通過災難恢復恢復獨立vManage

目錄

簡介

本文檔介紹通過使用配置資料庫備份還原vManage所涉及的步驟。

背景資訊

本文檔假定已定期進行配置資料庫備份，由於某種原因，獨立vManage不可恢復，需要軟體重置或新安裝。

本文檔可幫助您恢復所有策略、模板、配置和邊緣裝置證書。

Backup Configuration-db

```
vManage_rcdn01# request nms configuration-db backup path 05_08_20_configdb
Starting backup of configuration-db
config-db backup logs are available in /var/log/nm/neo4j-backup.log file
Successfully saved database to /opt/data/backup/05_08_20_configdb.tar.gz
```

scp到外部伺服器。

```
vManage_rcdn01# vshell
vManage_rcdn01:~$ scp /opt/data/backup/05_08_20_configdb.tar.gz user@10.2.3.1://home/ftpuser/ftp/amaugu
amaugust@10.2.3.1's password:
```

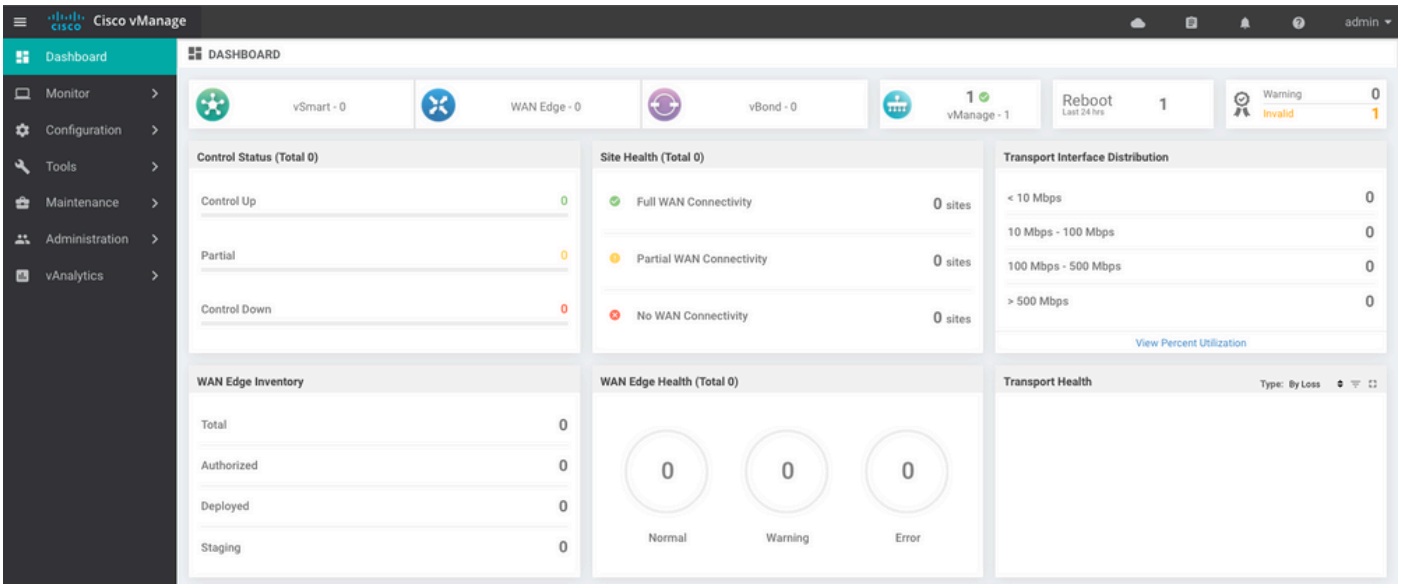
```
05_08_20_configdb.tar.gz                                    100%  484KB  76.6MB/s   00
```

恢復vManage

通過命令重置vManage來模擬災難：

```
vManage_rcdn01# request software reset
```

現在，您已經有了新的vManage（類似於所示的vManage），建議在恢復備份之前按照正確的順序執行恢復過程。



步驟 1.vManage上的最低配置

```
system
 host-name             vManage_rcdn01
 system-ip             xx.xx.xx.xx
 site-id               100
 organization-name     ****.cisco
 vbond vbond.list
 !
!
vpn 0
 host vbond.list ip 10.2.3.4 10.2.3.5
 interface eth0
  ip address 10.1.3.8/24
  tunnel-interface
  no shutdown
 !
 ip route 0.0.0.0/0 10.1.3.1
```

```
!
vpn 512
 interface eth1
  ip address 10.11.3.8/24
  no shutdown
 !
 ip route 0.0.0.0/0 10.1.3.1
!
```

步驟 2.復製備份配置和根證書

<#root>

```
vManage_rcdn01:~$ scp am****@xx.xx.xx.xx://home/ftpuser/ftp/am****/05_08_20_configdb.tar.gz  .
am****@xx.xx.xx.xx's password:
05_08_20_configdb.tar.gz                                                    100%  484KB  76.6MB/s   00:
```

Verify

```
vManage_rcdn01:~$ ls -lh
total 492K
-rw-r--r-- 1 admin admin  394 May  8 15:20 archive_id_rsa.pub
-rwxr-xr-x 1 admin admin 485K May  8 15:3905_08_20_configdb.tar.gz
```

