Convert Video Communications Server Cluster to Expressway Cluster

Contents

Introduction

Prerequisites

- Requirements
- Components Used

Configure

- Summary of Migration
- Migration

Frequently Asked Questions

Points to be Considered before Migration

Related Information

Introduction

This document describes conversion of Video Communications Server (VCS) Cluster to Expressway Cluster.

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- Cisco Expressways
- Video Communications Server (VCS) Cluster

Components Used

The information in this document is based on these software and hardware versions:

- VCS Cluster

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Configure

***Steps along with snippets have been shared in this section:**

Summary of Migration

1.) Before proceeding with the conversion, ensure to take backups of all VCS nodes from the Web GUI, including certificate backups.
https://video.cisco.com/detail/video/6036232606001

1.1.) Login to winscp as a root.
1.2.) /tandberg/persistent/certs/ take a backup of certs folder

2.) Log in to the VCS node using **ssh** (as admin).
2.1.) Run the command **- Xconfiguration**
2.2.) Save the output in Notepad.

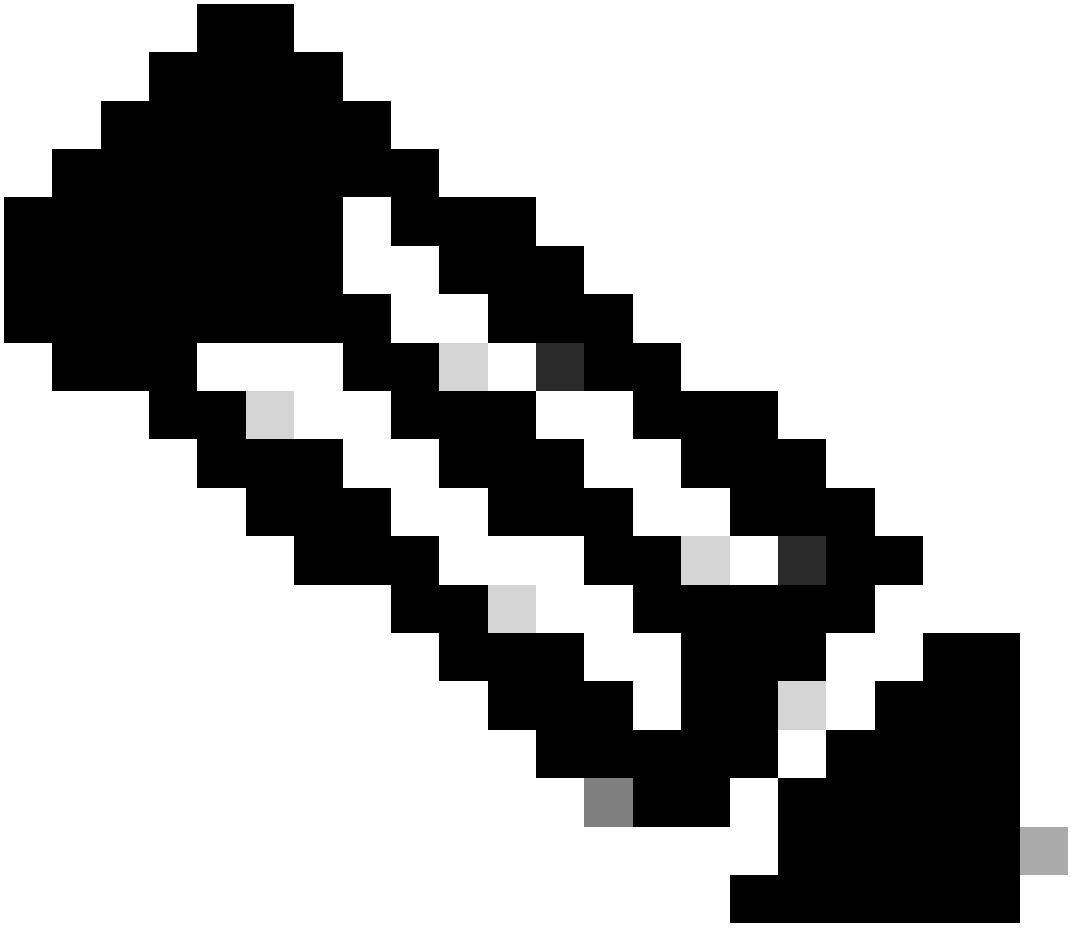
3.) On the VCS overview, click on “Run service setup”:

3.1.) Once you click on that option, that takes you to the services selection so you can opt to use Expressway.

3.2.) Select **Expressway, C** or **E**.

4.) After you select your expressway, select the services that you run on the server.
5.) Click **Continue**.

5.1.) On next page, click **Continue** again.

