

8.x زارط مداخل الی لعل SSM ة و م جم لی غ شت رفوت ل قئاف

تا یوت حمل ل

[ة مدق مل ل](#)

[ة ی س اس ال ا تابل طت مل ل](#)

[تابل طت مل ل](#)

[ة مدخت س مل ل تانوك مل ل](#)

[ة ی س اس ا تامول عم](#)

[ی طای ت حال ا خ س ن ل ل اول لاطع ال ا زواج ت ا ن ث ا PREM ة رك ا ذ ی لعل SSM ة رك ا ذ ی لعل با س ح ل ا ة ن م ا زم](#)

[ة ی ل ا ل ا ة ح ا ت ال ا](#)

[ل ش ف ل ل زواج ت](#)

[ی طای ت ح ل](#)

[فل خ ل ل اول لاطع ال ا ی لعل ب ل غ ت ل ل ا ن ث ا VIP ی لعل SSM عم ح ت ن م ل ل ل ی ث م ل ل ی ح س ت](#)

[ة ی ل ا ل ا ة ح ا ت ال ا](#)

[ل ش ف ل ل زواج ت](#)

[ی طای ت ح ل](#)

[رفوت ل ا ة ی ل ا ل ا ة و م جم یوت س م ص ف خ](#)

[! دعب ا ذام](#)

[ة ل ص ت ا ذ تامول عم](#)

ة مدق مل ل

دادع ال ا ی لعل (SSM) ة ی ك ذ ل ا ح م ا ر ب ل ل ا ر ی دم با س ح ة ن م ا زم ل م ع ة ی ف ی ك دن ت س م ل ل ا ا ذ ه ح ض و ی هر ش ن م ت ی ذ ل ا ق ب س م ل ل ا دادع ال ا ی لعل SSM م دا خ ی لعل ح ت ن م ل ل ل ی ث م ل ل ی ح س ت و ق ب س م ل ل ا ة ی طای ت حال ا خ س ن ل ل اول لاطع ال ا زواج ت ت ا ه و ی ر ا ن ی س ت ق و ی ف ، (HA) رفوت ل ا ة ی ل ا ل ا ة و م جم ك .

ة ی س اس ال ا تابل طت مل ل

تابل طت مل ل

ة ی ل ل ا ت ل ل ا ع ی ض ا و م ل ل ا ب ة فر عم ك ی دل نوك ت ن ا ب Cisco ی ص و ت :

- SSM ی لعل PREM

- ٥٥٥

ة مدخت س مل ل تانوك مل ل

ه دعب ا م و 8 SSM on-prem ی لعل دن ت س م ل ل ا ا ذ ه ی ف ة درا و ل ا تامول عم ل ل ا دن ت س ت

ة ص ا خ ة ی ل م عم ة ی ب ی ف ة دو ج و م ل ل ا ة ز ه ج ال ا ن م دن ت س م ل ل ا ا ذ ه ی ف ة درا و ل ا تامول عم ل ل ا ا ش ن ا م ت ن ا ك ا ذ ا . (ی ض ا ر ت ف ا) ح و س م م ن ی و ك ت ب دن ت س م ل ل ا ا ذ ه ی ف ة مدخت س م ل ل ا ة ز ه ج ال ا ع ی م ج ت ا ذ ب ر م ا ی ال ل م ت ح م ل ل ا ر ی ث ا ت ل ل ل ك م ه ف ن م د ك ا ت ف ، ل ی غ ش ت ل ل ا د ی ق ك ت ك ب ش

ةيساسأ تامولعم

HA ن تامولعم رفوت يتللا ةيجرملا قئاثولا يه هذوو

- https://www.cisco.com/web/software/286285517/151968/Smart_Software_Manager_On-Prem_8_Console_Guide.pdf
- https://www.cisco.com/web/software/286285517/152313/Smart_Software_Manager_On-Prem_8-202006_Installation_Guide.pdf

زواجت ءانثأ PREM ةركاذ ىلع SSM ةركاذ ىلع باسحلا ةنمازم يطايتحال خسنلاو لاطعألا

للدلا اذه ةدعاسم ب PREM ىلع SSM يمداخ ن ب HA نيوكت بجي

HA ةومجم رشن

https://www.cisco.com/web/software/286285517/152313/Smart_Software_Manager_On-Prem_8-202006_Installation_Guide.pdf

مدختسأ، ضرعلا اذه ي

يسيئرلا مداخلل IP ناوع - 5.

يوناتل مداخلاب صاخلا IP ناوع - 10.

يرهاطلا IP ناوع - 12.

ةيلعلا ةحاتإلا

يطايتحال مداخل (10). طاشن يونات مداخل (5). يساسألا مداخل HA ل حجائل نيوكتلا رهظي 1.
ةروصلا ي SD (12) VIP مداخلو

High Availability

Host

Event Logs



Normal

The status of the high availability cluster is normal.

