamics provides a solution for application and platform performance monitoring that helps to achieve the following:

- Platform, application, and End User Monitoring (EUM) through dashboards and metrics.
- Automated alerting mechanism in case of anomaly detection.

For ordering and setting up AppDynamics SAAS controller, please contact appd_ucce_sales@cisco.com



Note For AppDynamics, CCE supports SaaS and On-Prem controller (version 21.4.10-24683) over secure connection only.

Support for 36000 Agents

You can modify your existing 24000 agent reference design to scale up to 36000 agents. This is accomplished by adding more peripheral VMs and peripheral gateways to the deployment and modifying specific configuration limits. You must also modify the OVA files for Live Data and Cisco Identity Service (IdS).

For more information about configuring your solution for 36000 agents, see the following documents:

- *Solution Design Guide for Cisco Unified Contact Center Enterprise* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-implementation-design-guides-list.html>

- *Solution Design Guide for Cisco Hosted Collaboration Solution for Contact Center* at <https://www.cisco.com/c/en/us/support/unified-communications/hosted-collaboration-solution-contact-center/products-implementation-design-guides-list.html>.

For more details, see the *Scale up to 36000 Agents* topic in the *Solution Design Guide for Cisco Unified Contact Center Enterprise* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-implementation-design-guides-list.html>

Custom Truststore to Store Component Certificates

Starting Unified CCE 12.6(x), a new custom truststore is created under the Unified ICM Installation directory `<ICM install directory>\ssl\cacerts` to store all the component certificates. With this new custom truststore, you don't need to export and import the certificates each time Java is updated in the system.

After upgrading from Unified CCE 12.5(x) to Unified CCE 12.6(x), you should export the certificates from the Java truststore to the custom truststore under the Unified ICM Installation directory `<ICM install directory>\ssl\cacerts`.

Export the certificate from the Java truststore:

- Run the command at the command prompt: `cd %JAVA_HOME%\bin.`



Important Use CCE_JAVA_HOME if upgrading from Unified CCE 12.5(1a) or Unified CCE 12.5(1) with ES55 (mandatory OpenJDK ES).

- Export the certificates of all the components imported into the truststore.

The command to export the certificates is `keytool -export -keystore <JRE path>\lib\security\cacerts -alias <alias of the component> -file <filepath>.cer`

- Enter the truststore password when prompted.

Import the certificate to the custom truststore:

- Run the command at the command prompt: `cd %CCE_JAVA_HOME%\bin.`

- Import the certificates for all the components that you exported from the Java truststore.

The command to import certificates is `keytool -import -keystore <ICM install directory>\ssl\cacerts -file <filepath>.cer -alias <alias>.`

- Enter the truststore password when prompted.
- Enter 'yes' when prompted to trust the certificate.

vMotion

Cisco Contact Center Enterprise solution components now support vMotion of live virtual machines (VMs) on Cisco Hyperflex servers. VMware vMotion enables the live migration of running VMs from one physical server to another with zero downtime, continuous service availability, and complete transaction integrity. vMotion is a key enabling technology for creating dynamic, automated, and self-optimizing data centers.

Dual Platform Support

Contact Center Enterprise (CCE) components supports the following platforms:

- Microsoft Windows Server 2016 and Microsoft SQL Server 2017
- Microsoft Windows Server 2019 and Microsoft SQL Server 2019



Note The cross combination of platforms is not supported. For example, Windows Server 2016 with SQL Server 2019 or Windows Server 2019 with SQL Server 2017 is not supported.

For more information, see the *Install Microsoft Windows Server* section in the Cisco Packaged Contact Center Enterprise Installation and Upgrade Guide at <https://www.cisco.com/c/en/us/support/customer-collaboration/packaged-contact-center-enterprise/products-installation-guides-list.html>

ECDSA Certificates

This release supports Elliptic Curve Digital Signature Algorithm (ECDSA) certificate, which can be enabled in Unified CCE, Cisco Unified CVP, Cisco Finesse, Cloud Connect, CUIC, Cisco VVB, Cisco IdS, and ECE.

For details on how to enable ECDSA, see *Enabling ECDSA for Unified CCE Solution* in *Security Guide for Cisco Unified ICM/Contact Center Enterprise* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-installation-and-configuration-guides-list.html>

To enable ECDSA certificate, the following solution components in the specified versions, and the respective Engineering Specials (ES) are required. You have to install the below ESes in the order listed:

- [Cloud Connect 12.6\(1\) ES1](#)
- [Cisco VVB 12.6\(1\) ES1](#)
- [Cisco CVP 12.6\(1\) ES6](#)
- [CUIC 12.6\(1\) ES1](#)
- [Cisco Finesse 12.6\(1\) ES1](#)
- [ICM 12.6\(1\) ES9](#)

Webex Workforce Optimization (WFO) Support with Contact Center Enterprise (CCE) Solutions

The Contact Center Enterprise (Unified CCE/Packaged CCE/Webex CCE) solutions supports the Webex Workforce Optimization offering. See <https://www.cisco.com/c/en/us/support/contact-center/webex-workforce-optimization/series.html>.

Updated Features

The following table lists the updated features available for each Contact Center Enterprise solution in Release 12.6(1).

Table 2: Updated Features for Contact Center Enterprise Solutions

Feature	Unified CCE	Packaged CCE
Webex Experience Management Integration with Post Call Survey, on page 10	Yes	Yes
SMS and Email Survey after Voice, on page 11	Yes	Yes
Non-Production System (NPS), on page 12	Yes	Yes
Database Schema Changes, on page 12	Yes	Yes
Password Hashing, on page 13	Yes	Yes
Diagnostic Framework Portico, on page 13	Yes	Yes
Increased PG Agent Capacity for Mobile Agents, on page 11	Yes	Yes
Enable or Disable Outbound Dialer from Redialing Failed Personal Callbacks (ES65 Update), on page 14	Yes	Yes
Inactivity Timer	Yes	Yes

Webex Experience Management Integration with Post Call Survey

The Voice surveys can be triggered through Webex Experience Management or by using the traditional Post Call Survey (using CVP IVR).

Webex Experience Management surveys use the same scripting and call flows as Post Call Survey, except that the Questionnaire is provided by the cloud-based Experience Management service. The Call Studio survey application, to be invoked, is configured in the router script that runs during the survey leg of the call, and is passed to the CVP through an ECC variable.

The Call Studio application fetches the questions from the Experience Management service, collects the answers from the caller, and submits them to the Experience Management service over REST APIs.

For more information on how to configure Experience Management, see the *Webex Experience Management Integration* chapter in the following documents:

- *Cisco Unified Contact Center Enterprise Features Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-feature-guides-list.html>
- *Cisco Packaged Contact Center Enterprise Features Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/packaged-contact-center-enterprise/products-maintenance-guides-list.html>

Experience Management is supported in all the deployment types. For more information on the call flow and design considerations, see the following documents:

- *Solution Design Guide for Cisco Unified Contact Center Enterprise* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-implementation-design-guides-list.html>
- *Solution Design Guide for Cisco Packaged Contact Center Enterprise* at <https://www.cisco.com/c/en/us/support/customer-collaboration/packaged-contact-center-enterprise/products-technical-reference-list.html>

Increased PG Agent Capacity for Mobile Agents

The mobile agent capacity on the PG are as follows:

- 2000 with nailed-up connections (1:1)
- 1500 with nailed-up connections if the average handle time is less than 3 minutes, or if agent greeting or whisper announcement features are used with the mobile agent (1.3:1)
- 1500 with call-by-call connections (1.3:1)

For more details, see the *PG Agent Capacity with Mobile Agents* section in the *Sizing and Operating Conditions for Reference Designs* chapter in the following documents:

- *Solution Design Guide for Cisco Unified Contact Center Enterprise, Release 12.6(1)* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-implementation-design-guides-list.html>
- *Solution Design Guide for Cisco Packaged Contact Center Enterprise, Release 12.6* at <https://www.cisco.com/c/en/us/support/customer-collaboration/packaged-contact-center-enterprise/products-technical-reference-list.html>

SMS and Email Survey after Voice

Cisco Webex Experience Management (referred to as Experience Management), introduced in 12.5(1), is a Customer Experience Management (CEM) solution that allows you to see your business from the perspective of your customers.

In 12.6(1), this feature is extended to SMS and Email. Customers can participate in surveys using the links sent over SMS or email. The survey results help the agents and the supervisors to offer more personalized and contextual experience to the customers.

Administrators can configure and customize the survey in the **Experience Management** console. The responses are displayed on the **Customer Experience Journey** gadget in the Finesse.

For more information, refer to the section *Webex Experience Management Integration* in the following documents:

- *Cisco Unified Contact Center Enterprise Features Guide, Release 12.6(1)* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-feature-guides-list.html>
- *Cisco Packaged Contact Center Enterprise Features Guide, Release 12.6(1)* at <https://www.cisco.com/c/en/us/support/customer-collaboration/packaged-contact-center-enterprise/products-maintenance-guides-list.html>

Non-Production System (NPS)

In this release, Non-Production System (NPS) usage mode is introduced to give you more control on license usage. With NPS, you can switch from production deployment to other deployment types such as lab, testing, and staging.

For more information, refer to the section *Smart Licensing* in one of the following documents:

- *Administration Guide for Cisco Unified Contact Center Enterprise* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-maintenance-guides-list.html>
- *Packaged Contact Center Enterprise Administration and Configuration Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/packaged-contact-center-enterprise/products-maintenance-guides-list.html>

Database Schema Changes

Unified CCE Database Schema Changes

This release introduces minor database schema changes. The release includes changes to these tables:

Table	Changes
Smart_License_Server	Added the following columns to the existing table. <ol style="list-style-type: none"> 1. UsageMode 2. SlrEnabled 3. SlrStatus
As part of Agent Answers added new tables: <ol style="list-style-type: none"> 1. Default_Configuration 2. Agent_Service_Enabled 	-
Call_Type	Added a new column called CCAIConfigParamter.
Termination_Call_Detail	Added the following columns to the existing table. <ol style="list-style-type: none"> 1. AgentAnswersEnabled 2. AgentTeamID
ICR_Globals	Added a new column called GlobalSecureFlag.

Password Hashing

This release includes a key security update which allows more secure hashing for agent and supervisor passwords in the non-SSO mode.

A Global switch is introduced in the **Manage Security** tab on Unified CCE Administration console to enforce SHA-256 hashing. When the switch is turned on, the MD5-based hashes are removed. The administrator must re-enter the passwords in the Unified CCE Administration console/Configuration Manager. Then the passwords are hashed with SHA-256 algorithm. For more information on how to enable or disable the global switch see one of the following documents:

- *Cisco Unified Contact Center Enterprise Developer Reference Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-programming-reference-guides-list.html>
- *Cisco Packaged Contact Center Enterprise Developer Reference Guide* at <https://d1nmyq4gcgsfi5.cloudfront.net/site/packaged-contact-center/documentation/>

Diagnostic Framework Portico

The Unified ICM/Unified CCE Diagnostic Framework Portico has moved to form-based authentication for login. It has a new login page, an option to log out, and a 30 minute session timeout.



Note The **GetMenu** URL is now deprecated.



Note For more information, see *Diagnostic Tools* section in the *Serviceability Guide for Cisco Unified ICM/Contact Center Enterprise* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-installation-and-configuration-guides-list.html>

Enhanced Database Migration Tool (EDMT) Support

EDMT is used for seamlessly migrating data across different versions.

During the upgrade from 12.0(1) and 12.5(1) to 12.6(1), you can use EDMT 12.6(1) for data migration and synchronization.

You can also use EDMT 12.6(1), during the Technology Refresh migration from Windows Server 2016 to Windows Server 2019 on 12.6(1).

For more information on EDMT, see the following documents:

- *Cisco Unified Contact Center Installation and Upgrade Guide*: <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-installation-guides-list.html>
- *Cisco Packaged Contact Center Installation and Upgrade Guide*: <https://www.cisco.com/c/en/us/support/customer-collaboration/packaged-contact-center-enterprise/products-installation-guides-list.html>

Enable or Disable Outbound Dialer from Redialing Failed Personal Callbacks (ES65 Update)

You can now update the Dialer registry settings to enable or disable the outbound Dialer from retrying or redialing failed personal callbacks with dialing errors (where the CallResult value is 2).