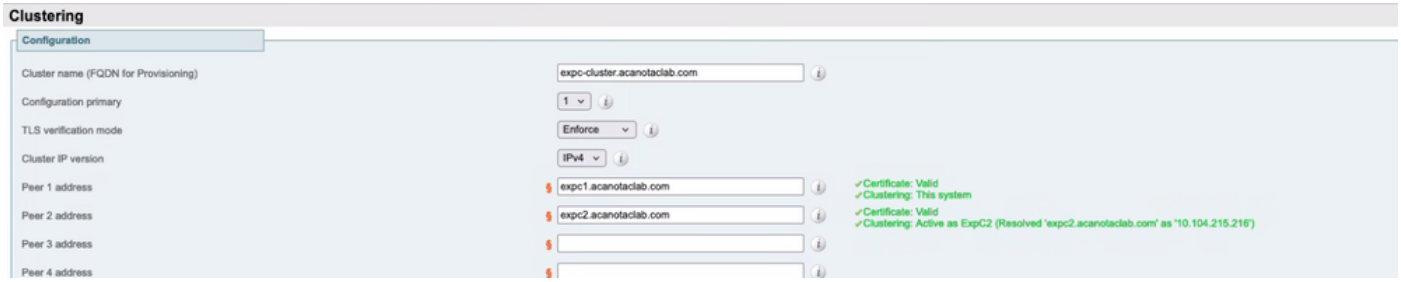


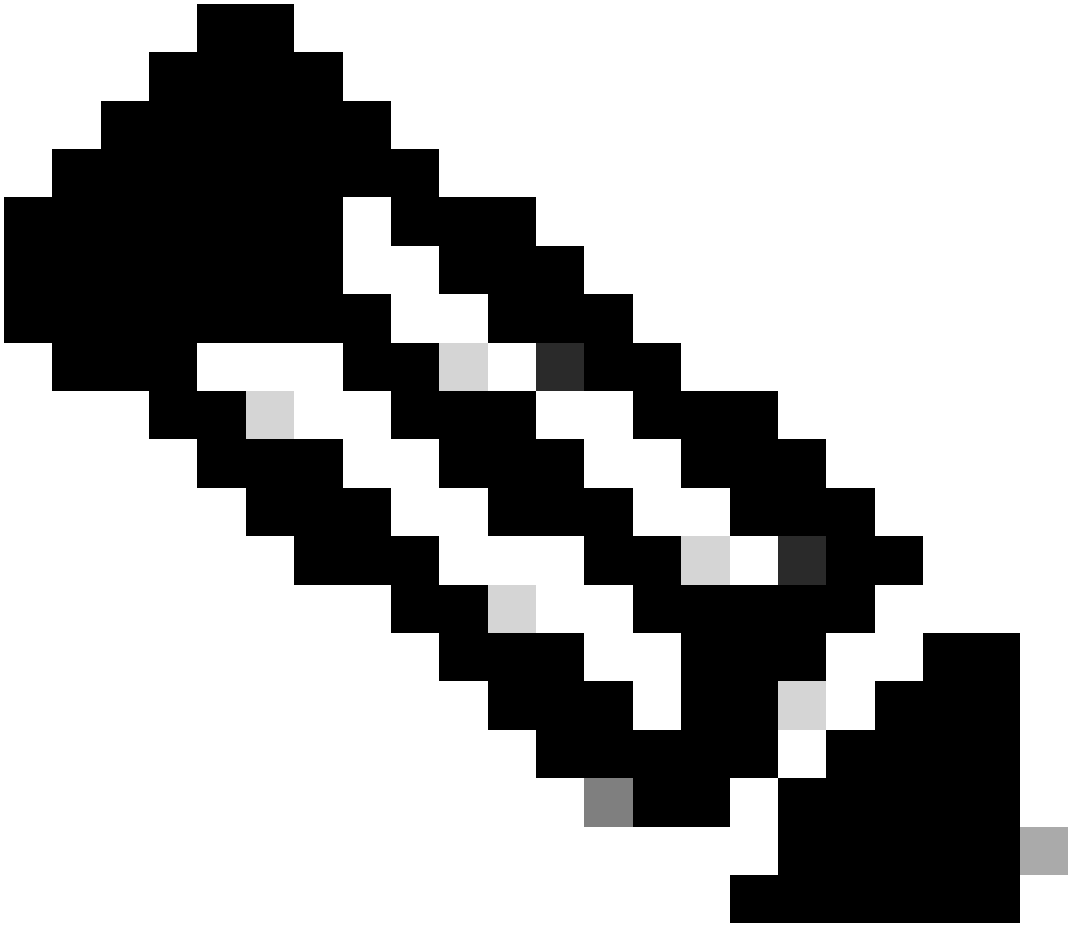
Note: Option keys are not needed.

5.2.) On next page, complete configuration and click **Finish**.

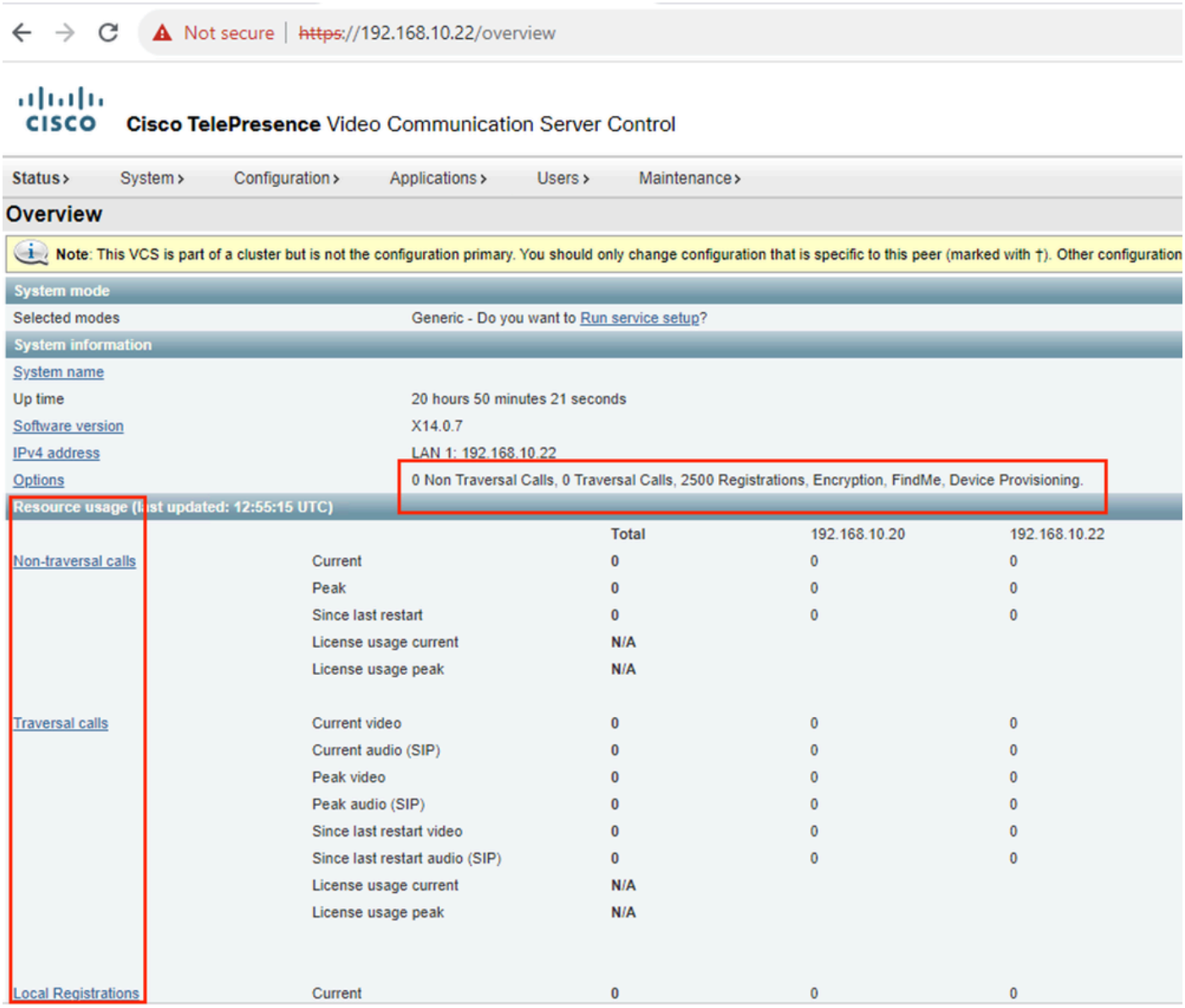
* **Steps with snippet shared for reference:**