Copy root certificate from other controller:

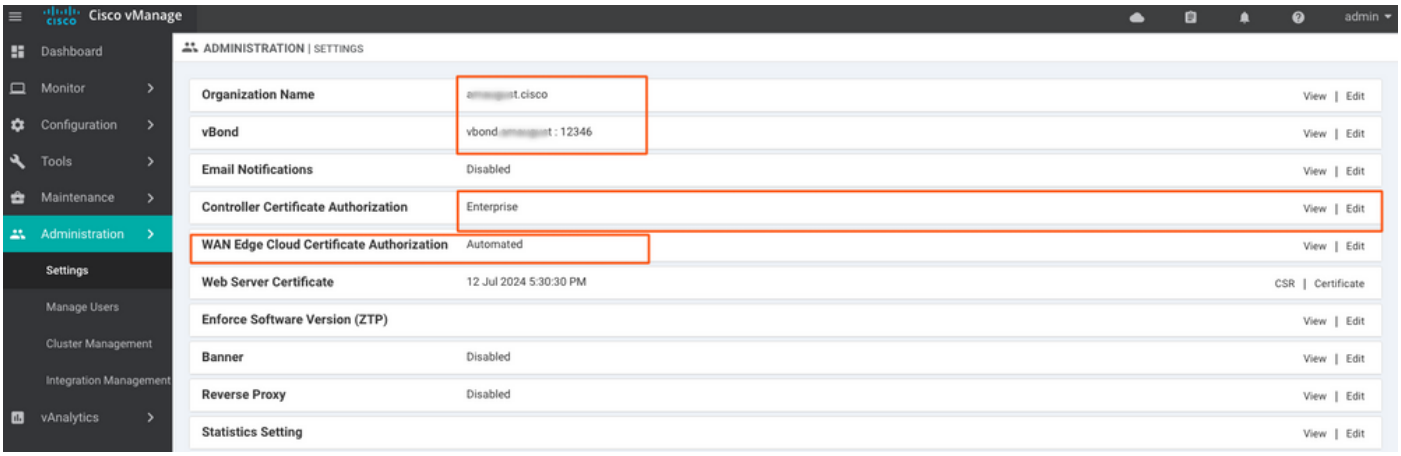
```
vManage_rcdn01:~$ scp admin@vbond://home/admin/root.crt .
viptela 18.4.4
admin@vbond's password:
root.crt                                                                    100% 1380     2.8MB/s   00:0
```

步驟 3.安裝根證書

```
vManage_rcdn01# request root-cert-chain install /home/admin/root.crt
Uploading root-ca-cert-chain via VPN 0
Copying ... /home/admin/root.crt via VPN 0
Updating the root certificate chain..
Successfully installed the root certificate chain
```

