



## Cisco Unified Communications Manager Restricted versus Unrestricted Software Classifications

The classification was introduced in CUCM v7.1.5 the explanation is discussed in the related release notes:

[http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/cucm/rel\\_notes/7\\_1\\_5/cucm-rel\\_notes-715.html#wp1768767](http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/rel_notes/7_1_5/cucm-rel_notes-715.html#wp1768767)

### Classification Definitions:

- **RESTRICTED** CUCM is the "full" CUCM with media and signaling encryption **ENABLED**. This does not mean the feature is 'ON' all the time, simply that it is available for the customer to use.
- **UNRESTRICTED** CUCM versions have all media and signaling encryption features **DISABLED** to comply with US export laws. This means that they cannot use CUCM encryption.
- Unrestricted CUCM installers always have UNRST in the filename.
- Restricted CUCM installers do not have any specific reference in the filename. These are the same as previous versions of CUCM.

### Important Note:

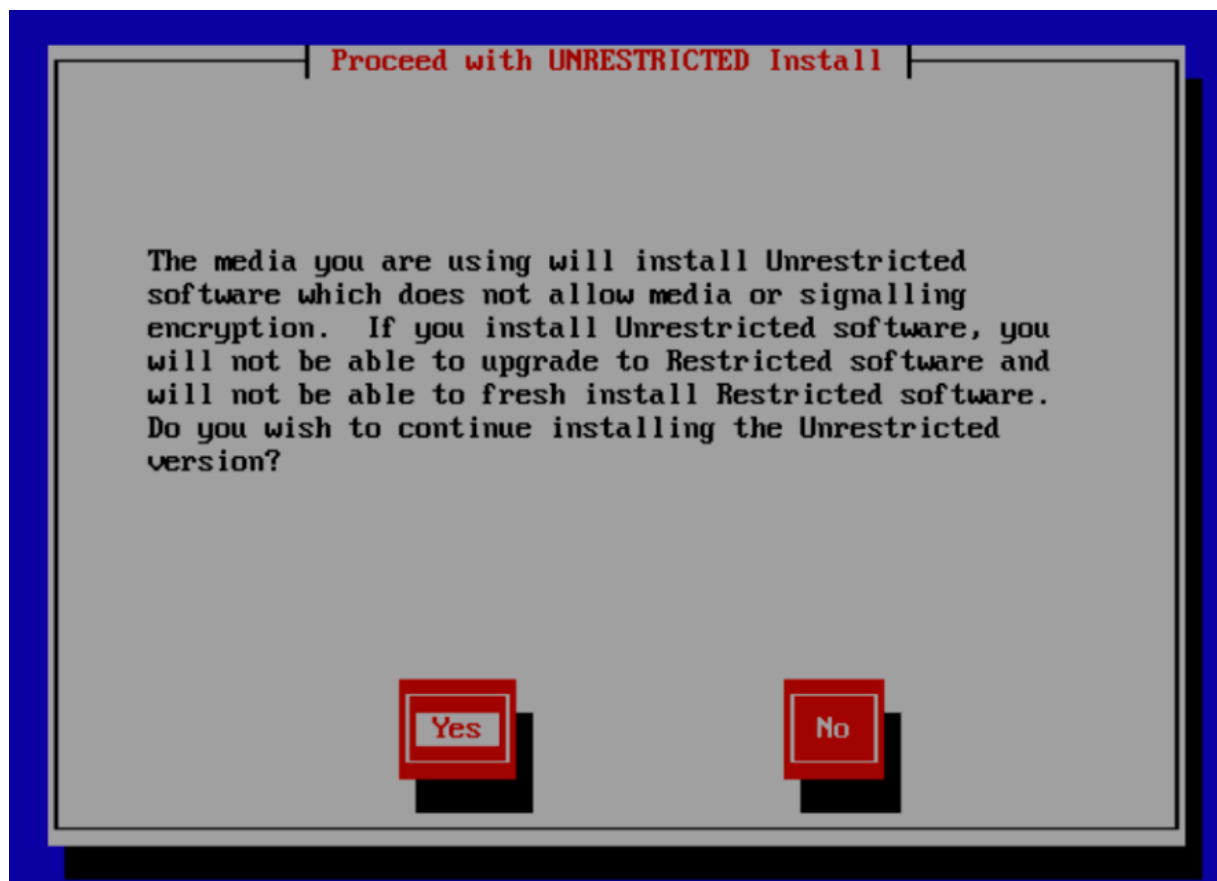
The unrestricted version of Unified CM is available in limited markets only.

\*\*\*\*Be aware that after you install or upgrade to an unrestricted release, you can never upgrade to a restricted version. You will not be allowed to fresh install a restricted version on a system that contains an unrestricted version (refer to screenshot below).

## Error if Attempting to Fresh Install Restricted on Unrestricted System



## Warning if upgrading from Restricted to Unrestricted

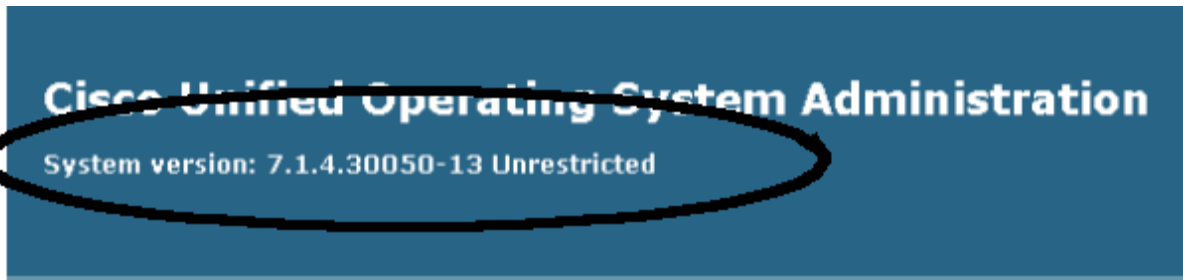


## How to determine if the version you are running is Unrestricted or not:

The CLI/UI will display the appropriate CUCM version with a suffix of "Unrestricted"

Show Software page in OS Admin and "show active version | show inactive version | show status" via CLI

It will also display on the splash screen of each CUCM Web Page:



Additionally, encryption features are either removed or disabled in the Admi UI (below is an example of disabled security profiles):



**Unrestricted Export Support (from release notes)**

The restricted US export classification on Cisco Unified CM meant that governmental and military customers in many countries could not employ Unified CM in their networks.

In addition to the delay inherent in obtaining export licenses, products classified as restricted by the Department of Commerce (DoC) carry a requirement to allow US government representatives to demand on-site inspections at any time to confirm that the product is being used in accordance with its licensed purpose. This post-shipment verification (PSV) is unacceptable to many customers.

Additionally, some foreign countries maintain import restrictions which prohibited Unified CM from being available to customers in those countries. Both US export and foreign import issues stem from Unified CM support for strong encryption of signaling and media.

**Unrestricted Classification**

Because Cisco has obtained an unrestricted classification from the DoC for a version of Unified CM, beginning with Unified CM 7.1(5), both restricted and

unrestricted versions of Unified CM will be released in parallel.

### **Limitations**

Signaling and media encryption is permanently disabled in the unrestricted version, but remains unchanged in the restricted version.

Migration from the unrestricted version to the restricted version is *not* supported.

No impact exists to other security features such as HTTP(s), SSH, password encryption and authentication (for example, SIP digest authentication), mechanisms used by unrestricted Unified CM clients such as JTAPI, TSP, encryption of SNMP traffic, encryption of data related to database that is done by using IPSEC and IMS on the server side.

The communication between CTL client and provider remains encrypted.