For more information, see the **Dialer Registry Settings** section in the [Cisco Unified Contact Center Enterprise Outbound Options Guide](#).

Inactivity Timer

Administrators can now configure the inactivity timeout for a session to avoid being logged out after 30 minutes of inactivity. Navigate to the **Unified CCE Administration Portal > Call Settings > Miscellaneous > Global > Login Session > Session Inactivity Timeout** to set the inactivity time.



Note This feature is only applicable for sessions where administrators are using the Unified CCE Administration Console and does not apply to agent sessions in Finesse Desktop and ECE.

For more information, see the following guides:

- The *System Setting for Unified CCE Deployment* section in the *Administration Guide for Cisco Unified Contact Center Enterprise Release, 12.6(2)* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-maintenance-guides-list.html>
- The *Miscellaneous* section in the *Cisco Packaged Contact Center Enterprise Administration and Configuration Guide, Release 12.6(2)* at <https://www.cisco.com/c/en/us/support/customer-collaboration/packaged-contact-center-enterprise/products-maintenance-guides-list.html>



Note This feature requires [ICM_12.6\(2\)_ES9](#) to be installed on the 12.6(2) target system.

Important Notes

IdS Upgrade

If you are upgrading Cisco Identity Service (IdS) to 12.6(1) and above, after the upgrade, you must reestablish trust relationship between the Identity Provider (IdP) and the IdS. This step is not required if you are using Microsoft ADFS as the IdP.

OpenJDK Java Runtime Update

CCE has transitioned from Oracle to OpenJDK for the Java runtime environment (JRE). The CCE 12.6(1) installer will install the required OpenJDK version. If the existing Oracle JRE is not needed, you may uninstall it from the system manually.

For more information, see the following documents:

- *Cisco Unified Contact Center Enterprise Installation and Upgrade Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-installation-guides-list.html>
- *Security Guide for Cisco Unified ICM/Contact Center Enterprise* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-installation-and-configuration-guides-list.html>
- *Cisco Packaged Contact Center Enterprise Installation and Upgrade Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/packaged-contact-center-enterprise/products-installation-guides-list.html>

For information about supported Java versions, see the *Contact Center Enterprise Solution Compatibility Matrix* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-device-support-tables-list.html>.

SQL Server Execution Plan Issue

Microsoft SQL Server 2016 and later includes a set of query optimizer enhancements. Under rare circumstances, queries against the Logger historical data have shown higher bandwidth and disk utilization. Interaction with the Logger VM becomes sluggish and the Windows Resource monitor shows close to 100 percent active time on the SQL Server database drive.

If you observe this issue, upgrade Microsoft SQL Server to the latest service pack. If you still experience this issue, run the following query against the database to set compatibility to Microsoft SQL Server 2014:

```
"Alter Database <dbname> set COMPATIBILITY_LEVEL = 120"
```

You can run this query while the system is in operation. For more information about this issue, refer to [CSCvw51851](#).

Tomcat Utility Changes

The `-revert` command, which was used to revert Tomcat to its previous version, is removed. To revert Tomcat to a previous version, run the Tomcat utility with the installer of that Tomcat version.

For more information, see the Security Guide for Cisco Unified ICM/Contact Center Enterprise: <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-installation-and-configuration-guides-list.html>.

Deprecated Features

Deprecated features are fully supported. However, there is no additional development for deprecated features. These features may be scheduled to be removed in a future release. Plan to transition to the designated replacement feature. If you are implementing a new deployment, use the replacement technology rather than the deprecated feature.

Table 3: *Deprecated Features*

Deprecated Feature	Announced in Release	Replacement	Notes
UCC Enterprise Gateway PG (Parent PG in Parent-Child deployments)	12.5(1)	None	None
Integrity Check Tool	12.0(1)	None	None
External Script Validation	12.0(1)	None	None
Translation Route Wizard	12.0(1)	Translation Route Explorer	None
Generic PG	11.5(1)	Agent PG and VRU PG	None
ECSPIM/Avaya (Definity) PG using CVLAN interface	11.5(1)	TAESPIM/Avaya (Definity) PG using TSAPI interface	CVLAN interface is deprecated by vendor with limited or no active development support
Webex Experience Management	14 November, 2022	None	Experience Management integration planned.

Removed and Unsupported Features

The features listed in the following table are no longer available.

Table 4: *Removed and Unsupported Features/Solution*

Feature	Effective from Release	Replacement
Cisco Hosted Collaboration Solution for Contact Center (HCS for CC)	12.6(1)	Unified CCE or Webex CCE.
MIB Objects: <ul style="list-style-type: none"> • cccaDistAwWebViewEnabled • cccaDistAwWebViewServerName • cccaSupportToolsURL • cccaDialerCallAttemptsPerSec 	12.6(1)	None
"Sprawler" deployment	12.6(1)	Packaged CCE deployment

Feature	Effective from Release	Replacement
Shared ACD Line	12.6(1)	Agent Device Selection Note For more information on device selection, see the <i>Agent Device Selection</i> section in <i>Cisco Finesse Agent and Supervisor Desktop User Guide</i> at https://www.cisco.com/c/en/us/support/customer-collaboration/finesse/products-user-guide-list.html .
ECSPIM/Avaya (Definity) PG using CVLAN interface	12.5(2)	TAESPIM/Avaya (Definity) PG using TSAPI interface
Avaya Aura Contact Center (AACC - formerly Symposium) PG	12.5(2)	Migrate to Contact Center Enterprise or Webex CCE.
Aspect PG	12.5(2)	Migrate to Contact Center Enterprise or Webex CCE.
Symposium ACD	12.5(2)	Migrate to Contact Center Enterprise or Webex CCE.
Customer Journey Analyzer for Business Metrics (Trials)	12.5(2)	None Note Customer Journey Analyzer was available for trials only in Release 12.5(1). The trials have been discontinued.
Internet Explorer 11	12.5(2)	Edge Chromium (Microsoft Edge)

Third Party Software Impacts

For information about third-party software, see the *Contact Center Enterprise Solution Compatibility Matrix* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-device-support-tables-list.html>.



CHAPTER 3

Cisco Unified Customer Voice Portal

- [New Features](#), on page 19
- [Removed and Unsupported Features](#), on page 20
- [Important Notes](#), on page 21

New Features

Edge Chromium Browser Support

This release supports Edge Chromium (Microsoft Edge). For information about supported versions, see the *Contact Center Enterprise Solution Compatibility Matrix* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-device-support-tables-list.html>.

Virtual Agent–Voice: Onboarding for OEM Customers

Virtual Agent–Voice (VAV), was formerly referred to as Customer Virtual Assistant (CVA) in 12.5(1) release. This feature now provides enhanced onboarding experience to OEM customers (customers who use Cisco's contract, billing, and support for Google's speech services) via Webex Control Hub. OEM customers can use Cisco services coupled with Google's cloud-based AI-enabled speech services.

For details on how to configure VAV onboarding for OEM customers, see the *Virtual Agent–Voice* chapter in the following documents:

Cisco Unified Contact Center Enterprise Features Guide, Release 12.6(1) at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-feature-guides-list.html>.

Cisco Packaged Contact Center Enterprise Features Guide, Release 12.6(1) at <https://www.cisco.com/c/en/us/support/customer-collaboration/packaged-contact-center-enterprise/products-maintenance-guides-list.html>.

Virtual Agent–Voice for Dialogflow CX

Virtual Agent–Voice for Dialogflow CX leverages Google's Dialogflow CX service that allows designing virtual voice agents and creating and connecting complex IVR call flows.

Using Google Dialogflow CX, multiple agents can be created under the same Project ID and can be accessed and managed for different lines of business with a single Google account. For more information, refer to the Google Dialogflow CX documentation at <https://cloud.google.com/dialogflow/cx/docs>.

Cisco Unified Call Studio's DialogflowCX element is used to engage Google's Dialogflow CX service. For more information, refer to the *DialogflowCX Element* chapter in the *Element Specifications for Cisco Unified CVP VXML Server and Call Studio, Release 12.6(1)* guide at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-customer-voice-portal/products-programming-reference-guides-list.html>.

To use Virtual Agent–Voice for Dialogflow CX on 12.6(1), Assessment to Quality (A2Q) process for Contact Center AI (CCAI) must be completed.

For details on how to configure Google Dialogflow CX for OEM customers, see the *Virtual Agent–Voice for Dialogflow CX* chapter in the following documents:

- *Cisco Unified Contact Center Enterprise Features Guide, Release 12.6(1)* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-feature-guides-list.html>
- *Cisco Packaged Contact Center Enterprise Features Guide, Release 12.6(1)* at <https://www.cisco.com/c/en/us/support/customer-collaboration/packaged-contact-center-enterprise/products-maintenance-guides-list.html>

The following table lists the minimum version of components required in Unified CCE solution for this feature.

Component	Version
CVP	12.6(1) ES-08
VVB	12.6(1) ES-03
Call Studio	12.6(1) Patch
Cloud Connect	12.6(1)
CCE Components	12.5(1) and higher
ICM	12.5(1) and higher



Note Packaged CCE provides this feature only from release 12.6(1).

Removed and Unsupported Features

The features listed in the following table are no longer available.

Deprecated Feature	Announced in Release	Replacement	Notes
Internet Explorer 11	Not applicable ¹	Edge Chromium (Microsoft Edge)	None.

¹ Based on external communication from Microsoft

Important Notes

OpenJDK Java Runtime Environment Update

The 12.6(1) release installs OpenJDK JRE in the CVP installations if the existing installation has Oracle JRE.

For more information, refer to the *Installation and Upgrade Guide for Cisco Unified Customer Voice Portal, Release 12.6(1)* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-customer-voice-portal/products-installation-guides-list.html>.

For more information on JRE minor update, refer to the *Java Runtime Environment Minor Update* section in the *Configuration Guide for Cisco Unified Customer Voice Portal, Release 12.6(1)* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-customer-voice-portal/products-installation-and-configuration-guides-list.html>.

For information about supported versions, see the *Contact Center Enterprise Solution Compatibility Matrix* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-device-support-tables-list.html>.

Password Hashing

This release uses salted SHA-256 hashing on user passwords in OAMP, NOAMP, and Serviceability CLI interfaces. The usage of this scheme requires the user to log in once to OAMP, NOAMP, and Serviceability CLI after upgrading to 12.6(1).



CHAPTER 4

Cisco Unified Intelligence Center

- [New Features, on page 23](#)
- [Updated Features, on page 24](#)
- [Important Notes, on page 25](#)
- [Deprecated Features, on page 25](#)
- [Removed and Unsupported Features, on page 25](#)
- [Third Party Software Impact, on page 26](#)

New Features

Accessibility Compliance

This release ensures that the Cisco Unified Intelligence Center reporting application complies with Web Content Accessibility Guidelines (WCAG) 2.0. For more information on the supported JAWS version, see Voluntary Product Accessibility Templates (VPAT) report for Contact Center at <https://www.cisco.com/c/en/us/about/accessibility/voluntary-product-accessibility-templates.html>.

Custom Logon Messages

Edge Chromium Browser Support

This release supports Edge Chromium (Microsoft Edge). For information about supported versions, see the *Contact Center Enterprise Solution Compatibility Matrix* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-device-support-tables-list.html>.

Maximum Session Count

If a Unified Intelligence Center user reaches the maximum configured session count, that user can log in to another session only after signing out from an active session or if an active session times out due to inactivity. The session timeout duration is configured by using the **set cuic properties session-timeout** command. The maximum session count is configured by using the **set webapp session maxlimit** command. For more information, see the *Command Line Interface* chapter in the *Administration Console User Guide for Cisco*

Unified Intelligence Center at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-intelligence-center/products-maintenance-guides-list.html>.

Commands

The following commands have been introduced:

Allow External Links

The administrator can enable or disable the external links in Unified Intelligence Center dashboard using the **set cuic properties allow-external-links** {on/off} command.