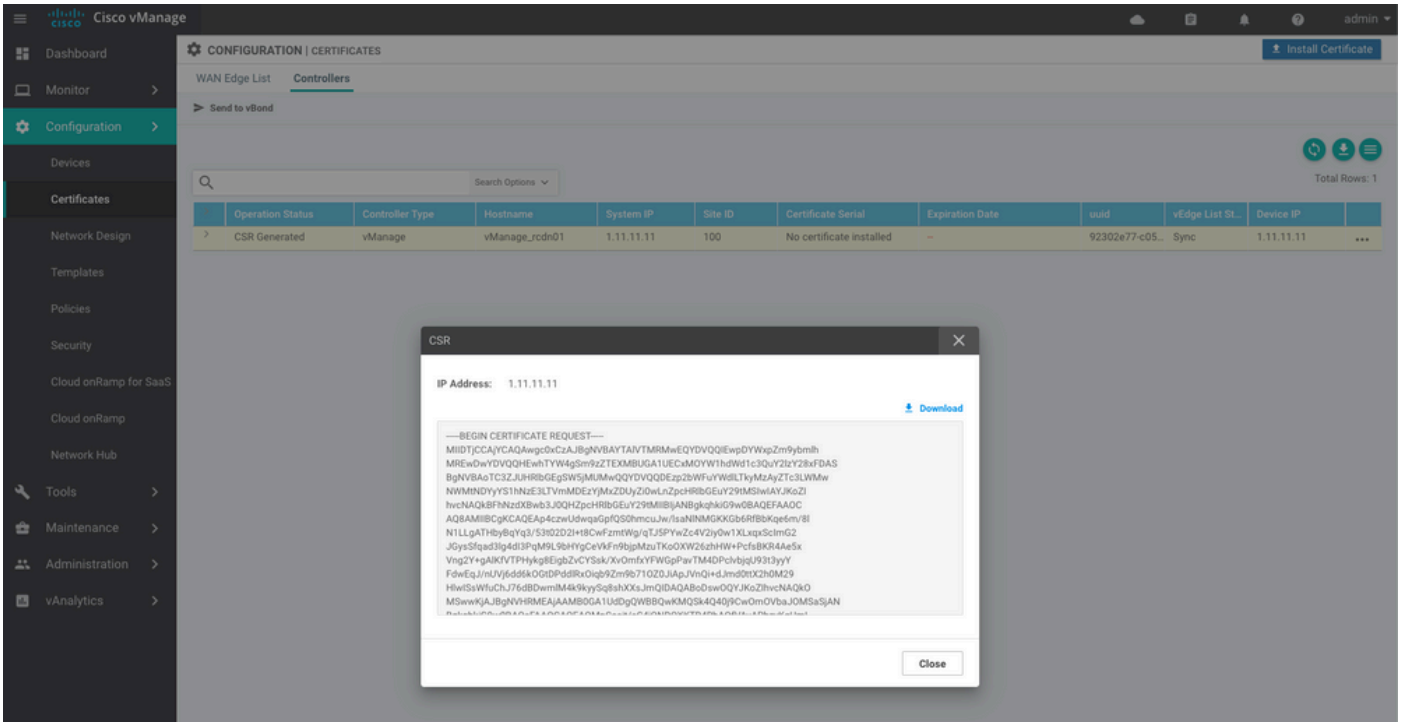
步驟 4.更新基本資訊

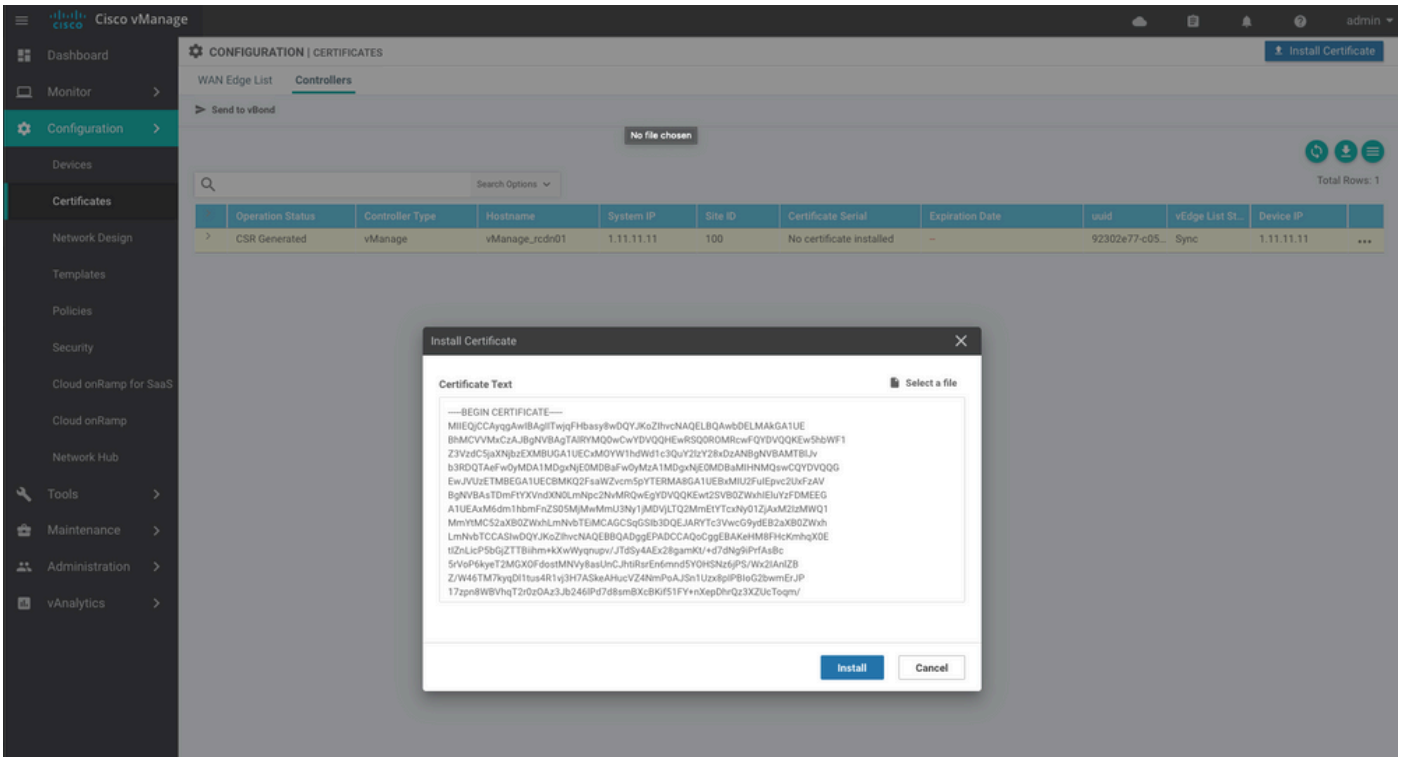
導航至 Administration > Settings 並配置vBond IP、組織名稱和證書的基本資訊。