Before conversion:

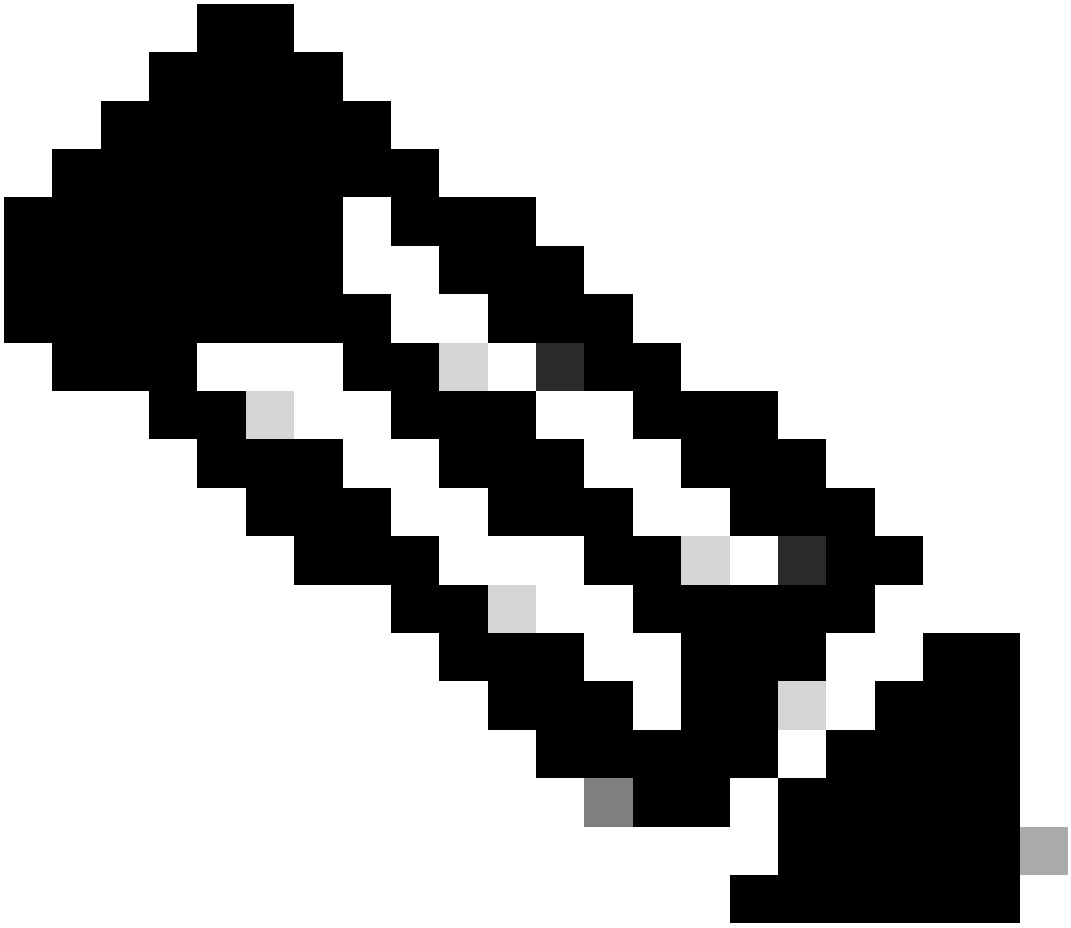




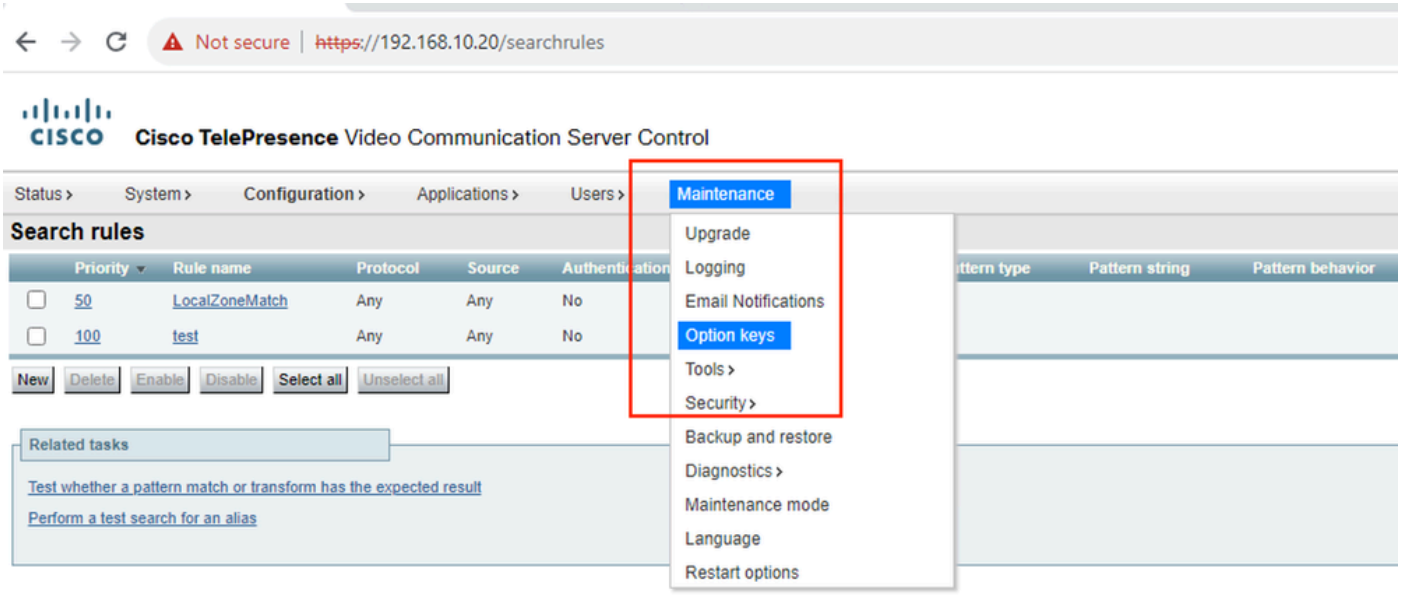
Note: On the Overview page, 2500 Free Registrations on VCS, License types are traversal and non-traversal.