CUIC Logging

In this release, the log trace setting in OAMP interface is removed. The administrator must use the **utils cuic logging** commands to set the log traces. To change the log level configuration on each node in the cluster, the command must be run separately on each node.

Report Query Timeout

The administrator can set the report query execution timeout value using the **set cuic properties report-query-timeout** *number of seconds* command. This command is applicable when you run the report using the interface and does not apply to scheduled reports.

For more information, see the *Command Line Interface* chapter in the *Administration Console User Guide for Cisco Unified Intelligence Center* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-intelligence-center/products-maintenance-guides-list.html>.

Updated Features

SMTP Settings

If you select the **Use TLS** check box (**Cluster Configuration > SMTP Settings**), the communication between the Cisco Unified Intelligence Center and the mail server is encrypted with TLS. By default, SMTP TLS port 465 is used to connect to the mail server. For more information, see the *Cluster Configuration* chapter in the *Administration Console User Guide for Cisco Unified Intelligence Center* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-intelligence-center/products-maintenance-guides-list.html>.

All Users Group Access

The administrator can enable or disable the parameter using the **set cuic properties allow-allusers-group-ui** command.

When this parameter is set to *on*, **AllUsers** group will be visible in the permission modal for non-administrative entity owners to assign permissions.

Important Notes

Allow External Links

After the upgrade, the external links in the Unified Intelligence Center dashboard will be disabled. If required, the administrator can enable the external links again using the **set cuic properties allow-external-links** command.

If enabled, the contents from external links are rendered within the HTML iFrame in the dashboard. This will include the `frame-src*` directive in the Content Security Policy of the Unified Intelligence Center web pages.

Gadget URL

JSP format is not supported for Unified Intelligence Center gadgets (Live Data and Historical). To change the JSP format references to XML format, the administrator must run the following commands on the primary Cisco Finesse server.

- **utils finesse layout updateCuicGadgetUrl 12.6.1+**—Updates the CUIC URL configured in the Cisco Finesse desktop layout to work with Release 12.6(1) and later versions. For more information, see the *Upgrade* section in the *Cisco Finesse Administration Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/finesse/products-maintenance-guides-list.html>.

Live Data

- If Cisco Unified Intelligence Center is upgraded to version 12.6(1) and your Live Data (standalone) server remains on an earlier version (11.6(1), 12.0(1), or 12.5(1)), ensure that you update the Live Data server with the latest ES for that release. This is required for the Live Data gadgets to work in Finesse desktop.
- Live Data 12.6(1) requires a new OVA for all deployments except the 2000 Agent deployment.

HTTP Access

Cisco Unified Intelligence Center is not accessible using port 8081 in any manner. From this release, port 8081 is disabled and does not redirect to HTTPS.

Deprecated Features

None.

Removed and Unsupported Features

Log Trace

In this release, the log trace setting in OAMP is removed. The administrator must use the **utils cuic logging** commands to set the log traces.

The following commands are removed:

- **set cuic trace**
- **show cuic trace**
- **utils cuic authorize_remote_node**

Internet Explorer 11

In this release, support for Internet Explorer version 11 is removed. Edge Chromium (Microsoft Edge) is the replacement. For more information about supported browsers, see the *Contact Center Enterprise Solution Compatibility Matrix* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-device-support-tables-list.html>.

SNMP Object Identifiers (OIDs)

The following SNMP OIDs are removed:

- cuicGeneralInfoServerName
- cuicGeneralInfoServerDescription
- cuicGeneralInfoVersion
- cuicGeneralInfoStartTime
- cuicGeneralInfoTimeZoneName
- cuicGeneralInfoOpsConsoleURL
- cuicReportingTotalKickedOffHistoricalReports
- cuicReportingTotalKickedOffRealTimeReports
- cuicSchedulerStatus
- cuicSchedulerEmailServerStatus
- cuicSchedulerJobsCompletedCount
- cuicSchedulerJobsRunningCount
- cuicSchedulerJobsFailedCount
- cuicSecurityLoginFailedAttempts
- cuicThreadsMaxAvailable
- cuicThreadsRunning
- cuicQueuedTasks
- cuicQueuedTasksMax

Third Party Software Impact

None.



CHAPTER 5

Cisco Finesse

- [New Features, on page 27](#)
- [Updated Features, on page 32](#)
- [Important Notes, on page 35](#)
- [Deprecated Features, on page 35](#)
- [Removed and Unsupported Features, on page 36](#)
- [Third Party Software Impacts, on page 36](#)

New Features

Locked Out Users (ES02 Update)

A new CLI **utils finesse locked_out_users** list has been added to view the list of locked out users. For more information on the CLI, see the [Finesse Administration guide](#).

Desktop Interface APIs (ES02 Update)

Three new APIs have been introduced, which are primarily used for Finesse desktop development. The APIs are as follows:

- Desktop Configuration
- Languages List
- Verify Desktop and Third-Party URLs

For more information on the APIs, see the [Cisco Finesse Desktop Interface API Guide](#).

Agent Device Selection

When agents and supervisors need to use different devices that are configured with the same extension, the administrator must enable the Agent Device Selection feature for them. Agents and supervisors can select one of the endpoints (Desk Phone with Extension Mobility, Desk Phone without Extension Mobility, Jabber, and so on) on the shared Automatic Call Distribution (ACD) lines as the active device while signing in to Finesse desktop. This informs the solution to ignore the other devices and use the indicated device as the only source for call interaction. This allows effective control of the call irrespective of from where the user connects

to the system. The user can switch the device based on where they are working, across shifts in an office, moving from one office to another across various locations, or working from home.

When the user signs in with the desired extension, the device selection screen displays a list of devices that share the same extension. If the required device is not listed, the user can refresh the list of devices (if the required device is not listed) and select the device that has to be used as the active device for the current desktop session.

For more information about how to enable or disable the feature, see the *Agent Administration Tasks* section in *Administration Guide for Cisco Unified Contact Center Enterprise* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-maintenance-guides-list.html>.

For more information on device selection, see the *Agent Device Selection* section in *Cisco Finesse Agent and Supervisor Desktop User Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/finesse/products-user-guide-list.html>.

Edge Chromium Browser Support

This release supports Edge Chromium (Microsoft Edge). For information about supported versions, see the *Contact Center Enterprise Solution Compatibility Matrix* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-device-support-tables-list.html>.

Agent PG Maintenance Mode

This release supports peripheral gateway (PG) maintenance mode, which allows the Cisco Finesse server to reconnect to the alternate PG without interrupting the current operations. When the Agent PG maintenance mode is initiated, Finesse desktop users and the Finesse IPPA users do not see any interruption during sign in, state operations, or call operations.



Note This feature is supported with Unified CCE deployments 12.6(1) and above.

For more information see *Agent PG Maintenance Mode* section in *Cisco Finesse Administration Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/finesse/products-maintenance-guides-list.html>

Finesse Maintenance Mode

This release supports transitioning live Cisco Finesse nodes into a maintenance mode for performing administrative tasks, without causing any disruption to contact center activities. This feature is implemented in an automatic phased migration of the Cisco Finesse desktops from the primary node to the secondary node with minimal disruption to the agent activities.



Note This feature is supported with Unified CCE deployments 12.6(1) and above.

For more information, see *Finesse Maintenance Mode* section in *Cisco Finesse Administration Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/finesse/products-maintenance-guides-list.html>

Multi-Tab Gadgets

Finesse desktop supports accessing multiple gadgets through tabs within a single gadget called Multi-Tab gadget. The Multi-Tab gadget allows the desktop to render more gadgets in a single desktop view and thus allows the contact center to efficiently utilize the desktop area. It enables more information to be presented to the agent in a concise and readily accessible manner, without forcing the user to scroll the page or switch the Finesse gadget container to see additional information.

The Multi-Tab gadget can host most gadgets supported by Cisco Finesse desktop. Multiple instances of Multi-Tab gadget containing different groups of gadgets are also supported, which helps users to stack groups of gadgets as required to customize their desktop.



Note The Multi-Tab gadget cannot host the following gadgets:

- Manage Chat and Email gadget (Finesse Agent desktop and Supervisor desktop)
- Advanced Supervisor Capabilities gadget (Finesse Supervisor desktop)

The Multi-Tab gadget functionality supports the maximize and collapse options when configured as a page-level gadget or as a desktop container tab level gadget in the default layout setting.

For more information about this feature, see *Multi-Tab Gadgets* section in *Cisco Finesse Agent and Supervisor Desktop User Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/finesse/products-user-guide-list.html>

For more information about configuration, see *Configure Multi-Tab Gadgets* section in *Cisco Finesse Administration Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/finesse/products-maintenance-guides-list.html>

Agent Answers

Agent Answers feature provides relevant suggestions and recommendations in real time for the agent to consider. The suggestions and recommendations are based on the ongoing conversation between the caller and the agent.



Note Agent Answers can be configured within the Multi-Tab gadget.

For more information about contact center AI gadgets, see *Contact Center AI Gadgets* in *Cisco Finesse Agent and Supervisor Desktop User Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/finesse/products-user-guide-list.html>.

For more information on how to configure Agent Answers gadget, see section *Add Agent Answers Gadgets* in *Cisco Finesse Administration Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/finesse/products-maintenance-guides-list.html>

Custom Logon Messages

The custom messages appear in a pop-up box during the sign in process. The user has to acknowledge this message to proceed further. It is not mandatory to have custom messages. Administrators can set up the login

messages in the Cisco Unified OS Administration console. For more information, see *Configure Custom Logon Messages* section in *Cisco Finesse Administration Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/finesse/products-maintenance-guides-list.html>.

Change IP Address and Hostname

This release allows the administrator to change the IP address or hostname or domain name of the Cisco Finesse cluster nodes in your deployment.

For more information, see the *Manage IP Address and Hostname* chapter in *Cisco Finesse Administration Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/finesse/products-maintenance-guides-list.html>.

Supported Content Security Policy Directives

This release allows the administrator to use the following CLI commands to view, add, or delete the frame-access sources in the response header of Cisco Finesse. This ensures that only the configured sources can embed the Cisco Finesse in an iFrame within their HTML pages.

- **utils finesse frame_access_allowed_list add**[source1,source2]
- **utils finesse frame_access_allowed_list delete**
- **utils finesse frame_access_allowed_list list**

For more information, see *Supported Content Security Policy Directives* section in *Cisco Finesse Administration Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/finesse/products-maintenance-guides-list.html>.

Set Commands

The following CLIs have been introduced in this release:

Log Configuration

The administrator can use the following CLIs to add, delete, update, or view the logger configuration in the system for Finesse.

utils finesse log configuration {add|update|delete|list}

Secure XMPP Socket Port 5223

The administrator can set the **utils finesse set_property webservice enableExternalNotificationPortAccess** to *true* to enable the external access to the Cisco Finesse Notification Service XMPP port (5223).

Restricting Access to the External XMPP Notification Port 5223

The administrator can restrict the IP addresses from accessing the TCP-based XMPP notification port (5223) available for external client connectivity. The administrator can add, delete, or view the configured IP addresses using the following CLIs:

utils finesse notification external_port_access {add|delete|list}

For more information see, the *Service Properties* section in *Cisco Finesse Administration Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/finesse/products-maintenance-guides-list.html>.

CUIC Gadget URL

The administrator can use the following release-specific CLIs to change the .jsp references of Cisco Unified Intelligence Center (CUIC) gadgets to .xml in the Finesse desktop layout.

- `utils finesse layout updateCuicGadgetUrl 12.5.1`
- `utils finesse layout updateCuicGadgetUrl 12.6.1+`

For more information see, the *Upgrade* section in *Cisco Finesse Administration Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/finesse/products-maintenance-guides-list.html>.

Connected Users Summary

The administrators can view the list of connected users in the current Finesse server.

- `utils finesse show_connected_users summary`
- `utils finesse show_connected_users detail`

REST APIs

The following APIs have been added.