步驟 5.安裝vManage證書

使用 root.crt 安裝在Step 2。

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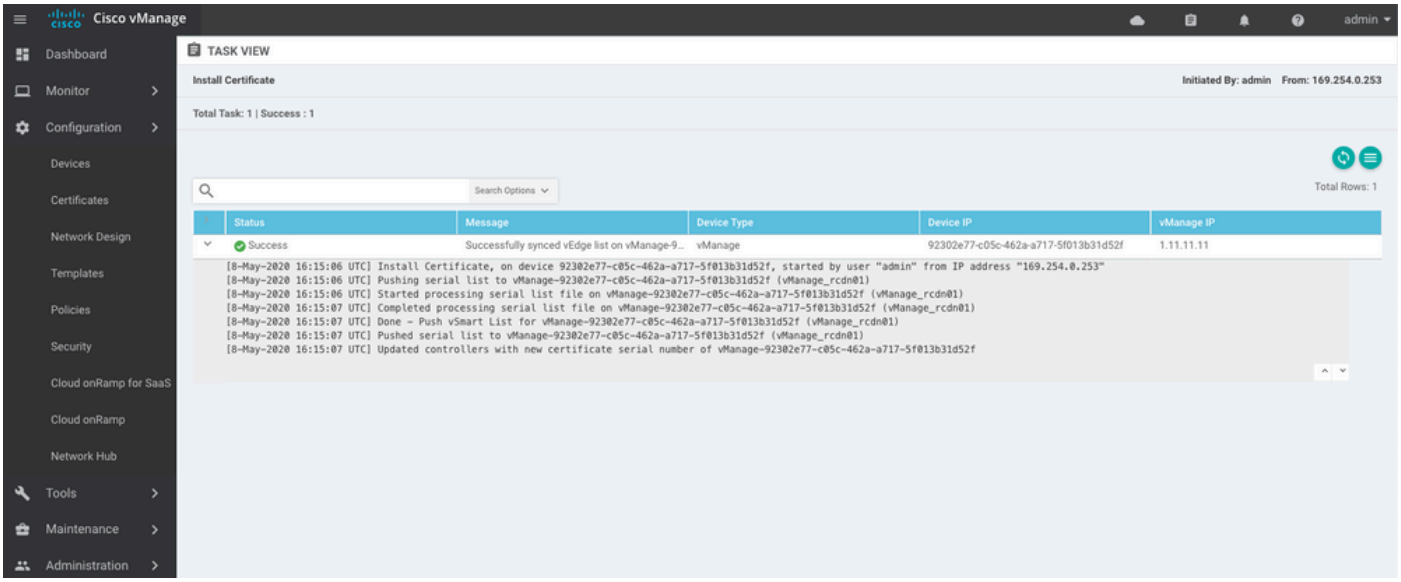
WAN Edge List
Controllers
Send to vBond
No file chosen
Search Options
Total Rows: 1
Operation Status
Controller Type
Hostname
System IP
Site ID
Certificate Serial
Expiration Date
uuid
vEdge List St...
Device IP
CSR Generated
vManage
vManage_rcdn01
1.11.11.11
100
No certificate installed
92302e77-c05...
Sync
1.11.11.11
Install Certificate
Certificate Text
Select a file
-----BEGIN CERTIFICATE-----
MIIEQjCCAyqgAwIBAgIITwjqFHbasy8wDQYJKoZIhvcNAQELBQAwbDELMAkGA1UE
BhMCVVMxCzAJBgNVBAgTAlRYMQ0wCwYDVQQHEwRSQ0ROMRcwFQYDVQQKEw5hbWF1
Z3VzdC5jaXNjbzEXMBUGA1UECxMOVW1hdWd1c3QuY2lzY28xDzANBgNVBAMTBlJv
b3RDQTAeFw0yMDA1MDgxNjE0MDBaFw0yMzA1MDgxNjE0MDBaMIHNMQswCQYDVQQG
EwJVUzETMBEGA1UECBMKQ2FsaWZvcm5pYTERMA8GA1UEBxMIU2FuIEpvc2UxFzAV
BgNVBAsTDmFtYXVndXN0LmNpc2NvMRQwEgYDVQQKEwt2SVB0ZWxhIEluYzFDMEEG
A1UEAxM6dm1hbmFnZS05MjMwMmU3Ny1jMDVjLTQ2MmEtYTcxNy01ZjAxM2IzMWQ1
MmYtMC5zaXB0ZWxhLmNvbTEiMCAGCSqGSIb3DQEJARYTc3VwcG9ydEB2aXB0ZWxh
LmNvbTCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAKeHM8FHcKmhqX0E
tlZnLIcP5bGjZTTBiihm+kXwWyqnupv/JTdSy4AEx28gamKt/+d7dNg9iPrfAsBc
5rVoP6kyeT2MGX0FdostMNVy8asUnCJhtiRsrEn6mnd5Y0HSNz6jPS/Wx2IAnlZB
Z/W46TM7kyqDl1tus4R1vj3H7ASkeAHucVZ4NmPoAJSn1Uzx8pIPBloG2bwmErJP
17zpn8W8VhqT2r0zOAz3Jb246IPd7d8smBXcBKif51FY+nXepDhrQz3XZUcToqm/
Select a file
Install
Cancel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Cloud onRamp
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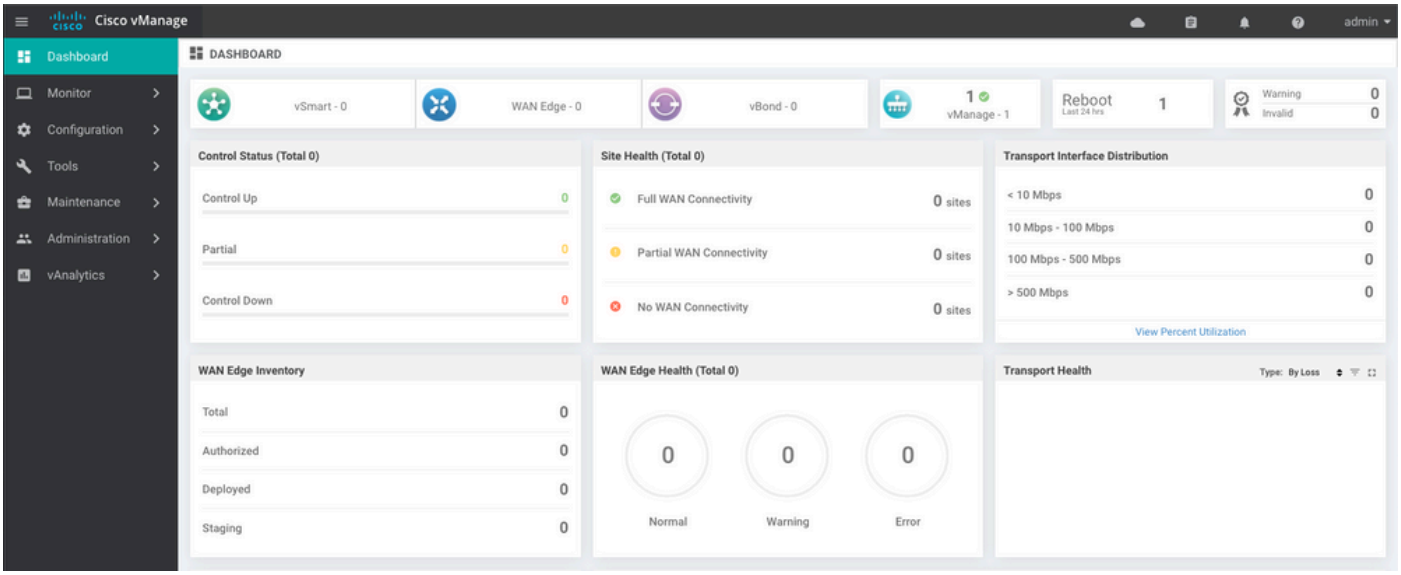
Administration
TASK VIEW
Install Certificate
Initiated By: admin
From: 169.254.0.253
Total Task: 1 | Success : 1
Search Options
Total Rows: 1
Status
Message
Device Type
Device IP
vManage IP
Success
Successfully synced vEdge list on vManage-9...
vManage
92302e77-c05c-462a-a717-5f013b31d52f
1.11.11.11
[8-May-2020 16:15:06 UTC] Install Certificate, on device 92302e77-c05c-462a-a717-5f013b31d52f, started by user "admin" from IP address "169.254.0.253"
[8-May-2020 16:15:06 UTC] Pushing serial list to vManage-92302e77-c05c-462a-a717-5f013b31d52f (vManage_rcdn01)
[8-May-2020 16:15:06 UTC] Started processing serial list file on vManage-92302e77-c05c-462a-a717-5f013b31d52f (vManage_rcdn01)
[8-May-2020 16:15:07 UTC] Completed processing serial list file on vManage-92302e77-c05c-462a-a717-5f013b31d52f (vManage_rcdn01)
[8-May-2020 16:15:07 UTC] Done - Push vSmart List for vManage-92302e77-c05c-462a-a717-5f013b31d52f (vManage_rcdn01)
[8-May-2020 16:15:07 UTC] Pushed serial list to vManage-92302e77-c05c-462a-a717-5f013b31d52f (vManage_rcdn01)
[8-May-2020 16:15:07 UTC] Updated controllers with new certificate serial number of vManage-92302e77-c05c-462a-a717-5f013b31d52f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DASHBOARD
vSmart - 0
WAN Edge - 0
vBond - 0
1
vManage - 1
Reboot
Last 24 hrs
1
Warning
0
Invalid
0
Control Status (Total 0)
Control Up
0
Partial
0
Control Down
0
Site Health (Total 0)
Full WAN Connectivity
0 sites
Partial WAN Connectivity
0 sites
No WAN Connectivity
0 sites
Transport Interface Distribution
< 10 Mbps
0
10 Mbps - 100 Mbps
0
100 Mbps - 500 Mbps
0
> 500 Mbps
0
View Percent Utilization
WAN Edge Inventory
Total
0
Authorized
0
Deployed
0
Staging
0
WAN Edge Health (Total 0)
0
Normal
0
Warning
0
Error
Transport Health
Type: By Loss

