



Release Notes for Cisco Unity Express Virtual Release 10.1

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Release Notes for Cisco Unity Express Virtual Release 10.1

This Release Notes document supports Cisco Unity Express Virtual Release 10.1.

We recommend that you read the field notices for Cisco Unity Express Virtual 10.1 to see if your software or hardware platforms are affected. If you have an account on Cisco.com, you can find the field notices at http://www.cisco.com/warp/customer/tech_tips/index/fn.html. If you do not have a Cisco.com login account, you can find the field notices at http://www.cisco.com/warp/public/tech_tips/index/fn.html.

System Requirements

The hardware and software requirements for Cisco Unity Express Virtual Release 10.1 are provided in the following sections:

Hardware Supported

The following table provides information on hardware recommendations for the Cisco UCS Server/E-Series platform.

Table 1: Virtual Machine Requirements for Cisco UCS Server/E-Series Platform

Mailboxes	CPU	RAM	Hard Disk	External Interface	Recording hours
1-100	>= 1.1 GHz, 1 core	4 GB	100 GB	1 Gigabit Interface	60
101-500	>= 1.9 GHz, 2 cores	4 GB	100 GB	1 Gigabit Interface	600

The following table provides information about the Kernel Virtual Machine recommendations on Cisco 4000 Series ISR Service Container.

Table 2: Kernel Virtual Machine Requirements for Cisco 4000 Series ISR Service Container

Mailboxes	CPU	RAM	Hard Disk	Flash	External Interface	Recording hours
1-200	As per Cisco 4000 Series ISR platform	8 GB	50 GB	8 GB	1 Gigabit Interface	120



Note You need a minimum of 8 GB memory to configure the virtual-service commands while installing and configuring the Cisco Unity Express Virtual Software.

Languages Supported

Cisco Unity Express Virtual 10.1 supports 24 different languages for the telephony user interface and the VoiceView Express user interface. However, the GUI pages, command-line interface (CLI) commands, and the Internet Message Access Protocol (IMAP) interface are available only in English.

Multiple languages can be added on the system after completing installation of the Cisco Unity Express Virtual software. Cisco Unity Express Virtual 10.1 supports the following languages:

- Arabic
- Chinese (Hong Kong)
- Chinese (Mandarin)
- Chinese (Traditional for Taiwan)
- Danish
- Dutch
- English (United Kingdom)
- English (United States)
- French (Canada)
- French (Europe)
- German
- Hungarian
- Italian
- Japanese
- Korean
- Norwegian
- Portuguese (Brazil)
- Portuguese (Portugal)

- Russian
- Spanish (Europe)
- Spanish (Latin America)
- Spanish (Mexico)
- Swedish
- Turkish

Cisco Unity Express Virtual Factory-Set Limits

This section describes the system limits for Cisco Unity Express Virtual. Sessions, such as mailboxes and Interactive Voice Response (IVR) are licensed in Cisco Unity Express Virtual.

Factory-set system limits are different for each network module type. See the following tables for the factory-set limits supported for each network module type.

The following table describes the various voicemail limits.

Table 3: Cisco Unity Express Virtual 10.1 Voicemail Limits

Voicemail Limits	Cisco UCS and Cisco UCS E-Series Server(up to 100 voicemails)	Cisco UCS and Cisco UCS E-Series Server(up to 500 voicemails)	Cisco 4000 Series Integrated Services Routers KVM Service Containers
Total Mailbox Storage (Hrs)	100	600	120
Number of Users	100	500	400
Number of IMAP sessions	250	250	100
Number of VoiceView sessions	32	32	20
Number of Groups	40	40	40
Number of Group Owners	400	400	400
Number of Group Members	1000	1000	1000
Number of Public Distribution Lists	25	25	25
Maximum List Members	1000	1000	1000
Maximum Remote Users	100	100	100
Maximum Remote Locations	500	500	500

Voicemail Limits	Cisco UCS and Cisco UCS E-Series Server(up to 100 voicemails)	Cisco UCS and Cisco UCS E-Series Server(up to 500 voicemails)	Cisco 4000 Series Integrated Services Routers KVM Service Containers
Maximum Cached Users	100	100	100
Maximum Number of Languages Supported at the Same Time.	5	5	5
Number of SIP/JTAPI Triggers	8	12	8
Total number of scripts Note Includes Custom scripts and System scripts.	16	16	16
Number of Custom AA Applications (nonsystem)	8	8	8
Custom Prompts Capacity per Installed Language	125 ¹ /250 ²	125/250	125/250

¹ Maximum number of prompts that can be saved

² Total disk space (in MB) allocated to prompts

The following table describes the various IVR limits.