- **Device—Get List of Devices for Extension**—This API allows a user to retrieve the list of devices associated with an extension.
- **Finesse MaintenanceMode**—This API allows the user to request Finesse to move to maintenance mode. The following are the new Finesse MaintenanceMode APIs:
 - **Finesse MaintenanceMode—Get**
 - **Finesse MaintenanceMode—Update**
- **ConnectedUsersInfo** — This API allows the user to request for the details of the connected users information. The following are the new Connected APIs:
 - **ConnectedUserInfo—Summary**
 - **ConnectedUserInfo—Get Connected Users Information**

jQuery

The jQuery version hosted by Finesse has been upgraded from 3.4.1 to 3.5.1.

For more information, see *REST API Developer Guide* at <https://developer.cisco.com/docs/finesse/#!javascript-library>.

API Authentication changes for VPN-Less Deployment (ES02 Update)

For changes related to the authentication model when running in VPN-Less deployment, refer to the [Cisco Unified Contact Center Enterprise Features Guide](#). The authentication changes made for VPN-Less deployment, primarily impacts third-party desktops and external API access. It does not impact the Finesse user authentication model and the functionality of the default desktop.

SystemInfo API (ES02 Update)

SystemInfo API is now authenticated when accessed via VPN-Less proxy. For alternatives to be used in non-authenticated mode, refer to the [Cisco Finesse Desktop Interface API Guide](#).

Restricting Access to the External XMPP Notification Port 5223

You can restrict the IP addresses from accessing the TCP-based XMPP notification port (5223) available for external client connectivity. You can add, delete, or view the configured IP addresses only when the `enableExternalNotificationPortAccess` property is enabled on all the Finesse nodes in the cluster. For more information about restricting the access to the port, see the *Restricting Access to the External XMPP Notification Port 5223* section in Cisco Finesse Administration Guide at <https://www.cisco.com/c/en/us/support/customer-collaboration/finesse/products-maintenance-guides-list.html>.

Updated Features**Reports (ES02 Update)**

Historical and Realtime report gadgets are supported in supervisor desktop. The Stock reports can be viewed in the supervisor desktop. To configure custom reports as gadgets, you must run the CLI **set cuic properties allow-proxy-custom-report** command. The report execution dataset size for Historical and Realtime reports can be configured using the CLI **set cuic properties vpnless-response-size-ht** command. For more information, see the [CUIC Administration guide](#).

Drop Participants from Conference

The release allows an agent or a supervisor, who is the participant in a conference call, to drop other agents, supervisors, or non-agents from the conference call. The administrator can customize the desktop property value (`enableDropParticipantFor` and `dropParticipant`) of this feature through the desktop layout:

- Default layout (**Desktop Layout**)
- Team-specific layouts (**Manage Team Resources > Desktop Layout**)

Alternatively, the administrator can also set the permission using the CLI **utils finesse set_property webservices enableDropParticipantFor** or the Dialog-Drop Participant from Conference API.

For more information on how to set the permissions, see *Drop Participants from Conference* section in *Cisco Finesse Administration Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/finesse/products-maintenance-guides-list.html> and *REST API Developer Guide* at <https://developer.cisco.com/docs/finesse/#!javascript-library>.

Dual-Tone Multi-Frequency (DTMF) Updates

This release throttles the number of back-to-back DTMF requests that can be sent by the desktop, to prevent CTI errors. The administrator can configure the number of outstanding DTMF requests and the timeout duration. The administrator can customize the desktop property value (`pendingDTMFThresholdCount` and `dtmfRequestTimeoutInMs`) of this feature through the desktop layout:

- Default layout (**Desktop Layout**)
- Team-specific layouts (**Manage Team Resources > Desktop Layout**)

Alternatively, the administrator can also use the following CLIs:

- `utils finesse set_property desktop pendingDTMFThresholdCount <value>`
- `utils finesse set_property desktop dtmfRequestTimeoutInMs<value>`

Changes in REST APIs

The following changes are made to the payloads.

- User APIs—The following fields are added to the payload:
 - `deviceSelection`—Indicates whether the CTI device selection is enabled for the agent.
 - `activeDeviceId`—A unique ID of the active device associated with the extension to which the agent is signed in.
 - `Devices`—Information about the list of devices associated with an extension.
 - `skillTargetId`—Indicates the unique identifier for the skill target assigned to the agent in the Unified CCE database.
 - `services`—Indicates the services that are configured for a user.
- Dialog—Drop Participant from Conference—This API allows an agent or supervisor to make a request to drop other participants from a conference based on the permission set by the administrator. The following fields are added to the payload:
 - `ccaiConfigId`—Unique configuration ID that is created by the AI service.
 - `services`—Indicates the services that are configured for a user.
- Single Sign-On APIs—The optional parameters are added in the Fetch Access Token and Refresh Existing Access Token APIs
- SystemInfo APIs—The following fields are added to the payload:
 - `ctiTimeInMMode`—The total time (in seconds) that the CTI server is in maintenance mode.
 - `ctiMMode`—Indicates whether the CTI server is in maintenance mode.
 - `ctiServers`—Information about the list of CTI servers that the Cisco Finesse is connected to.
 - `finesseTimeInMMode`—The total time (in seconds) that the Finesse server is in maintenance mode.
 - `finesseMMode`—Indicates whether the Finesse server is in maintenance mode.

For more information, see *REST API Developer Guide* at <https://developer.cisco.com/docs/finesse/#!rest-api-dev-guide>.

Changes in JavaScript APIs

The following changes are made to the payloads.

- Gadget Configuration—Added the `skillTargetId` field which refers to the skill ID of the user.
- User—The following functions are added:
 - `getSkillTargetId`—Retrieves the Id for the skill target assigned to the user in the Unified CCE database.
 - `isDeviceSelectionEnabled`—Retrieves whether the device selection is enabled for the user.
 - `getServices`—Retrieves the list of services that are configured for the user.
- SystemInfo—The following functions are added:
 - `getCtiMMode`—Retrieves the CTI server in maintenance mode.
 - `getCtiTimeInMMode`—Retrieves the total time (in seconds) that the CTI server is in maintenance mode.
 - `getCtiServers`—Retrieves the list of CTI servers that Cisco Finesse is connected to.
 - `getfinesseMMode`—Indicates whether the Finesse server is in maintenance mode.
 - `getfinesseTimeInMMode`—The total time (in seconds) that the Finesse server is in maintenance mode.

For more information, see *Cisco Finesse JavaScript APIs* chapter in *REST API Developer Guide* at <https://developer.cisco.com/docs/finesse/#!javascript-library>.

Serviceability Improvements

This release provides the following serviceability improvements:

- Trace level logging support (*utils finesse log*)
- Fine-grained logging control for critical services (*utils finesse log*)
- `ConnectedUsersInfo` API to retrieve the list of users signed in to a specific node
- Finesse Maintenance Mode Services (*utils finesse maintenance initiate* and *utils finesse maintenance status*)

For more information about logging improvements and Finesse Maintenance Mode Services, refer to the *Cisco Unified Contact Center Express Administration and Operations Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-express/products-maintenance-guides-list.html>.

For more information about the `ConnectedUsersInfo` API, see the *ConnectedUsersInfo* section in the *Cisco Finesse Web Services Developer and JavaScript Guide* at <https://developer.cisco.com/docs/finesse/>.

Connected Agents Gadget

This release introduces the Connected Agents gadget for administrators that lists all the agents currently signed in to Cisco Finesse. You can use this gadget to determine which agents are signed in to the Publisher and the

Subscriber. You can use this gadget also to filter the client types and identify the client type through which an agent has signed in.

For more information, see the *Manage Connected Agents* section in the *Cisco Finesse Administration Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/finesse/products-maintenance-guides-list.html>.

Important Notes

- Finesse desktop now connects to the Notification service using WebSocket or BOSH with https port 8445 instead of 7443. The advantage is that it reduces the number of certificates that needs to be accepted by the desktop during log in.
- Third-party client software can connect to the Notification service using WebSocket or BOSH with either 7443 or 8445 https port.
- The Phonebook container width is increased to 170 pixels in the desktop UI so that more characters are shown without the ellipsis. Any contact name exceeding the preset width (170 pixels) will have an ellipsis and a tool tip next to it to show the full name.
- With the upgrade to Tomcat 9, the "reason phrase" parameter, which provides additional information about the http response according to the status code, is not sent. If the third-party applications that use Finesse APIs build their logic based on the "reason phrase" parameter, the logic will fail.
- Cisco Finesse provides Java Management Extensions (JMX) counters with associated threshold values that can be used to monitor the health of the Finesse. For more information, see the **JMX Counter Thresholds** section in the *Cisco Finesse Administration Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/finesse/products-maintenance-guides-list.html>.
- The following are some of the new restrictions due to Java version upgrade and CiscoJCE provider:
 - Expired certificates are not supported. All the components in Unified CCE should contain valid certificates.
 - Gadget hosting server's certificate must contain "Digital Signature" as one of the KeyUsage purposes.

Deprecated Features

Notifications over BOSH (Long Polling)

In this release, support for notifications over BOSH (long polling) is deprecated. Applications that require notifications are recommended to use WebSocket-based notifications (Finesse desktop) or notifications over direct XMPP (over TCP).

The usage of port 7443 is deprecated and the port 8445 should be used instead. For the details on how to use port 8445 for WebSocket notifications, refer to the *Managing Notifications in Third-Party Applications* section of the *Cisco Finesse Web Services Developer and JavaScript Guide*.

Removed and Unsupported Features

Internet Explorer 11

In this release, support for Internet Explorer version 11 is removed. Edge Chromium (Microsoft Edge) is the replacement.

For information about supported versions, see the *Contact Center Enterprise Solution Compatibility Matrix* at <https://www.cisco.com/c/en/us/support/customer-collaboration/unified-contact-center-enterprise/products-device-support-tables-list.html>.

CLIs

The following CLIs are removed:

- `utils finesse trace enable`
- `utils finesse trace disable`
- `utils finesse trace status`
- `utils finesse notification logging status`

Third Party Software Impacts

None.



CHAPTER 6

Cisco Enterprise Chat and Email

- [New Features](#) , on page 37
- [Updated Features](#), on page 43
- [Important Notes](#), on page 45
- [Deprecated Features](#), on page 46
- [Removed and Unsupported Features](#), on page 46

New Features

Support for 2500 Concurrent Agents and Reduced Application and Web Servers for Fully Distributed Model



Note Available starting ECE 12.6(1) ES3 only.

- No change in VMs or agent support for existing 1500 agent deployment.
- For 2500 concurrent agents with 3 Web/App support, use the 2500 Agent OVA.
- For 1500 concurrent agents with 2 Web/App support, use the 2500 Agent OVA.
- The ‘not-required’ application and web servers can be uninstalled and removed by following the appropriate guides.

Decoupled ECE Login/Logout of SSO Agents From Finesse



Note Available starting ECE 12.6(1) ES3 only.

As per previous design, if SSO is configured at Finesse and ECE side and when the agent logs in to Finesse agent desktop, the agent gets logged in automatically to digital channels offered by ECE and doesn't have an option to log out of ECE gadget. This results in consuming a premium license for the agent though the agent doesn't want to work on ECE tasks for that day or session. This results in additional cost on the customers adapting to Smart Licensing. With ECE 12.6(1) ES3, agents will only be logged in to ECE, when they click on ECE gadget and also will be able to log out from only ECE, if they want to. A new logout option is enabled inside the ECE gadget. For more details, refer the [Enterprise Chat and Email Agent's Guide, Release 12.6\(1\)](#).

New Settings for Auto-Completion of Real-Time and Asynchronous Chat Activities



Note Available starting ECE 12.6(1) ES3 only.

- Auto-complete unselected and abandoned real-time chat activities.
- Auto-complete unselected and abandoned asynchronous chat activities.

Platform

Infrastructure

All new installations and systems upgrading to 12.6(1) should use Microsoft Windows and Microsoft SQL Server versions and combinations documented in [Compatibility Matrix 12.6\(1\)](#).

Cross-Browser Support

The Administration Console and Agent Console are now supported only on Chrome, Edge, and Firefox browsers. Administration Console and Agent Console are not supported on Internet Explorer. Only the Reports Console is supported on Internet Explorer. The latest version of each browser was tested at time of release.

User Interface in Polish and Czech

The user interface for all consoles is now available in Polish and Czech languages. Note that Dictionary support is not available for these two new languages.