On VCS, you only have the “Option Keys” option, whereas on Expressway you have Smart Licensing option too.



Note: As of x14.2, the “Option Keys” option has been removed on the Expressway Series; only Smart Licensing supported.



Migration

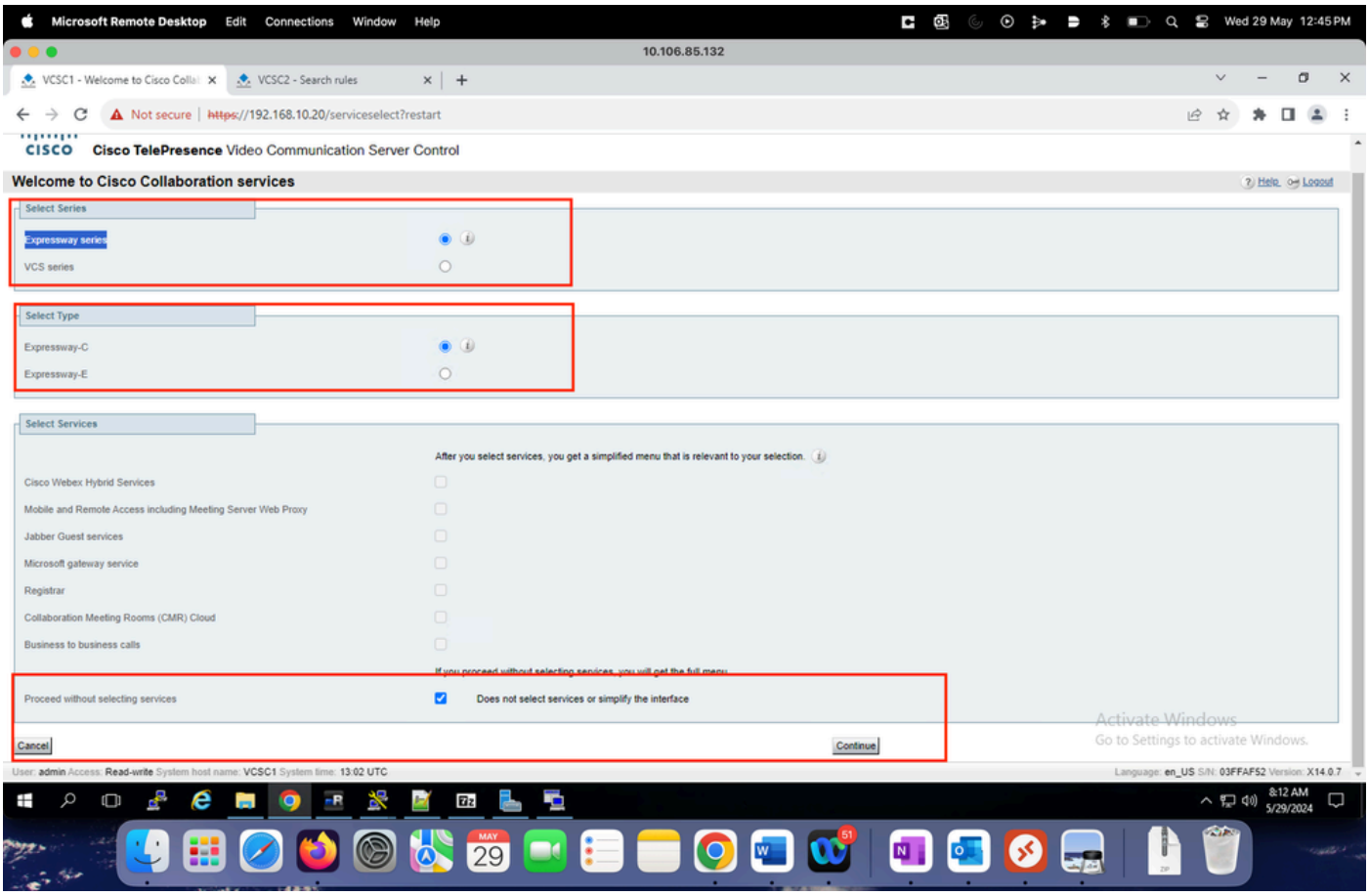
Conversion steps with reference snippets:

1.) Go to the Overview Page under Status and click **Run service setup**.