Table 4: Cisco Unity Express Virtual 10.1 IVR Limits

IVR Limits	Cisco UCS and Cisco UCS E-Series Server (up to 100 voicemails)	Cisco UCS and Cisco UCS E-Series Server (up to 500 voicemails)	Cisco 4000 Series Integrated Services Routers KVM Service Containers
Max Size Template Documents	8 KB	8 KB	8 KB
Max Size Tiff Documents	512 KB	512 KB	512 KB
Max Size Generic Documents	512 KB	512 KB	512 KB
Number of Template Documents (Per Installed Language)	50	50	50
Number of Tiff Documents (Per Installed Language)	25	25	25

IVR Limits	Cisco UCS and Cisco UCS E-Series Server (up to 100 voicemails)	Cisco UCS and Cisco UCS E-Series Server (up to 500 voicemails)	Cisco 4000 Series Integrated Services Routers KVM Service Containers
Number of Generic Documents (Per Installed Language)	25	25	25
Number of Custom HTTP Triggers	8 ³	8 ⁴	4
Max Sessions for HTTP Triggers	IVR	IVR	IVR
Number of Custom IVR Applications	8	8	8
Number of Database Profiles	8	8	8
Number of Database Connections/Profiles	2 times IVR	2 times IVR	2 times IVR
Number of Attachments per E-mail	5	5	5
E-mail/Fax Max Queue Size	500	500	500
Number of VoiceXML Webapps	8	8	4

³ Number of licensed IVR sessions.

⁴ Number of licensed IVR sessions.

Cisco Unity Express Virtual Software License Activation

Cisco Unity Express Virtual Release 10.1 supports only Cisco Smart Software Licensing. For information on configuring Cisco Smart Licenses, see [Configure Cisco Unity Express 10.1 Using the GUI](#) and [Cisco Unity Express VoiceMail and Auto Attendant CLI Administrator Guide](#).

Software Compatibility

Cisco Unity Express Virtual is compatible with different versions of Cisco Unified Communications Manager and Cisco Unified Communications Manager Express. For information about Cisco Unity Express Virtual 10.1 compatibility, see the [Cisco Unity Express Compatibility Matrix](#).

Determining the Software Version and License

To determine the software version of Cisco Unity Express Virtual and the license being used, perform the following steps:

Procedure

	Command or Action	Purpose
Step 1	Log in to Cisco Unity Express Virtual using your ssh user credentials that was created during Cisco Unity Express Virtual installation. Example: ssh adminUser 192.0.2.10	The Cisco Unity Express Virtual software CLI prompt displays.
Step 2	show software versions Example: Router# show software versions	Displays the Cisco Unity Express Virtual software version.
Step 3	show license all Example: Router# show license all	Displays the Cisco Unity Express Virtual software license.

Limitations and Restrictions

This section describes the limitations and restrictions in Cisco Unity Express Virtual 10.1.

- Cisco Unity Express Virtual 10.1 supports only TLS v1.2 for HTTPS.

New Features and Enhancements

New Features and Enhancements for 10.1

This section describes the new features and enhancements in Cisco Unity Express Virtual 10.1:

- HTTPS is enabled by default. You need not manually generate a crypto key and pass it to the web session security to enable HTTPS. However, you should be able to import a signed certificate that you generated externally, and update the web session with this new key label. The command **no web session security keylabel labelname** is disabled. Therefore all the HTTP requests will be redirected to HTTPS. Only the latest connection is retained and the remaining connections are logged out.

The following sample output indicates the behavior of Cisco Unity Express Virtual 10.1, when trying to run the command **no web session security keylabel labelname** :

```
se-10-1-0-1(config)#no web session security keylabel mainkey.ourcompany
!!! INFO: HTTPS is the only web interface option for this version of vCUE.
Hence, no web session security is disabled.
```



Note During the factory reset of Cisco Unity Express Virtual 10.1, the HTTPS certificate on Cisco Unity Express Virtual 10.1 is removed. Therefore you must log in to generate the default certificate, and reload the Cisco Unity Express Virtual 10.1 to enable access to the GUI.

```
se-10-1-0-1(config)# crypto key generate rsa label label.cue modulus
1024
se-10-1-0-1(config)# web session security keylabel mainkey.ourcompany
se-10-1-0-1(config)# reload
```

- Smart Agent is upgraded to latest version 3.0.9.

Migrating Cisco Unity Express Virtual 9.0.x to 10.1

Perform the following steps to migrate Cisco Unity Express Virtual 9.0.x to Cisco Unity Express Virtual 10.1.