Simplified Administration Console

Simplified Administration Console for Unified CCE

The Administration Console has been fully redesigned to be more contemporary and efficient. The new console streamlines administrative tasks by merging actions that were previously distributed across the Administration, System, and Tools Consoles.

Consolidation of Consoles into the Administration Console

- System Console functions have been consolidated into the new Administration Console. This group of features is available only to users who have system-level view permissions and system-level manage permissions.
- Tools Console functions have been consolidated into the new Administration Console. Some of the utilities within the Tools Console are available only to users who have system-level view permissions and system-level manage permissions.

Reorganization of Configurations and Settings

- Settings and the configuration processes necessary to setup and maintain the product have been restructured and reorganized to improve the user experience.
- Settings that are specific to particular apps or features of the application can be configured within the same space.
- Apps and their configuration elements have been combined to reduce the number of mouse-clicks and navigation necessary to complete an app's configuration process.

Pagination and Filters

- The Administration Console has been restructured to use pagination to improve the user experience. This removes clutter from the console and allows users to navigate through the different functions of the console with ease.
- A filtering search feature is available to help users to quickly find the functions they want. This search feature works across the pagination and auto-completes as the user types in the feature name. Filtering search functionality is available in the List and Properties pages to quickly locate objects in the system and save time during the configuration process.

Enhanced Administration Console for Packaged CCE

As a part of overall Administration Console enhancements, several additions have been made to the ECE administration console that is hosted as a gadget within the Packaged CCE web admin console. This includes the ability to create workflows and supervision monitors, manage storage and purge configuration, and so on. Administrators now do not have to navigate away from the Packaged CCE Administration interface to manage anything specific to ECE, apart for the Reports console.

New Administrator Privileges

System Administrator Privileges

- New privileges have been created for system administrators that supersede all other roles, permissions, and actions: the Manage System Resource and View System Resource privilege.

When combined, these privileges form a full-fledged system administration user. System administrators can only be created by other system administrators.

- System administrators are granted the View Partition Resource action, by default. This allows them a read-only view of all partition-level and department-level nodes.
- System administrators are now users who can perform system-level tasks. This reassignment of the system administrator's access and permissions reduces the effort required for business users to configure the application to meet their needs.

For details about configuring this feature, see the *Enterprise Chat and Email Administrator's Guide to System Resources* at <https://www.cisco.com/c/en/us/support/customer-collaboration/cisco-enterprise-chat-email/products-maintenance-guides-list.html>.

Partition Administrator Privileges

Two new privileges have been created for partition administrators that supersede other roles, permissions, and actions: The Manage Partition Resource privilege and View Partition Resource privilege.

When combined, the privileges form a full-fledged partition administration user. These users can only be created by other partition administrators.

For details about configuring this feature, see the *Enterprise Chat and Email Administrator's Guide to Administration Console* at <https://www.cisco.com/c/en/us/support/customer-collaboration/cisco-enterprise-chat-email/products-maintenance-guides-list.html>.

Chat Throttling

A security feature has been added to web chat to prevent a single chat client from creating multiple chats and flooding chat queues with spam chats.

- The feature limits the number of chats that can be created from one IP address in one hour.
- This feature is configured in the Security configuration section (Security > Access Restrictions > Blocked Visitors) of the Administration Console and is disabled by default.

For details about configuring this feature, see the *Enterprise Chat and Email Administrator's Guide to Administration Console* at <https://www.cisco.com/c/en/us/support/customer-collaboration/cisco-enterprise-chat-email/products-maintenance-guides-list.html>

Audit Reporting for Administration Actions

- All actions performed by an administrator in the application are logged and can be viewed in the Administration Console.
- The new audit interface can be used to view, filter, and trace any specific administrator action performed in the last four weeks.
- This feature ensures that any actions performed in the application can be reviewed and any unintended results can be resolved easily.

For details about configuring this feature, see the *Enterprise Chat and Email Administrator's Guide to Administration Console* at <https://www.cisco.com/c/en/us/support/customer-collaboration/cisco-enterprise-chat-email/products-maintenance-guides-list.html>.

Aria Chat Template

A new chat template, Aria, is available with this release. Aria uses an updated template structure that separates the core and custom components that allows for the styles, appearance, and formatting of the template to be further customized easily.

For more information about personalizing chat templates, see the Enterprise Chat and Email Administrator's Guide to Chat Resources at <https://www.cisco.com/c/en/us/support/customer-collaboration/cisco-enterprise-chat-email/products-maintenance-guides-list.html>.

Support for Grammarly in the Agent Gadget

The Grammarly browser plugin is now supported in the Agent Console.

APIs

Improved Interaction APIs

Interaction APIs is enhanced to provide the following functionality:

- Users can compose activities with an active queue.
- Users do not need the View Tools Console action to mask the activity if the users with Manage Utilities action is assigned.
- Users assigned with Manage Utilities action can complete activities.
- Users can create a contact point of the apple opaque ID type using the following APIs:
 - Create Individual Customer
 - Edit Individual Customer
- Users can retrieve purge flags and the contact points of the apple opaque ID types using the Get activity by ID and Activity Search APIs.
- Users can edit the content of completed email and chat activities.

With ECE 12.6(1) ES2, the following changes are made to ECE APIs to enhance the experience of obfuscation of customer data:

- Customer search API: Enhanced to incorporate the date of customer creation. The API has a range parameter and returns a list of customers in the specified range.
- Obfuscate customers API: Introduced to obfuscate customers asynchronously. Only one customer information is processed at any given time. As part of running this API, the information of customers that are provided in the request is obfuscated from the application.
- Get Obfuscate Request Status API: Allows users to retrieve the status of a CSV file that is used in the obfuscate customer request. The status helps to identify the successful and failed transactions in the obfuscate customer API request.

Before running the obfuscation APIs, consider the following recommendations:

- Run the APIs during nonbusiness hours.

- Have the number of customers to be obfuscated. The time taken will be high when the number of customers is more.
- To estimate the time taken to run the APIs, refer to the time guidance calculator.
- Run these APIs when there are no maintenance tasks scheduled.

Messaging APIs

New Messaging APIs have been added to allow users to deactivate the webhook callback URL.

- The following new message types are now supported: Delivered, Read and Geolocation
- Customers can retrieve the contact points of the apple opaque ID type by using the Get Conversation Details API.

Routing

Preferred Agent for Chats

Agents can now be set as the preferred agent for a particular customer during chat interactions. After the preferred agent is set, the routing of incoming chat activities from the same customer is configured by Unified CCE scripts to consider the preferred agent for the incoming chat.

- Administrators must add and configure the Queue to Agent node in the Unified CCE script by referencing Call.PreferredAgentID. For more information, about [Configuring Queue to Agent Node](https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cust_contact/contact_center/icm_enterprise/icm_enterprise_12_6_1/User/guide/ucce_b_scripting-and-media-routing-guide_12_6.html), see the Scripting and Media Routing Guide at https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cust_contact/contact_center/icm_enterprise/icm_enterprise_12_6_1/User/guide/ucce_b_scripting-and-media-routing-guide_12_6.html.
- The following settings are added to the ECE Administration Console to allow administrators to refine their routing methods for chats in the application.
 - Enable preferred agent assignment—To enable the preferred agent feature in the application.
 - Set last assigned agent as preferred agent—Automatically sends the skill target ID of the agent who most recently handled a customer's chat or messaging activity as the preferred agent ID for the customer to Unified CCE.
 - Allow agent to set preferred agent—Allows agents to mark themselves as the preferred agent for a customer.
 - Allow agent to reset preferred agent—Allows agents to clear the selected preferred agent for a customer.
 - Assign to preferred agent—Determines when to send the preferred agent ID to Unified CCE. One of the following options can be selected: Always, Logged In, and Available.
 - Ignore maximum load for preferred agent assignment—The preferred agent ID is sent to Unified CCE even if an agent has reached the maximum concurrent task limit for chat activities.
 - Preferred agent assignment duration—Determines the length of time for which an agent can be marked as preferred agent for a customer. This duration starts after an activity for which the preferred agent is set gets completed. After this duration is passed, standard routing method is used to assign chat activities.

- Preferred agent assignment duration in days—Determines the number of days for which an agent can be marked as preferred agent for a customer. This duration starts after an activity for which preferred agent is set gets completed.
- Auto-pushback chats from preferred agent—Decides whether to automatically push back chat activities from the preferred agent's inbox if the agent does not click the activity in the time defined in the Expiry time for auto-pushback for chats setting.

Updated Features

Administration

Storage Purge Management and Reporting

The Purge Job feature has been enhanced to the application, providing a self-serve method of purging data. The feature provides centralized reporting of allocated and used data across email and chat in the installation.

- The feature ensures businesses to reduce storage costs.
- The purge jobs process only needs to be configured once, allowing automatic purge jobs to run without any intervention from an administrator.
- The purge jobs process can operate with no service disruptions.
- Diagnostic information and audits are maintained for all purge jobs, ensuring that purge job errors and alerts are handled gracefully.

For more information, see the *Enterprise Chat and Email Administrator's Guide to Administration Console* at <https://www.cisco.com/c/en/us/support/customer-collaboration/cisco-enterprise-chat-email/products-maintenance-guides-list.html>.

Custom Attributes

The system now allows adding custom attributes to the Contact Person Data and make them visible in the Agent Gadget.

Shortcut Settings

A new Enable Shortcuts setting is now available, which can be used to enable or disable the keyboard navigation shortcuts in the Agent Console.

For details about configuring these features, see the *Enterprise Chat and Email Administrator's Guide to Administration Console* at <https://www.cisco.com/c/en/us/support/customer-collaboration/cisco-enterprise-chat-email/products-maintenance-guides-list.html>.

Object Limits

Maximum limit is introduced in the objects creation for performance reasons.

For more details about the object limits, see the *Enterprise Chat and Email Administrator's Guide to Administration Console* at <https://www.cisco.com/c/en/us/support/customer-collaboration/cisco-enterprise-chat-email/products-maintenance-guides-list.html>.

Agent Gadgets

Conversational View Improvements

- Agents and supervisors can now easily view all communication that has transpired between a customer and an agent through the Reply pane. The following activity types are included in the conversation view: Email, Chat.
- For activities selected from the Main Inbox, an agent can view the most recent communication to and from a customer by clicking the View Conversation option.
- From the Chat Inbox, an agent can scroll up through the chat transcript in the Reply pane. All messages that a customer has sent to and received from the application are displayed. This includes previous chat interactions with other agents.

For details about this features, see the *Enterprise Chat and Email Agent's Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/cisco-enterprise-chat-email/products-user-guide-list.html>

Chat Monitors

Supervisors can now select multiple agents and queues for monitoring in the Agent Console.

For details about this features, see the *Enterprise Chat and Email Agent's Guide* at <https://www.cisco.com/c/en/us/support/customer-collaboration/cisco-enterprise-chat-email/products-user-guide-list.html>

Platform



Note To enable this enhancement in ECE 12.6(1), install the ECE 12.6(1) ES1 patch or the latest ECE ES patch.

ECDSA Support

ECDSA certificates are now supported across secured interfaces (internal and external) and Unified CC Enterprise web services.

Security

Several improvements are made to security and stability. The following vulnerabilities are addressed:

- CVE-2015-5182
- CVE-2020-13920
- CVE-2020-13947
- CVE-2020-1941
- CVE-2021-26117

- CVE-2021-21290
- CVE-2021-21295
- CVE-2021-23899
- CVE-2021-23900
- CVE-2021-20227
- CVE-2020-1945

For more details, refer to Cisco [ECE 12.6\(1\) ES1](#) readme file.

Outlook Rest API v2.0 Email Support

Microsoft deprecates Basic authentication. Hence, ECE application uses Outlook REST API version 2.0 for authentication through POP and IMAP protocols. From ECE 12.6(1) ES10 onwards, support for "IMAP and SMTP" and "POP3 and SMTP" for O365 will be deprecated. For more details, see the [Deprecated Features](#) section.

Reports Console

Edge Certification

If the support for Internet Explorer ends, then the reports can be accessed in the compatibility mode of Microsoft Edge.