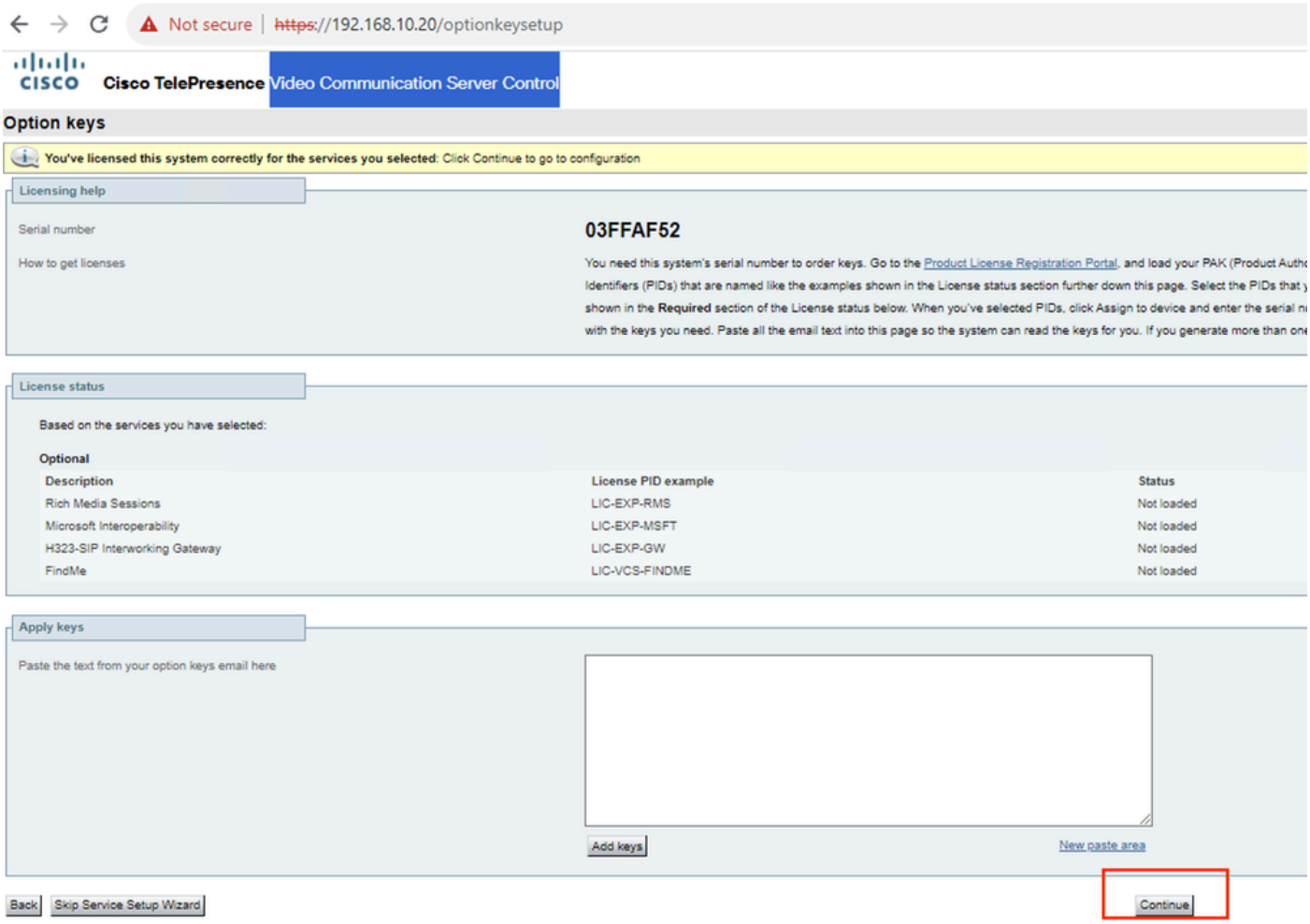
2.) Select the Expressway server and Server Type, select C or E accordingly

and select **Proceed**. Do not select services.

3.) Click **Continue**.