Procedure

- Step 1** Back up your Cisco Unity Express Virtual 9.0.x configurations. For more information, see [Manually Backing Up Files](#).
- Step 2** Uninstall the Cisco Unity Express Virtual 9.0.x. For more information, see [Deactivate and Uninstall Cisco Unity Express Virtual](#).
- Step 3** Reinstall and configure the Cisco Unity Express Virtual 10.1 on Cisco UCS or UCS E-series server modules. For ISR 4000 series KVM containers, use **virtual-service upgrade** CLI command to upgrade the Cisco Unity Express Virtual from version 9.0.x to 10.1.
- Step 4** Restore the backup to the newly installed Cisco Unity Express.
- Step 5** Smart agent is enabled by default. Register Cisco Unity Express Virtual with CSSM or Smart Software Manager satellite before the evaluation period of 90 days. If you do not register Cisco Unity Express Virtual with the CSSM within the evaluation period, Cisco Unity Express Virtual enters the evaluation expired state and stops functioning.

Migrating Cisco Unity Express Virtual 10.0.x to 10.1

Perform the following steps to migrate Cisco Unity Express Virtual 10.0.x to Cisco Unity Express Virtual 10.1.

Procedure

- Step 1** Back up your Cisco Unity Express Virtual 10.0.x configurations. For more information, see [Manually Backing Up Files](#).

- Step 2** Uninstall the Cisco Unity Express Virtual 10.0.x. For more information, see [Deactivate and Uninstall Cisco Unity Express Virtual](#).
- Step 3** Reinstall and configure the Cisco Unity Express Virtual 10.1 on Cisco UCS or UCS E-series server modules. For ISR 4000 series KVM containers, use **virtual-service upgrade** CLI command to upgrade the Cisco Unity Express Virtual from version 10.0.x to 10.1.
- Step 4** Restore the backup to the newly installed Cisco Unity Express.
- Step 5** Smart agent is enabled by default. Register Cisco Unity Express Virtual with CSSM or Smart Software Manager satellite before the evaluation period of 90 days. If you do not register Cisco Unity Express Virtual with the CSSM within the evaluation period, Cisco Unity Express Virtual enters the evaluation expired state and stops functioning.

Caveats

Caveats describe unexpected behavior in Cisco Unity Express Virtual software releases. Severity 1 caveats are the most serious caveats. Severity 2 caveats are less serious. Severity 3 caveats are moderate caveats. Only selected severity 3 and above caveats are included in the caveats document.

This section contains open and resolved caveats for the current Cisco Unity Express Virtual version.

The following information is provided for each caveat:

- Symptoms—A description of what is observed when the caveat occurs.
- Conditions—The conditions under which the caveat has been known to occur.
- Workaround—Solutions, if available, to counteract the caveat.



Note If you have an account on Cisco.com, you can use the Bug Toolkit to find select caveats of any severity. Enter the following URL in your web browser: http://www.cisco.com/cgi-bin/support/bugtool/launch_bugtool.pl.

To find the latest Cisco Unity Express Virtual DDTS information, go to the Bug Toolkit and search, by product, for Cisco Unity Express. After logging in to the Bug Toolkit, select the option to search for bugs in other Cisco software and hardware products, and select the Cisco Unity Express Network Module.

Open Caveats for Cisco Unity Express Virtual 10.1

There are no open caveats for Cisco Unity Express Virtual 10.1.

Resolved Caveats for Cisco Unity Express Virtual 10.1

Following are the resolved caveats for Cisco Unity Express Virtual 10.1:

Identifier	Description
CSCvp88525	CUE: CIAM Alert reported on Tomcat component
CSCvp88579	CUE: CIAM Alert reported on Bind component

Identifier	Description
CSCvq19501	Evaluation of intsrvenge for TCP_SACK
CSCvq54120	ccn copy url and copy url commands allow execution of commands as root
CSCvq20074	New system scripts creation is not working properly
CSCvq40737	Uploading the system scripts is failing with write error
CSCvr45286	CUE: Ciam alert on Open ssh component - CVE-2018-15473
CSCvr46275	CUE: Ciam alert on BIND component - CVE-2018-5741, CVE-2016-2775 and CVE-2018-5743
CSCvp91682	CUE: CIAM alert reported on openssl component
CSCvq00438	Login banner and Holiday settings edit page are not proper in 10.0
CSCvq56250	Unable to change the Maximum voice message store field on the GUI
CSCvq56325	User Web Inbox page is unavailable in CUE 10.0
CSCvq56270	Certificate specific error needs to be reported on CUE IM page while enabling mixed/ssl mode

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