Important Notes

All the interaction and messaging APIs will be restructured after ECE 12.6(1) release. This release adheres to OpenAPI Specification (OAS) and that results in:

- Standardized API URL formats across all APIs.
- Semantic versioning of the APIs.
- RESTful resource CRUD-based operations.
- Standardized request and response payloads.
 - Error formats, and Page Info.
- Consistent header and query string parameter naming.
 - Paging, Filtering, and Sorting.
- Adopting open standards.

Deprecated Features

Deprecated features are fully supported. However, there is no additional development for deprecated features. These features may be scheduled to be removed in a future release. Plan to transition to the designated replacement feature. If you are implementing a new deployment, use the replacement technology rather than the deprecated feature.

Table 5: Deprecated Features

Deprecated Feature	Announced in Release	Replacement	Notes
1500 agent OVAs	12.6 ES2	None	1500 agent OVAs stand deprecated and will be removed post 12.6.
Support for “IMAP and SMTP” and “POP3 and SMTP” for O365	12.6(1) ES10	Graph API	Microsoft has deprecated the Outlook REST API version 2.0. For email server configuration, the options “IMAP and SMTP” and “POP3 and SMTP” options will be replaced by Graph API only.
Aqua Chat Template	12.6(1)	None	Aqua template for chat is deprecated in ECE 12.6(1) release. Upgraded customers can continue to use the template. But no new features will be available on these templates.
Reports Console	12.6(1)	None	None

Removed and Unsupported Features

The features listed in the following table are no longer available.

Table 6: Removed and Unsupported Features

Feature	Effective from Release	Replacement
Abandoned Chat Notifications for partition users	12.6(1)	None Note The abandoned chat notifications can only be sent to department users.

Feature	Effective from Release	Replacement
Context Service	12.6(1)	None
Users administration section for PA administrator: <ul style="list-style-type: none">• Business• Personal• Miscellaneous	12.6(1)	None Note If any of these fields are used in ECE 12.5, it will no longer be accessible in 12.6(1).



CHAPTER 7

Cisco Unified Contact Center Management Portal

- [New Features, on page 49](#)
- [Updated Features, on page 49](#)
- [Deprecated Features, on page 50](#)

New Features

None.

Updated Features

Platform—Infrastructure

All new installations and systems upgrading to Release 12.6(1) must use Windows 2019 and Microsoft SQL Server 2019.

Agent Desk Settings Enhancements

Agents can now use multiple device types or shared lines while accessing the Cisco Finesse desktop. For example, an agent can use a physical phone while working at the contact center and a softphone, such as Jabber, while working at home.

Agent Desk Settings has two new options:

- **ACD shared line usage:** If enabled, this option allows agents to participate in a shared line experience.
- **Tone for auto answer:** This option enables a zip tone when the agent connects. The zip tone can only be enabled if auto-answer is enabled in the desk settings.

Agent Assist Services Enhancements

Agent Assist services can now be enabled per agent. Agent Assist services allow agents to use Cisco Answers and provide seamless responses and suggestions to customer queries.

Call Manager Provisioning Enhancements

This release includes enhanced provisioning for CUCM person, controlled devices and IP Phone provisioning with owner person, and controlled device mapping.

Deletion of Unified CCE Resources Referenced in Scripts

When you attempt to delete Unified CCE resources from the Resource Manager gadget, the system now checks whether the resources are referenced in any scripts. If so, a message is displayed, prompting you to remove the resource from any scripts before proceeding.

Supported Browsers

This release supports the following browsers:

- Microsoft Edge (Chromium)
- Google Chrome
- Mozilla Firefox

Unified CCMP Release 12.6(1) does not support any version of Internet Explorer.

Improved Version Information for Application

The About Unified CCMP page in the application now shows more detail and in a more user-friendly format. The page includes information about the release name, release version number, and the patch history for the installation.

Deprecated Features

The following features are deprecated in this release.

SOAP Support for Resource Manager APIs

SOAP support for resource manager APIs will be removed post release 12.6(1). Only REST-based access will be supported.

Legacy Resource Manager

Legacy Resource Manager, the traditional three-pane view to manage and maintain resources on Unified CCE, will be removed post release 12.6(1). There will be no new features, enhancements, or bug fixes for Legacy Resource Manager. We recommend that you use the Resource Manager gadgets available with Unified CCMP for resource management-related tasks.

XML Format Support for Web Service APIs

Web Service APIs will now only support the JSON format as the support for the XML format will be removed post release 12.6(1).



CHAPTER 8

Cisco Unified Contact Center Domain Manager

- [New Features, on page 51](#)
- [Updated Features, on page 51](#)
- [Deprecated Features, on page 52](#)

New Features

None.

Updated Features

Platform—Infrastructure

All new installations and systems upgrading to Release 12.6(1) must use Windows 2019 and Microsoft SQL Server 2019.

Agent Desk Settings Enhancements

Agents can now use multiple device types or shared lines while accessing the Cisco Finesse desktop. For example, an agent can use a physical phone while working at the contact center and a softphone, such as Jabber, while working at home.

Agent Desk Settings has two new options:

- **ACD shared line usage:** If enabled, this option allows agents to participate in a shared line experience.
- **Tone for auto answer:** This option enables a zip tone when the agent connects. The zip tone can only be enabled if auto-answer is enabled in the desk settings.

Agent Assist Services Enhancements

Agent Assist services can now be enabled per agent. Agent Assist services allow agents to use Cisco Answers and provide seamless responses and suggestions to customer queries.

Call Manager Provisioning Enhancements

This release includes enhanced provisioning for CUCM person, controlled devices and IP Phone provisioning with owner person, and controlled device mapping.

Deletion of Unified CCE Resources Referenced in Scripts

When you attempt to delete Unified CCE resources from the Resource Manager gadget, the system now checks whether the resources are referenced in any scripts. If so, a message is displayed, prompting you to remove the resource from any scripts before proceeding.

Supported Browsers

This release supports the following browsers:

- Microsoft Edge (Chromium)
- Google Chrome
- Mozilla Firefox

Unified CCDM Release 12.6(1) does not support any version of Internet Explorer.

Improved Version Information for Application

The About Unified CCDM page in the application now shows more detail and in a more user-friendly format. The page includes information about the release name, release version number, and the patch history for the installation.

Deprecated Features

The following features are deprecated in this release.

SOAP Support for Resource Manager APIs

SOAP support for resource manager APIs will be removed post release 12.6(1). Only REST-based access will be supported.

Legacy Resource Manager

Legacy Resource Manager, the traditional three-pane view to manage and maintain resources on Unified CCE, will be removed post release 12.6(1). There will be no new features, enhancements, or bug fixes for Legacy Resource Manager. We recommend that you use the Resource Manager gadgets available with Unified CCDM for resource management-related tasks.

XML Format Support for Web Service APIs

Web Service APIs will now only support the JSON format as the support for the XML format will be removed post release 12.6(1).



CHAPTER 9

Webex Workforce Optimization

- [New Features, on page 53](#)
- [Updated Features, on page 66](#)
- [Deprecated Features, on page 66](#)
- [Removed and Unsupported Features, on page 66](#)

New Features

WFM - Intraday Re-forecasting

Webex WFO now supports WFM Intraday Reforecasting, a powerful enhancement that enables supervisors to realign staffing throughout the day based on the latest demand. By quickly generating and implementing revised forecasts, teams can efficiently address unexpected events like call surges or agent absences with increased precision and flexibility.

This functionality enhances intraday management, supporting contact centers in boosting service levels, minimizing both overstaffing and understaffing, and ensuring well-balanced schedules. With unlimited reforecasts accessible directly from the Intraday Staffing view, supervisors can make informed, data-driven staffing decisions seamlessly, without interrupting current workflows.

For more information, refer to [View staffing levels and actual need](#).

New Media Player Interface

Webex WFO now supports a refreshed Media Player interface designed for a cleaner, more intuitive user experience. This transition from dense, static panels to a sleek, modular design, the new UI ensures that essential information is available exactly when needed, reducing visual clutter and improving workflow efficiency.

Key Benefits:

- **Modernized Aesthetic:** Updated styling and a refined color palette provide a fresh, contemporary look.
- **Flexible, Modular Layout:** Easily expand or collapse sections to optimize your screen space and maintain focus on the task at hand.
- **Contextual Metadata:** Information is displayed on-demand, ensuring you have the data you need without overwhelming your view.

- **Personalized Viewing:** Use a centralized menu to quickly show or hide key elements, such as Transcripts, Audio, Sentiment, and Phrase Hits.

For more information, see [Play contacts with the new media player](#).

WFM - New Forecasts Viewing Page

Webex WFO now supports a new Forecasts Viewing page on the web that provides enhanced visualization of forecast charts alongside workload and skills interval data for specific skills, combining capabilities currently available in the WFM client. This new page will operate alongside the existing web forecast page, giving users flexible options for viewing forecast information and enabling a seamless transition of these features to the web platform.

In addition, editing capabilities for forecast workload and skill data will soon be available on this page, including convenient copy and paste functionality within the workload and skill grid components.



Note The client version of the forecast page will continue to be supported and will not be retired.

For more information, see [Forecasts Tool \(web\)](#).

Manage Workflow Control Sets on the Web

Webex WFO now supports Workflow Control Set management directly on the web. This transition from the WFM client to the browser-based interface provides a more streamlined, centralized administration experience, supporting easier access and ongoing platform modernization.

For more information refer to [Manage workflow control sets and profiles in the web](#).



Note This functionality transitions to the web-based platform through a phased rollout between March 31, 2026, and April 6, 2026. Effective April 6, 2026, all WFM workflow control set operations are exclusively managed via the web portal. To maintain uninterrupted service, ensure that all WFM workflow control sets are fully migrated by this date.

Expanded Language Support in Webex WFO Analytics

Webex WFO Analytics now supports seven additional languages: Turkish, Filipino, Thai, Bahasa, Greek, Hungarian, and Czech. This enhancement extends analytics coverage across both voice and digital channels, enabling broader global adoption. Customers can now leverage key capabilities, including Auto QM, Interaction Summary, Trending Topics, and Advanced Sentiment in these languages, ensuring consistent, AI-driven insights and quality analysis across more regions and customer interactions.

For more information, see [Localization and supported languages](#).

WFM Agent Assist

Agent Assist is now live in Webex WFO, helping administrators streamline schedule-related interactions with agents while maintaining control over workforce policies. The GenAI-powered assistant evaluates every agent request against configured WFM rules, permissions, and eligibility criteria before actions are submitted or approved.

By automating validation and handling common scheduling interactions, Agent Assist reduces repetitive administrator workload while keeping workforce operations compliant and consistent. It is available in 59 languages.

Key Benefits:

- Reduce repetitive agent inquiries related to schedules and availability
- Ensure requests follow defined WFM rules and permissions
- Maintain consistent policy enforcement at scale
- Spend more time on intraday management and agent support

For prerequisites and other details, refer to [About Agent Assist](#).

This feature will need the Full WFM SKU.

Enhanced Live Screen Monitoring

Webex WFO has enhanced Live Screen Monitoring to provide supervisors sharper, targeted visibility across agent workspaces. With this enhancement, supervisors will be able to select and focus on individual monitors during live sessions, enabling clearer insights into key workflows.

Key Benefits:

- **Precision Monitoring:** Easily focus in on the most important screen.
- **Improved Clarity:** View details without distraction for better coaching and compliance.
- **Optimized Experience:** Designed for multi-monitor environments to simplify monitoring.

For more information, see the "Monitor an Agent's Screen" section at [Monitor agents in real time](#).

Coaching Effectiveness Dashboard in Performance Management

Webex WFO Performance Management has launched the Coaching Effectiveness Dashboard, a new tool that enables supervisors to gain insights into how coaching is delivered across teams and to assess its overall impact.

Key Benefits:

- View coaching activity and impact across teams in one place
- Spot performance trends quickly and take action with confidence
- Identify which coaching methods are effective and pinpoint areas that have potential for improvement

Performance Management requires customers to sign in through their configured Tenant Specific URL. For more information, refer to [Tenant Specific URL for Webex WFO Users](#).

This feature requires a minimum of Full WFM, Full QM, or WFO Bundle to access Performance Management. For more information, see [View coaching effectiveness in Performance Management](#).