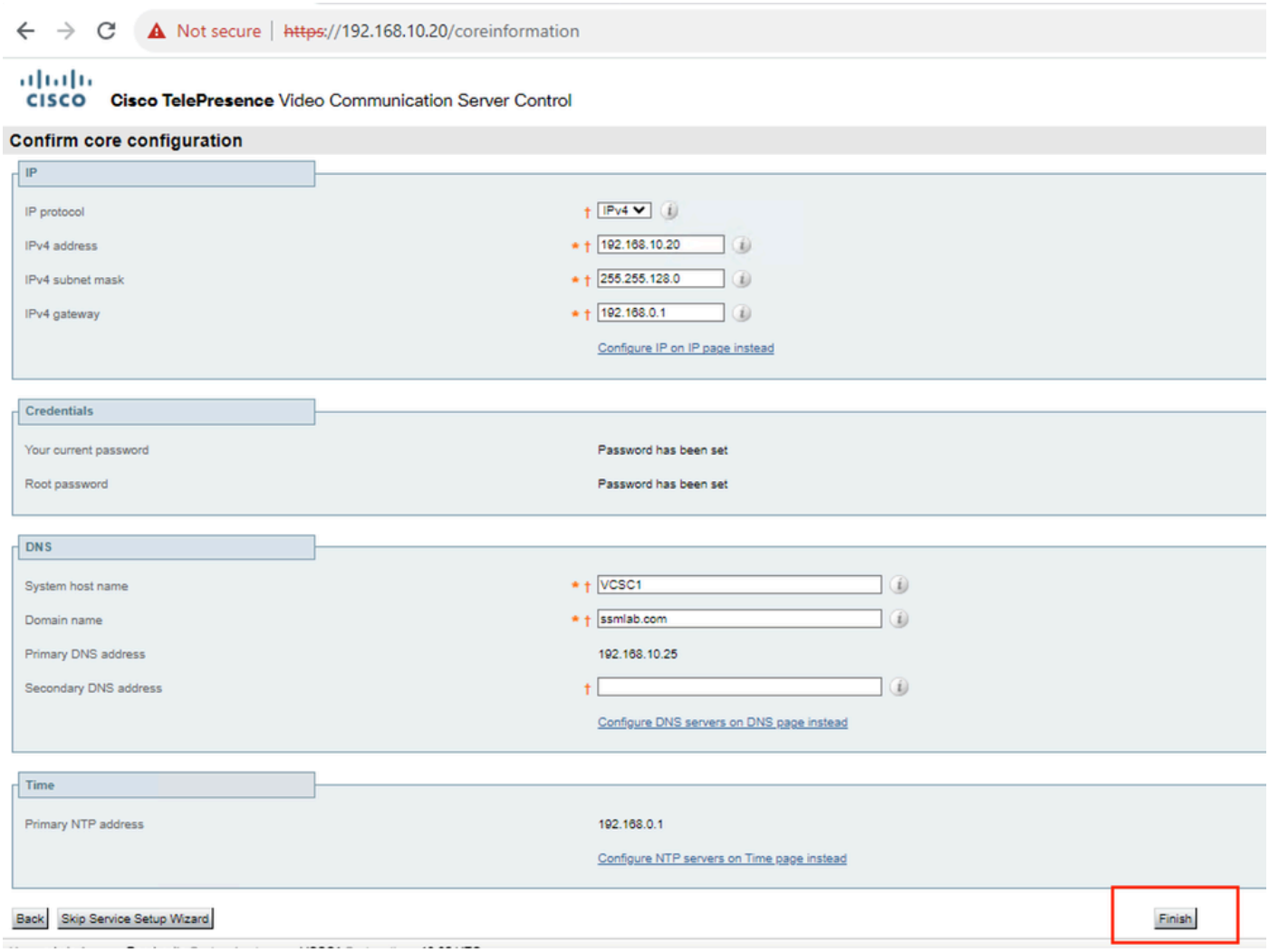


4.) On the next page, apply the license keys obtained. Otherwise, you can skip the Add keys option and click **Continue**. License keys can be added at later time.

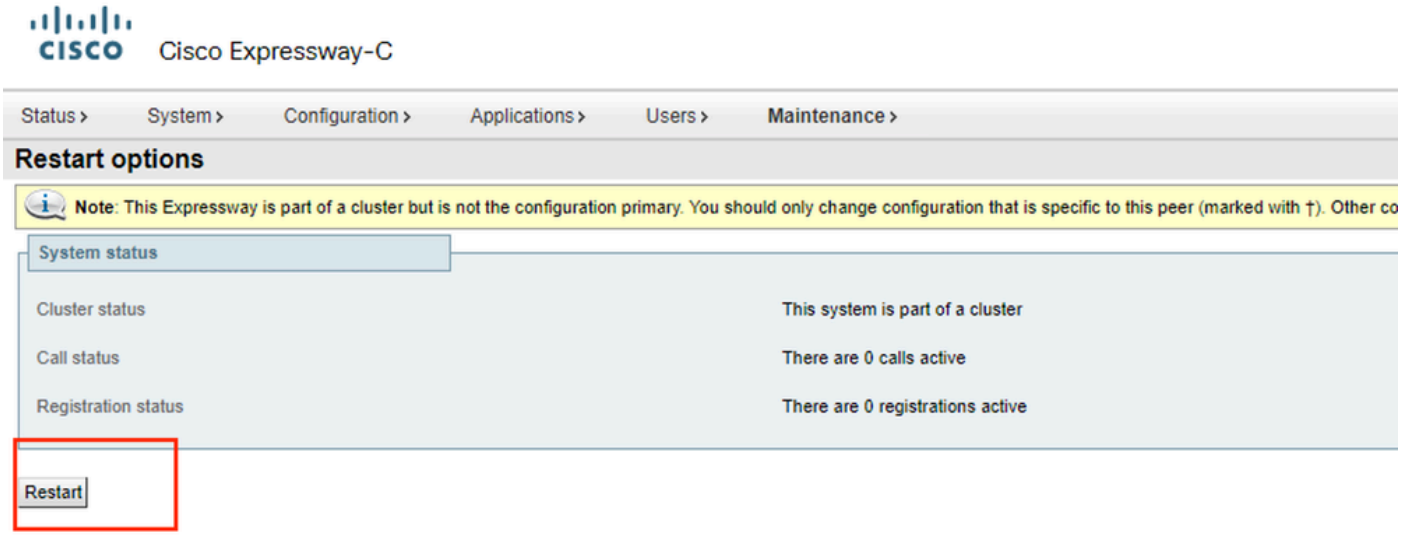


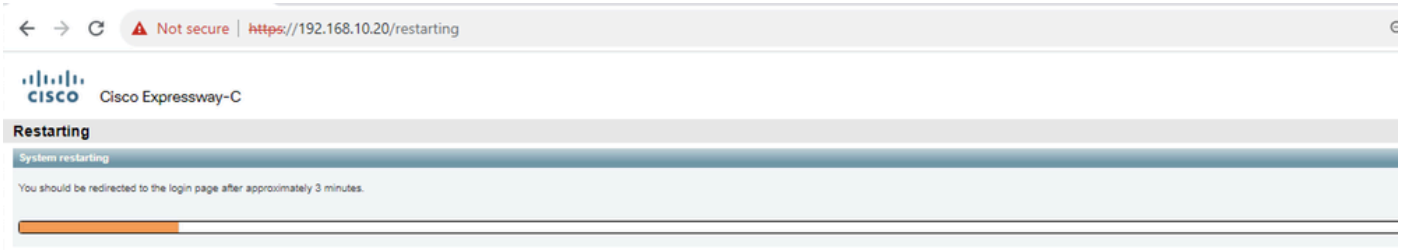
5.) On the next page, verify and confirm the core configuration.

6.) Click **Finish**:

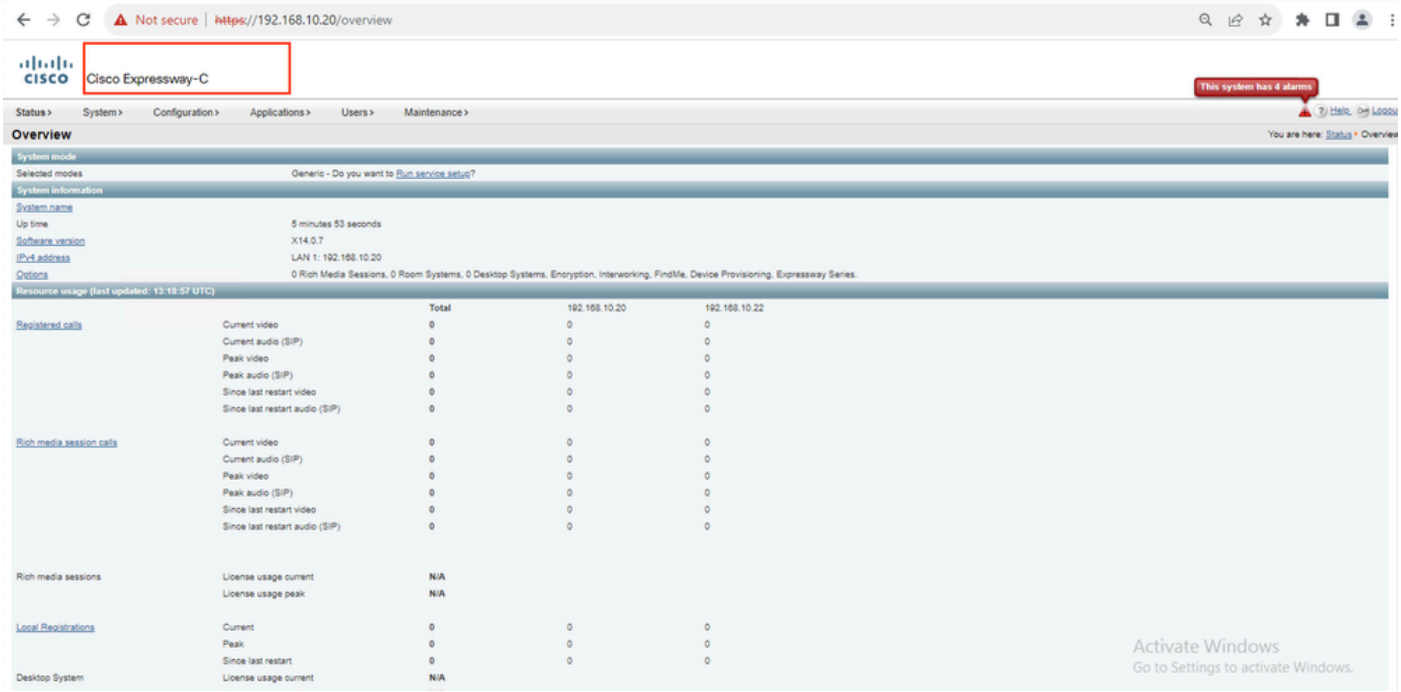


Restart is required to take the changes into effect:

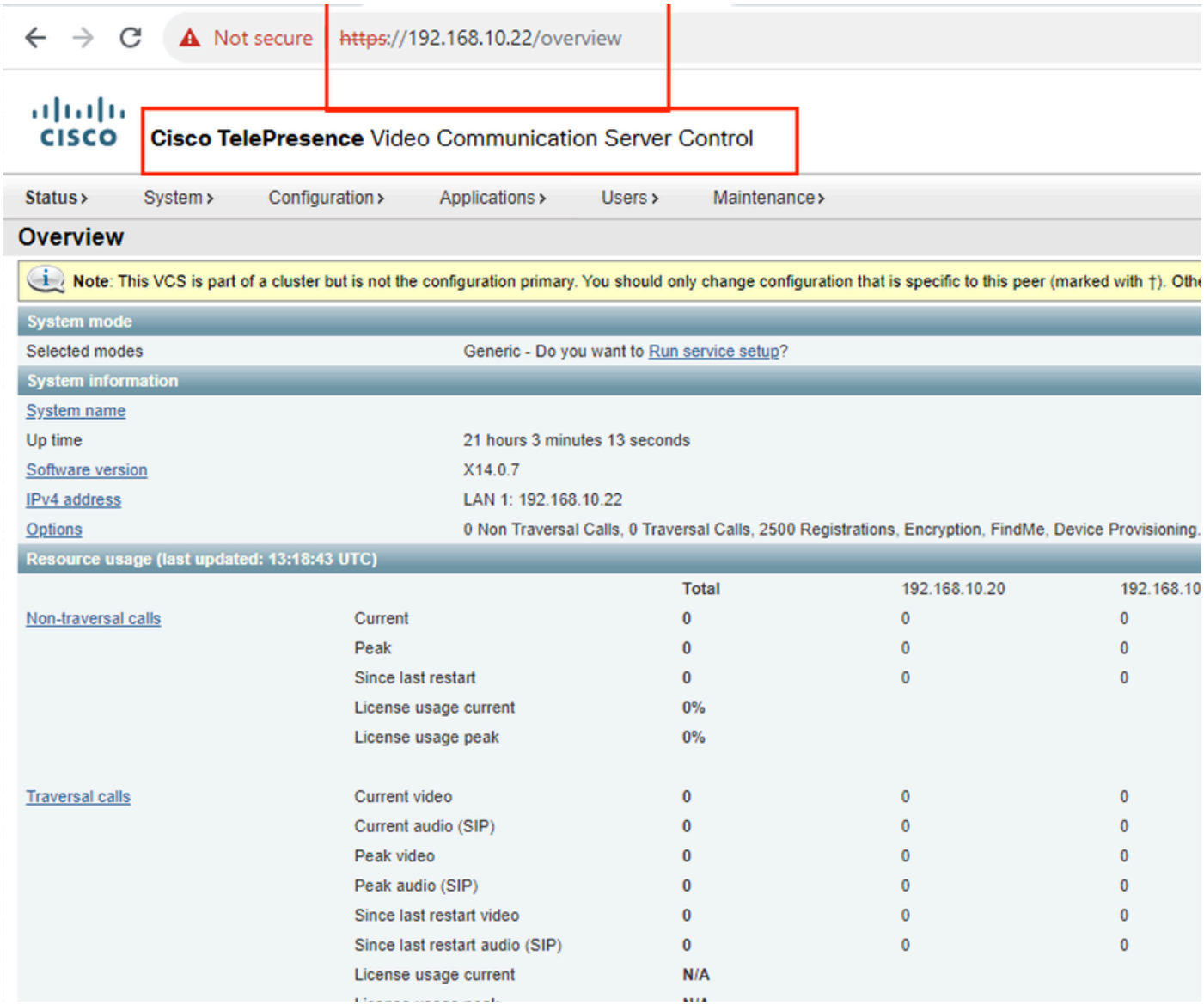




The primary node has been migrated to Expressway:

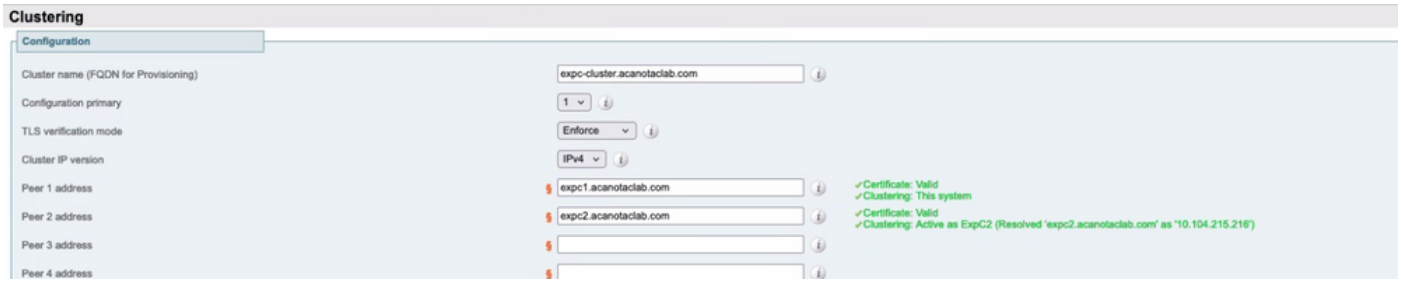


Peer node is still a VCS server but no issues are observed:

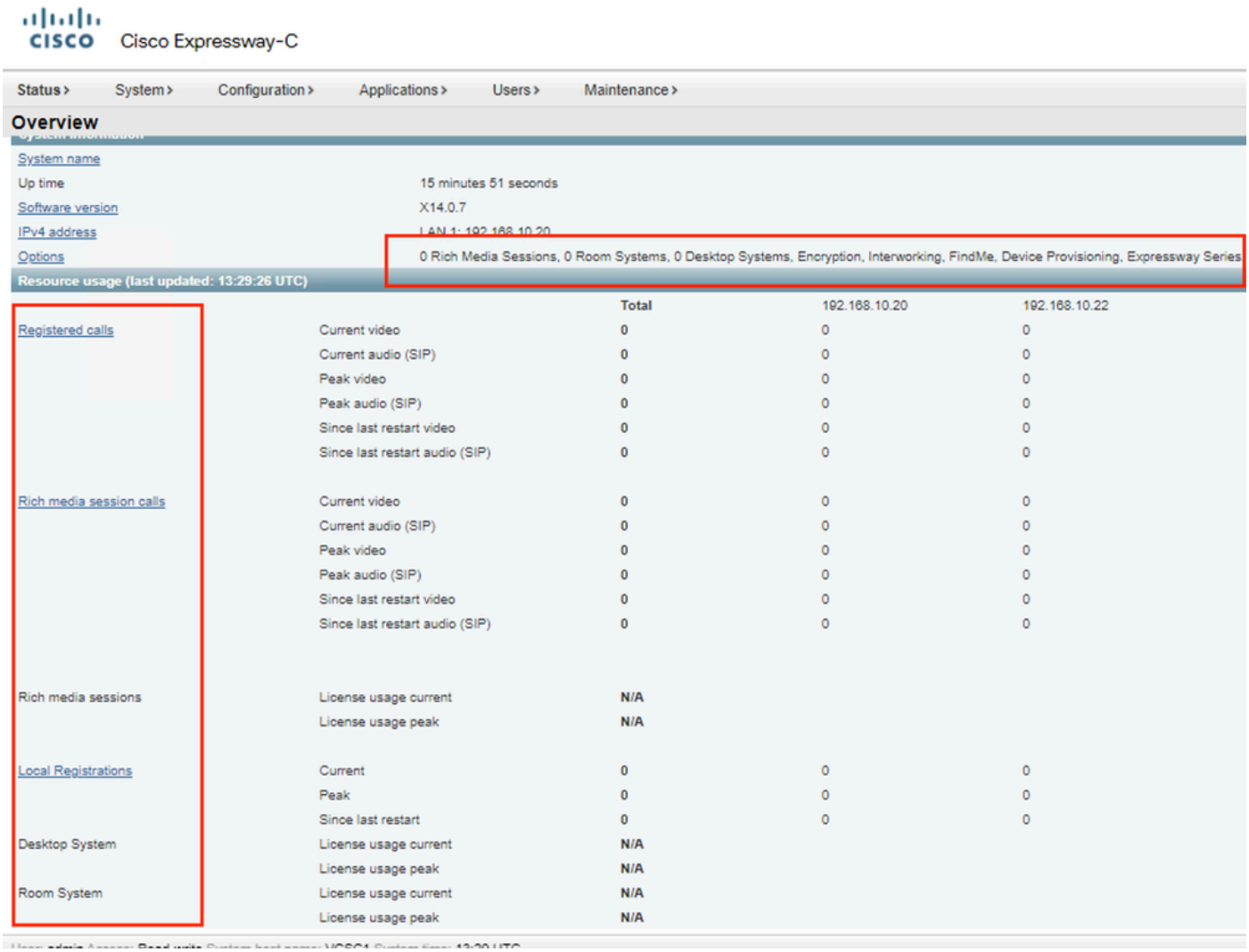


7.) Repeat the previous steps on the peer node to migrate to Expressway.

No issues are observed on both nodes after conversion:



The License Type has been changed:



The conversion process is complete.

Frequently Asked Questions

Q: Does conversion impact clustering?

A: No

Q: Does conversion of primary node automatically convert other nodes to Expressway?

A: No, it needs to be done separately on each node.

Q: What would be the impact to licenses?

A: Licenses gets changed.

Points to be Considered before Migration

- Traversal/Non-traversal licenses change to RMS licenses
- You get 2500 free registrations on VCS that is not available on Expressway
- Registration licenses are changed to Desktop/Room Licenses and needs to be obtained separately, Please talk to the Cisco sales team
- After version x14.2 traditional licenses are not supported on Expressway Series:

- https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/admin_guide/X14-2/exwy_b_cisco-expressway-administrator-guide-x142/exwy_m_smart-licensing-x142.html

Related Information

VCS is already end of support:

- https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/expressway/release_note/X14-2-5/Expressway/exwy_b_cisco-expressway-release-note-x1425.html#reference_D8C52445C823D50F27C9DD95F9759E52