步驟 6.恢複資料庫

<#root>

vManage_rcdn01# request nms configuration-db restore path /home/admin/05_08_20_configdb.tar.gz

```
Configuration database is running in a standalone mode
0 [main] INFO com.viptela.vmanage.server.deployment.cluster.ClusterConfigurationFileHandler  - Trying t
4 [main] INFO com.viptela.vmanage.server.deployment.cluster.ClusterConfigurationFileHandler  - Working
Successfully saved cluster configuration for localhost
Starting DB backup from: localhost
Creating directory: local
cmd to backup db: sh /usr/bin/vconfd_script_nms_neo4jwrapper.sh backup localhost /opt/data/backup/local
Finished DB backup from: localhost
Stopping NMS application server on localhost
Stopping NMS configuration database on localhost
Reseting NMS configuration database on localhost
Restoring from DB backup: /opt/data/backup/staging/graph.db-backup
cmd to restore db: sh /usr/bin/vconfd_script_nms_neo4jwrapper.sh  restore /opt/data/backup/staging/grap
Successfully restored DB backup: /opt/data/backup/staging/graph.db-backup
Starting NMS configuration database on localhost
Waiting for 10s before starting other instances...
Polling neo4j at: localhost
NMS configuration database on localhost has started.
Updating DB with the saved cluster configuration data
Successfully reinserted cluster meta information
Starting NMS application-server on localhost
Waiting for 120s for the instance to start...
Removed old database directory: /opt/data/backup/local/graph.db-backup
Successfully restored database
```