WFM with Trending Topics

Webex WFO is introducing Trending Topics in WFM, an AI-powered capability that provides deeper operational insights within Workforce Management. By analyzing thousands of customer interactions, Trending Topics identifies emerging themes and topics, helping to explain increases in interaction volume or average handle time.

Key Benefits:

- Identifies emerging trends in customer interactions to support informed staffing decisions.
- Highlights changes in customer discussion topics to optimize scheduling.
- Identifies coaching and training opportunities based on trending themes.
- Flags potential issues early, enabling proactive resolution before escalation.

This feature will need a minimum of Webex WFO Bundle SKU and Enterprise Analytics 100 Interactions Addon SKU.

For more information, see [View and analyze topics in WFM](#).

Vacation Planner Pro

Vacation Planner Pro in Webex WFO streamlines and automates the management of vacation requests for contact centers, ensuring a fair and efficient process. By eliminating the need for spreadsheets or manual approvals, this feature is seamlessly integrated within Webex WFO.



Note This feature will need a minimum of Webex WFO Bundle SKU and Enterprise Analytics 100 Interactions Addon SKU.

What to Expect

- Agents can submit and manage vacation requests directly from the Webex WFO web or mobile app.
- Supervisors can configure vacation rules, including daily allowance, open periods, or required lead times and implement fair assignment methods such as performance-based ranking, seniority, or first-come, first-served.
- Availability is automatically updated whenever vacations are added, modified, or cancelled.
- With Vacation Change, agents can request alternative dates after their initial approvals. Waitlisting and rule-based automatic approvals help maintain a fair process.

Key Benefits

- **Fair and transparent:** Every agent sees a clear and unbiased process, even during peak holiday periods.

- **Time-saving:** Removes the need for spreadsheets and manual reconciliation, saving valuable supervisor hours.
- **Compliant:** Meets union and local labor requirements by ensuring vacations are assigned according to defined rules.
- **Agent-friendly:** Empowers employees with self-service options, supporting better work-life balance.
- **Performance-aligned:** Enables organizations to reward tenure or KPIs by factoring them into vacation approvals.

For more information, see <https://wfohelp.com/doc/Content/user-guides/vacation-planning/overview.htm>.

Insights Data Export Service

The Insights Data Export Service for Webex WFO provides direct access to your Insights data. Rather than relying on manual downloads, your data is securely delivered to your Amazon S3 bucket, allowing seamless integration with your existing tools and systems.



Note This feature will need a minimum of Webex WFO Bundle SKU and Enterprise Analytics 100 Interactions Addon SKU.

What to Expect:

- Exports data across Analytics, QM, WFM, and Call Recording subject areas.
- Supports incremental exports (records added, changed, or deleted since the last export).
- Ensures secure, reliable transfers with built-in error checking and automatic retries.

Key Benefits:

- **Seamless access:** Data is always available and export-ready with no coding required.
- **Trusted and secure:** Delivered via secure S3 Access Points with integrity safeguards.
- **Scalable:** Built to handle your growing data needs over time.
- **Time-saving:** Automates data workflows, eliminating the need for manual effort by your teams.



Note To enable the Insights Data Export Service, please contact your Cisco Customer Success Manager or Cisco Support for details.

For more information, see [Set up Insights data export service](#) and [Insights data export service data model dictionary](#).

Performance Management

Webex WFO has introduced Performance Management, a new solution that unifies coaching, performance metrics, and agent development in one experience. It connects key data from QM and WFM to give supervisors

a complete view of performance, helping them track progress, improve coaching effectiveness, and empower agents with timely visibility into their goals.

For additional details, please refer to [Performance Management on Webex WFO](#).



Note Customers must sign-in through their Tenant Specific URL to access Performance Management. For more information, refer to the <https://help.webex.com/en-us/article/nw6wf91/Tenant-Specific-URL-for-Webex-WFO-Users>.

Tenant-Specific URL

Tenant-Specific Sign-In URL are now live in Webex WFO. This new tenant-based sign-in process provides each Webex WFO tenant a dedicated subdomain, offering a more secure and streamlined way to sign in. It also enables access to the Performance Management module within Webex WFO.

Your existing sign-in method will remain active for the foreseeable future to ensure a smooth transition for your organization.

Key Benefits:

- A more streamlined sign-in experience when accessing Webex WFO
- Fewer lockouts, fewer errors, and easier password resets
- Seamless switching between modules - no more re-authenticating
- Prepares you for future enhancements
- Delivers a more personalized experience with tenant-specific subdomains
- Access to the new Performance Management application

Actions Required for Administrators

- Administrators are responsible for communicating the new tenant-specific sign-in URL to internal users.
 - To locate your tenant-specific URL and view configuration details, please refer to the instructions provided in the configuration documentation [Tenant Specific URL for Webex WFO](#).
 - Administrators should sign-in to Webex WFO and follow the steps mentioned in the screen modal to access the feature (In product Tip Guide).

Plans

Plans is now available in Webex WFO. This intelligent, web-based scheduling tool is designed to streamline future workforce planning. It introduces dynamic planning groups, configurable periods, and built-in validation checks, all aimed at minimizing errors and reducing manual effort. With one-step scheduling and day-off optimization, planners benefit from faster and more consistent results. Planners stay in control using publishing tools, change tracking, and seamless interoperability with the WFM Client, enabling smarter, scalable, and future ready schedule creation.

Key Benefits:

- Faster scheduling with automated day-off optimization
- Improved accuracy through pre-scheduling validations
- Structured planning periods for consistent scheduling cycles
- Dynamic agent grouping that adapts to staffing changes
- Real-time control and visibility over publishing

For more information, see <https://www.wfohelp.com/doc/Content/user-guides/plans/plans.htm>.

Advanced Sentiment

Webex WFO has rolled out Advanced Sentiment, offering deeper and more focused insights into customer interactions. Powered by Generative AI, this feature improves understanding of the full context of the entire conversation, bringing greater clarity, stronger coaching potential, and more effective quality monitoring. It helps contact center teams make faster and smarter decisions.

For a detailed breakdown of full capabilities, see [Advanced Sentiment on Webex WFO](#).

New WFM Datasets and Dashboards Available in Insights

Webex WFO has introduced new resources in **Insights** to provide Classic WFM cloud customers with deeper scheduling and performance insights. The "WFM (Classic)" folder now includes 7 new datasets and 5 new dashboards.

The following new datasets are added for WFM:

- **WFM Agent Schedule and Statistics:** Combine planned schedules with actual agent activity for easy comparison.
- **Forecast Workload and Queue Stats:** Supports recreating **Data Explorer Forecast** dashboards and custom versions.

The following new dataset is added for Quality Management and Conversation Intelligence:

- **Contacts with Phrases and Evaluations:** Analyze interaction data alongside evaluations, phrase hits, and Trending Topics.

We have released 13 new datasets supporting the WFM Group Pages feature in Insights. These mirror existing WFM datasets and use the same names with a "(Group Pages)" suffix.

For example:

- **Original dataset:** Agent Schedule Adherence
- **New dataset:** Agent Schedule Adherence (Group Pages)



Note Use these Group Pages datasets only if your dashboard requires Group Pages data. To prevent over-counting, make sure to use the WFM Group Page field as a grouping or filter in each visual.

You can find the new fields in the *Organization* folder within each dataset.

https://wfhelp.com/doc/Content/user-guides/insights-bi/get-started/how-insights-works.htm?tocpath=Data%20Analysts%7CInsights%7C_____1

Contact Queue Enhancements

Webex WFO now includes powerful enhancements to the Contact Queue, making it easier to create, manage, and track Contact Goals across teams and evaluators.

These updates make it easier to manage goals, target on the right conversations, and improve the experience for both Assignors and Assignees. Evaluators can now see more of their queues at once, track progress in real time, and complete evaluations more easily.

Key Benefits:

- Create more precise Contact Goals with flexible team or agent targeting.
- Use advanced logic to surface the most relevant conversations for evaluation.
- View multiple queued contacts at once for better planning and prioritization.
- Track goal progress with clear visibility and status indicators.
- Manage goals more easily with improved user experience.

These enhancements support smarter evaluation workflows, more accurate results, and a better experience across the entire quality process.

For more information, see the following topics:

- <https://wfhelp.com/doc/Content/user-guides/application-management/contact-goal-administration-v2.htm>
- <https://wfhelp.com/doc/Content/user-guides/recordings/contact-queue-v2.htm>

Absence and Attributes

Absence and Attributes is an upcoming capability that allows administrators to add additional details to absences using attributes. This update enhances reporting capabilities by enabling custom attributes for personal account balances and absence types and provides more flexibility in tracking and management.

Key benefits:

- Detailed tracking of absence types
- Reporting the number of hours scheduled for each absence attribute

With more detailed tracking and better alignment with specific business needs, Absence Attributes will simplify the management of available balances and improve overall workforce planning.

Basic WFM and QM Offerings

Webex WFO has expanded its portfolio with the launch of Basic WFM and Basic QM. These streamlined options are designed to help contact centers start strong with essential scheduling and evaluation tools. Built for teams moving off spreadsheets or basic recording setups, these packages make it easier to improve staffing accuracy, boost agent engagement, and drive consistent service quality from day one.

For a detailed breakdown of full capabilities, see [Basic WFM and QM Offerings on Webex WFO](#).



Note You can place an order using the relevant SKUs (Basic WFM and Basic QM) and provide provisioning information for services.

For ordering details, see the *Cisco Webex Contact Center Ordering Guide and Cisco Collaboration Flex Plan Contact Center Ordering Guide* at the <https://www.cisco.com/c/en/us/partners/tools/collaboration-ordering-guides.html>.

Enterprise Analytics

Enterprise Analytics is now available in Webex WFO, introducing a new set of AI-powered capabilities that help contact centers analyze conversations more effectively, surface key trends, and evaluate performance at scale. With Auto QM, Trending Topics, and Interaction Summary working together, teams can uncover what matters most, reduce manual effort, and drive smarter, faster decisions across every customer interaction.

For a detailed breakdown of full capabilities, see, [Enterprise Analytics on Webex WFO](#).

For additional information, see the following topics:

- <https://wfohelp.com/doc/Content/user-guides/analytics/navigating-autoQM.htm>
- <https://wfohelp.com/doc/Content/user-guides/analytics/understanding-AutoQM-evaluation.htm>
- <https://wfohelp.com/doc/Content/user-guides/analytics/trending-topics.htm>
- <https://wfohelp.com/doc/Content/user-guides/media-player/data-insights-panel.htm>
- <https://wfohelp.com/doc/Content/user-guides/analytics/interaction-summary.htm>



Note You can place an order using the relevant SKUs (Basic WFM and Basic QM) and provide provisioning information for services.

For ordering details, see the *Cisco Webex Contact Center Ordering Guide and Cisco Collaboration Flex Plan Contact Center Ordering Guide* at the <https://www.cisco.com/c/en/us/partners/tools/collaboration-ordering-guides.html>.

Activity Requests

Activity Requests is now available in Webex WFO, improving Agent Self-Scheduling by enabling agents to request time for non-scheduled activities like training, administrative tasks, and development opportunities directly within their assigned schedules. Automation plays a crucial role in the process. When an agent adds an activity, the system handles the request according to the following predefined rules:

- The system instantly approves activities classified as auto-approved.
- Activities requiring manual approval stay pending until reviewed and approved by a team lead.
- Staffing-dependent activities are automatically approved or denied based on real-time staffing levels.

Key benefits:

- Minimize manual work through automated approval workflows
- Align scheduling decisions with staffing requirements and business objectives
- Balance oversight and flexibility while enabling a more agile and self-directed workforce

For more information, see [Configure activity request settings in WFM](#).

Periodization of Agent's Work Hours

Periodization is now available in Webex WFO, enabling contact centers to balance an agent's working hours over extended periods, such as a quarter or year, to align with contractual targets.