此步驟需要更多時間，具體取決於備份。

您可以通過以下方式驗證該流程： tailing vShell上的日誌。

<#root>

vManage_rcdn01:~$

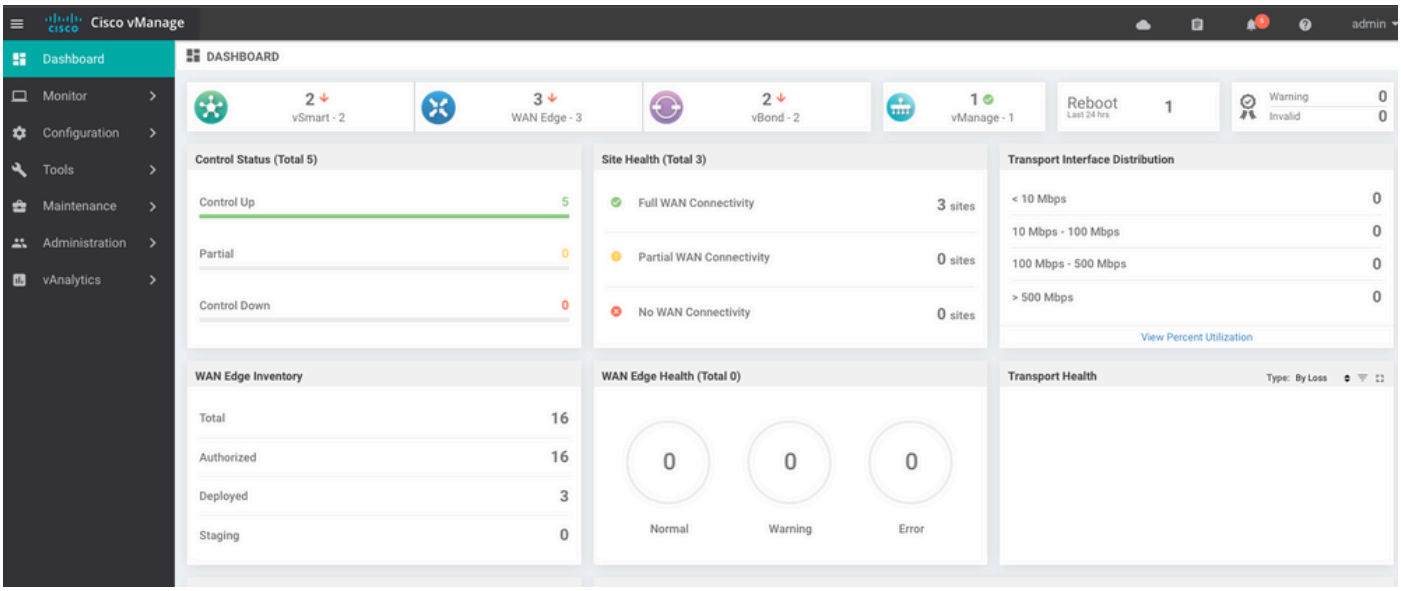
tail -fq /var/log/nms/vmanage-server.log /var/log/nms/neo4j-out.log