Benefits of Periodization:

- Improves work-hour flexibility
- Prevents agent overtime costs
- Manages agent under-utilization
- Controls regulatory violations
- Optimizes staffing based on time-based demand patterns
- Ensures that the required number of agents with necessary skills are scheduled for both peak and off-peak times
- Improves service levels while reducing costs
- Enhances resource allocation and scalability for long-term workforce planning

For more information, see [Periodization](#).

New Transcription Engine Now Live

We are excited to announce the rollout of the New Transcription Engine for Webex WFO customers, offering significant improvements in accuracy, speed, and scalability.

This cloud-based solution is designed to provide faster turnaround times and more consistent transcription quality across supported languages.

What to Expect:

- Experience up to 20% increase in accuracy for US English, along with significant improvements across other supported languages.
- Transcriptions are now delivered more quickly, enabling faster access to insights and accelerating workflows.
- Seamless Transition.
- Historical transcription data remains unchanged.
- All new and ongoing transcriptions automatically benefit from the upgraded engine.
- Built on a cloud-native architecture to support rapid processing and scalable deployment.

- Designed with data localization and compliance in mind to meet business and regulatory requirements.

Why It Matters:

- Delivers more accurate and actionable transcriptions for QA, compliance, and insights.
- Enhances business intelligence through improved text analytics, sentiment tracking, and searchable conversation data.
- Drives operational efficiency with faster access to conversation transcripts, enabling quicker follow-up and coaching.

Support for [15+ global languages](#), including English, Spanish, French Canadian, German, Arabic, and more.

Insights

Insights is a modern, fully featured BI solution with a range of features and improvements designed to significantly enhance your data access and visibility within Webex WFO.

Reasons to get excited about Insights:

- The Insights experience is designed for streamlined data exploration and analysis, while being easy for non-technical users to independently create reports and dashboards.
- AI-powered and highly customizable to help accelerate decision making
- Offers a broad range of visualizations
- Suitable for both efficient ad-hoc analysis and rich dash-boarding

Here is a [short video](#) to provide an overview of all the new capabilities that Insights brings to the table.



Note **Insights has replaced Data Explorer.** However, for **Workforce Management (WFM) customers**:

- Most WFM customers are already using Insights and many have [manually disabled Data Explorer](#).
- Classic WFM customers have started their transition to Insights since April 30, 2025. Many customers who also use QM and Analytics have already begun the transition.
- In a few cases, alternate timelines have been arranged for some customers. These customers have already been notified of their timelines.
- Some customers using Data Explorer export APIs are waiting on release of the new Insights Export Service to complete their journey.

For all these WFM customers mentioned above, Data Explorer is planned to be decommissioned on **June 30th, 2025**.

Improve Workforce Efficiency using Webex WFO Notifications

Notifications is an enhancement in Webex WFO designed to improve awareness and response for both agents and supervisors.

Key use cases supported by Notifications:

- **Shift Bidding Window Closing Notifications** - Agents who haven't placed their bids receive alerts 24 hours before the deadline via the MyTime Web App, Mobile App, and browser notifications. This helps optimize shift allocations and prevents missed bids.
- **Absence Request Notifications** - When an agent submits a time-off request through the Request Module, their team lead or supervisor receives a persistent in-app notification, pop-up notification, or system push notification.

The system applies rules to auto-approve, deny, or waitlist the request. If no rule applies, the request remains Pending, triggering a notification for supervisor review. Since these notifications operate at the team level, any transferred agent's new supervisor automatically receives the request for action.

Benefits of Notification

- Delivers timely notifications
- Enhances scheduling efficiency
- Reduces administrative workload
- Ensures seamless communication between agents and supervisors

For more information, see the following topics:

- [Notification Settings](#)
- [Display User Info](#)
- [Manage Basic User Info](#)
- [Configure Organization Hierarchy](#)

Introducing Sessions for Streamlined Scheduling and Enhanced Agent Management

Sessions is now live, streamlining the scheduling and management of agent activities beyond traditional shift planning. It allows managers to efficiently allocate time for training and other unscheduled tasks across a group of agents.

With features like automated, evenly distributed activities and drag-and-drop scheduling, Sessions reduces administrative effort and enhances flexibility.

Benefits of the Sessions feature:

- Provides clear visibility into agent allocation and performance for data-driven decision-making.
- Boosts operational efficiency.
- Supports agent development and engagement.
- Helps contact center teams stay organized and balanced.
- Keeps teams focused on continuous improvement.
- Aligns with broader business objectives. For more information, see [Manage Session](#).

Global Language Support for Phrase Categories

Webex Workforce Optimization (Webex WFO) now offers improved multilingual support, simplifying the management of mixed-language conversations while maintaining accuracy across various contexts. Users can now utilize the same category name in multiple languages.

Key Updates:

- Accurate representation of multilingual contexts, including mixed-language conversations.
- Effective handling of consistent terms, such as brand names, that remain unchanged across languages.
- Enhanced flexibility in categorizing the same word or phrase across different languages.
- These enhancements make Webex WFO even more attuned to customer needs, providing a smoother and more user-friendly experience.

For more information, see the following topics:

- [Create and manage phrases and phrase categories](#)
- [Localization and supported languages](#)

Bulk Interaction Tool for Deletion and Updates

Webex WFO has introduced a self-service bulk contact deletion feature, enabling users to efficiently remove multiple contacts simultaneously without the need for manual, one-by-one deletions.

- Effortlessly delete interactions recorded in error or those containing unredacted sensitive data.
- Minimizes the need for development team intervention, conserving engineering resources.
- Empowers users with greater control over data management, thereby reducing the volume of support cases.

For more information, see [Delete or update multiple contacts at once](#).

Bulk Transfer User Data

Webex WFO Bulk transfer of user data provides a more efficient and user-friendly solution to transfer data from one user to another when an employee has more than one user account. This feature also enables you to transfer data for up to 2,000 users in bulk at once.

For more information about bulk data transfer, see the *About user data transfer for QM and Analytics* and *Transfer user data for QM and Analytics* topics at:

- [Transfer User Data](#)
- [About Transfer User Data](#)

Updated Features

Sessions for Streamlined Scheduling and Enhanced Agent Management

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With features like automated, evenly distributed activities and drag-and-drop scheduling, Sessions reduces administrative effort and enhances flexibility.

Benefits of the Sessions feature:

- Provides clear visibility into agent allocation and performance for data-driven decision-making.
- Boosts operational efficiency.
- Supports agent development and engagement.
- Helps contact center teams stay organized and balanced.
- Keeps teams focused on continuous improvement.
- Aligns with broader business objectives. For more information, see [Manage Session](#).

Deprecated Features

None.

Removed and Unsupported Features

The features listed in the following table are no longer available.

Feature	Effective from Date	Replacement	Notes
Webex WFO Data Explorer	24 October, 2024	Webex WFO Insights	

Feature	Effective from Date	Replacement	Notes
			<p>The shutdown timeline for Webex WFO's Data Explorer has been extended from June 30, 2025 to July 30, 2025. After July 30, 2025, customers will no longer have access to Data Explorer and are expected to leverage Webex WFO Insights for all reporting needs. With the recent launch of Classic WFM datasets, this extension provides Classic WFM customers with additional time to familiarize themselves with Insights and move comfortably to the new reporting experience.</p> <p>Here is a summary of Webex WFO Insights:</p> <p>Insights is a modern, fully-featured BI solution with a range of features and improvements designed to significantly enhance your data access and visibility within Webex WFO.</p> <p>Reasons to get excited about Insights:</p> <ul style="list-style-type: none"> • The Insights experience is designed for streamlined data exploration and analysis, while being easy for non-technical users to independently create reports and dashboards. • Highly customizable to help accelerate decision making

Feature	Effective from Date	Replacement	Notes
			<ul style="list-style-type: none"> • Offers a broad range of visualizations • Suitable for both efficient ad-hoc analysis and rich dash-boarding. <p>Here is a short video to provide an overview of the capabilities that Insights brings to the table.</p> <p>https://wfohelp.com/doc/Content/user-guides/insights-bi/get-started/insights-bi-Data-Explorer-1.</p> <p>If your organization has already completed the transition to Insights, you also have the option to manually disable Data Explorer before it is automatically decommissioned.</p> <p>https://wfohelp.com/doc/user-guides/insights-bi/Data-Explorer-1</p>



CHAPTER 10

Caveats and Limitations

- [Caveat Queries by Product](#), on page 71
- [Severity 3 or Higher Caveats for Release 12.6\(1\)](#), on page 72

Caveat Queries by Product

Bug Search Tool

If you have an account with Cisco.com, you can use the Bug Search tool to find caveats of any severity for any release. Access the Bug Search tool at <https://bst.cloudapps.cisco.com/bugsearch/>. Enter the bug identifier in the search box, and press return or click **Search**.

To access a list of open caveats and resolved caveats (rather than an individual caveat) for a particular product or component, see the relevant sections later in these notes.

You can also choose your own filters and criteria in the tool to see a specific subset of caveats, as described in the following table.

If you choose this in Releases	And you choose this in Status	A list of the following caveats appears
Affecting or Fixed in these Releases OR Affecting these Releases	Open	Any caveat in an open state for the release or releases you select.
Fixed in these Releases	Fixed	Any caveat in any release with the fix applied to the specific release or releases you select.
Affecting or Fixed in these Releases	Fixed	Any caveat that is either fixed or occurs in the specific release or releases you select.
Affecting these Releases	Fixed	Any caveat that occurs in the release or releases you select.

Severity 3 or Higher Caveats for Release 12.6(1)

Use the following links to the Bug Search Tool to view a list of Severity 3 or higher caveats for each solution or component for the current release. You can filter the result by setting the filter values in the tool.



Note If the list of caveats does not automatically appear when you open the browser, refresh the browser.

Cisco Unified Contact Center Enterprise

[https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=268439622&rls=12.6\(1\)&sb=anfr&svr=3nH&bt=custV](https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=268439622&rls=12.6(1)&sb=anfr&svr=3nH&bt=custV)

Cisco Packaged Contact Center Enterprise

[https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=284360381&rls=12.6\(1\)&sb=anfr&svr=3nH&bt=custV](https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=284360381&rls=12.6(1)&sb=anfr&svr=3nH&bt=custV)

Cisco Unified Intelligence Center and Cisco IdS

[https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=282163829&rls=12.6\(1\)&sb=anfr&svr=3nH&bt=custV](https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=282163829&rls=12.6(1)&sb=anfr&svr=3nH&bt=custV)

Cisco Cloud Connect

[https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&rls=12.6\(1\)&sb=anfr&bt=custV](https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&rls=12.6(1)&sb=anfr&bt=custV)

Cisco Unified Customer Voice Portal

[https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=270563413&rls=12.6\(1\)&sb=anfr&svr=3nH&bt=custV](https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=270563413&rls=12.6(1)&sb=anfr&svr=3nH&bt=custV)

Cisco Finesse

[https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=283613135&rls=12.6,12.6\(1\)&sb=anfr&bt=custV](https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=283613135&rls=12.6,12.6(1)&sb=anfr&bt=custV)

Cisco Customer Collaboration Platform

[https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=283613136&rls=12.6\(1\),12.6&sb=anfr&bt=custV](https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=283613136&rls=12.6(1),12.6&sb=anfr&bt=custV)

Cisco Unified Contact Center Management Portal

[https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=286325298&rls=12.6\(1\)&sb=anfr&svr=3nH&bt=custV](https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=286325298&rls=12.6(1)&sb=anfr&svr=3nH&bt=custV)

Cisco Unified Contact Center Domain Manager

[https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=286281169&rls=12.6\(1\)&sb=anfr&svr=3nH&bt=custV](https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=286281169&rls=12.6(1)&sb=anfr&svr=3nH&bt=custV)

Cisco Enterprise Chat and Email

[https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=286311237&rls=12.6\(1\)&sb=anfr&svr=3nH&bt=custV](https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=286311237&rls=12.6(1)&sb=anfr&svr=3nH&bt=custV)

Cisco Virtualized Voice Browser

[https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=286290211&rls=12.6\(1\)&sb=anfr&svr=3nH&bt=custV](https://bst.cloudapps.cisco.com/bugsearch/search?kw=&pf=prdNm&pfVal=286290211&rls=12.6(1)&sb=anfr&svr=3nH&bt=custV)