步驟 7.檢查服務

```
vManage_rcdn01# request nms all status
```

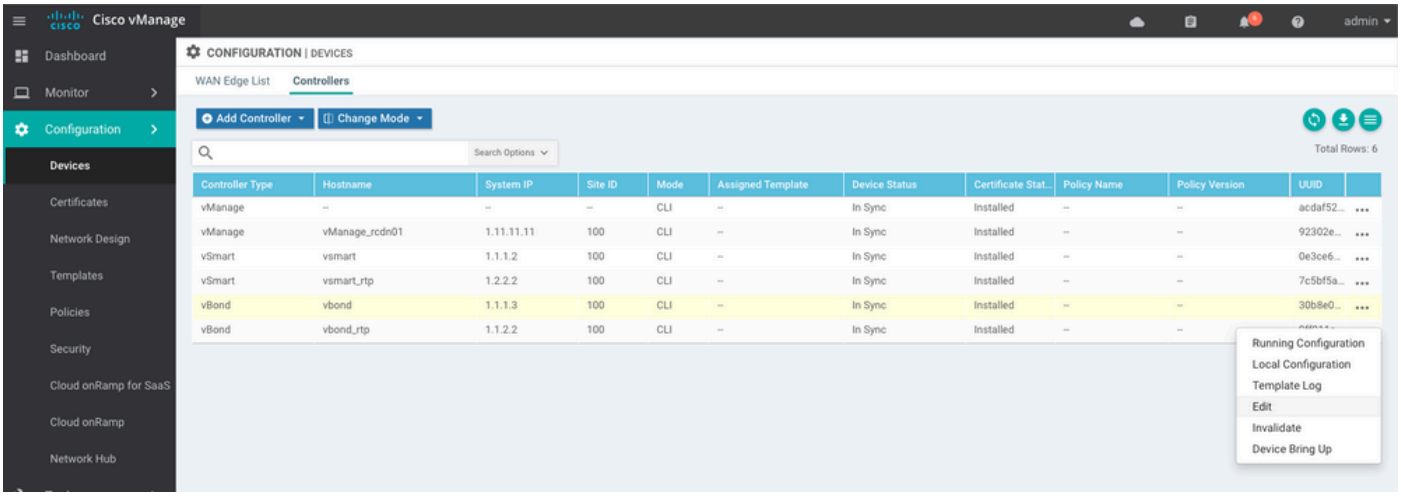
步驟 8.重新驗證控制器

目前，您可以觀察到所有策略、模板和配置都已載入到vManage中，但所有控制器均已關閉。

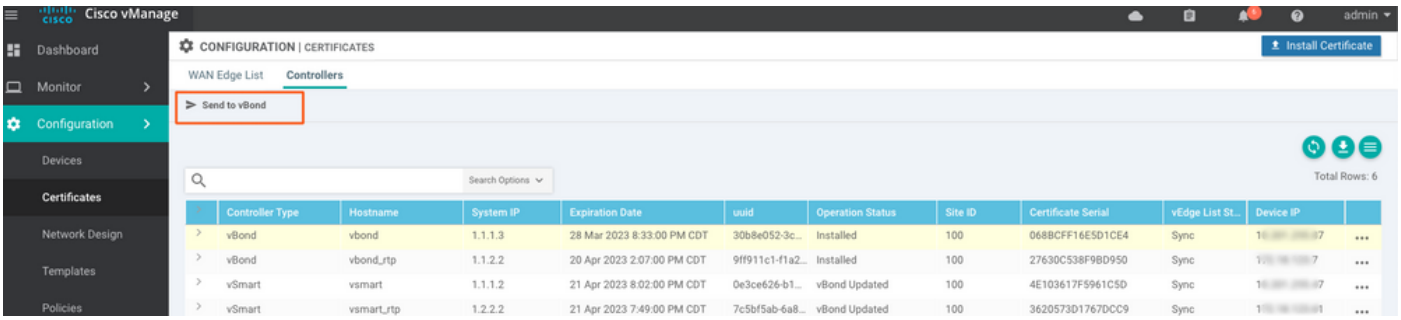


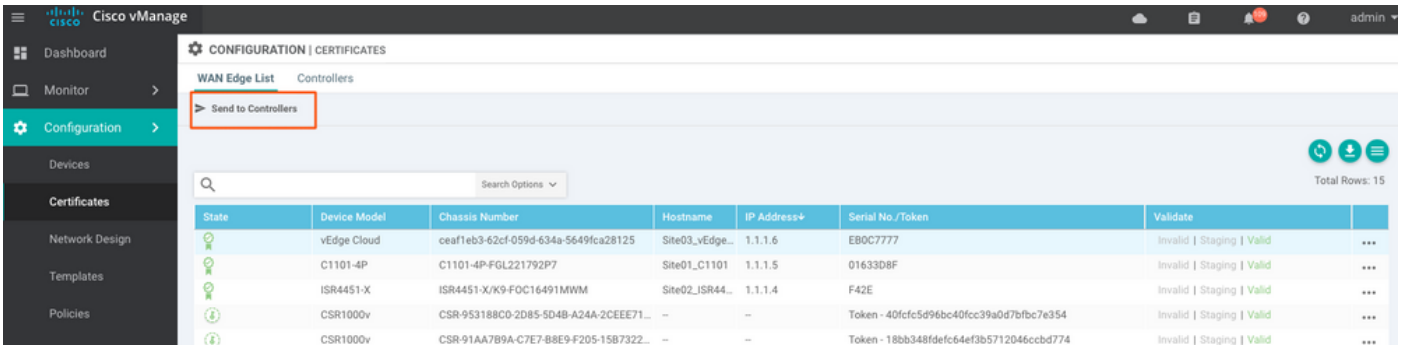
您需要重新驗證所有控制器。

導航至 Configuration > Devices.編輯每個控制器並填寫管理IP地址（管理IP可以在本地配置中找到）使用者名稱和密碼。

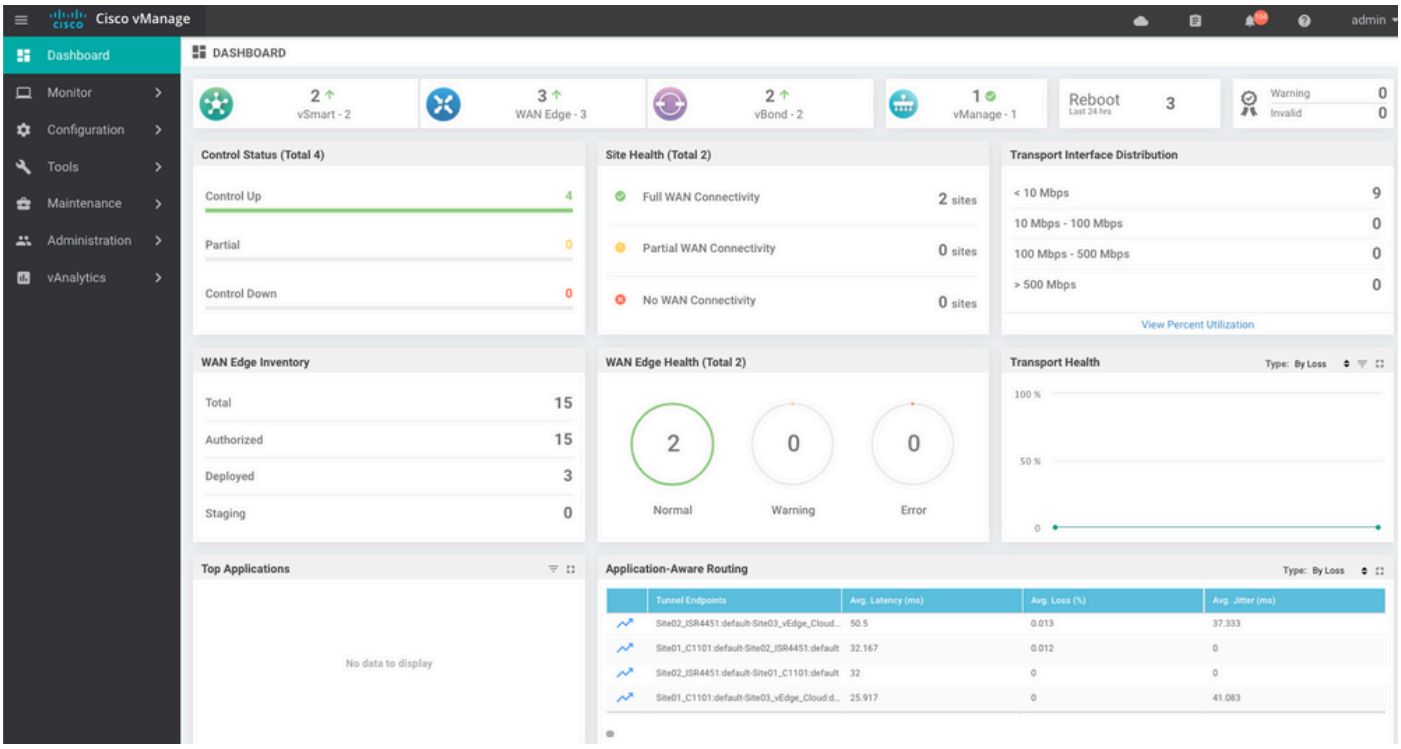


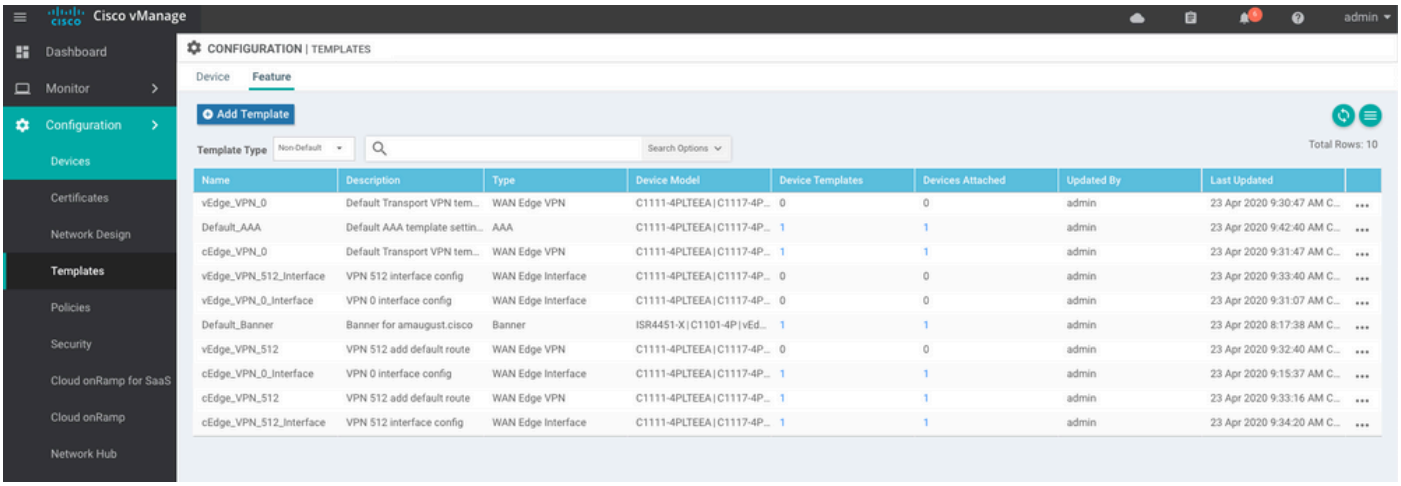
步驟 9.將更新傳送到控制器





現在，您會看到所有裝置都可以通過vManage進行管理。





關於此翻譯

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