Heartbeat

Connection status: **Connected**

VIP

.12

Active Server

public address (.5)

primary-node (192.168.1.4)



Active

Standby Server

public address (.10)

secondary-node (192.168.1.5)



Standby

مداخل نم حاجنب Cisco Software Central عم SSM On-Prem ةنمازم لامكإ مت .
ةروصلال يف حضوم وه امك طشنال/يساسأل

The screenshot displays the Cisco Smart Software Manager On-Prem interface. The top navigation bar includes 'Logged in', 'Account', and 'Log Out'. The main content area is divided into several sections:

- System Health:** Shows a 'Good' status with a green checkmark and the message 'Your machine is working well'. It lists 'Server Name: CentOS', 'Version: 8-202006', and 'Uptime: 1 day'.
- Resource Monitor Percentage:** Displays progress bars for CPU, RAM, and DISK usage.
- Network:** Shows the 'ens192' interface as 'Connected' with an IPv4 address ending in '.5'.
- Accounts:** A table listing accounts with columns for 'Account', 'Requested By', 'Cisco Smart Account', 'Cisco Virtual Account', 'Account Status', and 'Actions'. One account is listed: 'annanr-ssm-on-prem-8-202006' requested by 'annanr@cisco.com' with status 'Active'.
- Synchronization:** Shows 'Accounts' and 'Schedules' tabs. A table lists synchronization events with columns for 'Name', 'Satellite Name', 'Last Synchronization', and 'Synchro'.

3. (Replication Master) يساسأل مداخل تانايب ةدعاق نأ ةومجملاب ةصاخال HA ةلاح رهظت .
ىلع (Replication Slave) يونال مداخل تانايب ةدعاق ىلإ خسنت راسىل ىلع ةدوجومال
ةروصلال يف عقوتم وه امك نيمىل

```
psql: postgres@192.168.1.4:5041:=#
Last login: Tue Sep 1 14:48:57 UTC 2020 on pts/0

Database Replication Status:
=====
Database is currently the replication master - Replicating to secondary-node (192.168.1.10)

Replication to slave:
client_addr | backend_start | state | write_lag | flush_lag | replay_lag
-----
192.168.1.5 | 2020-09-01 07:50:45.628722+00 | streaming | 0 | 0 | 0
(1 row)

Replication from master:
pg_last_xlog_replay_location
-----
0/53CDB68
(1 row)

psql: postgres@192.168.1.5:5041:=#
Last login: Tue Sep 1 14:48:57 UTC 2020 on pts/0

Database Replication Status:
=====
Database is currently the replication slave - Replicating from primary-node (192.168.1.4)

Replication to slave:
client_addr | backend_start | state | write_lag | flush_lag | replay_lag
-----
(0 rows)

Replication from master:
pg_last_xlog_replay_location
-----
0/53CDB68
(1 row)

psql: postgres@192.168.1.5:5041:=#
>>
>>
>>
>>
```

لش فال زواجت

1. ةروصلال ي ف حضوم وه امك يساسال مدخالل ىلع HA ةومجم فاق ي ا.

```
[>>
[>> ha_cluster_stop
Last login: Tue Sep  1 14:45:59 UTC 2020 on pts/0
Stopping Cluster (pacemaker)...

Stopping Cluster (corosync)...
```

2. ةروصلال ي ف حضوم وه امك يونات يساسا.

```
pcsd: active/enabled
Last login: Tue Sep  1 14:45:57 UTC 2020 on pts/0

Database Replication Status:
=====
Database is currently the replication master - Replicating to secondary-node (.10)

Replication to slave:
client_addr | backend_start | state | write_lag | flush_lag | replay_lag
-----
192.168.1.5 | 2020-09-01 07:58:45.628722+00 | streaming | 0 | 0 | 0
(1 row)

Replication from master:
pg_last_xlog_replay_location
-----
(1 row)

>>
>> ha_cluster_stop
Last login: Tue Sep  1 14:45:59 UTC 2020 on pts/0
Stopping Cluster (pacemaker)...

Stopping Cluster (corosync)...
>>

Failed Actions:
* db_monitor_30000 on secondary-node 'not running' (7): call=50, status=complete, exitreason='',
last-rc-change='Tue Sep  1 08:01:46 2020', queued=0ms, exec=0ms

PCSD Status:
secondary-node: Online
primary-node: Online

Daemon Status:
corosync: active/enabled
pacemaker: active/enabled
pcsd: active/enabled
Last login: Tue Sep  1 15:10:40 UTC 2020 on pts/0

Database Replication Status:
=====
Database is currently the replication slave - Replicating from primary-node (.5)

Replication to slave:
client_addr | backend_start | state | write_lag | flush_lag | replay_lag
-----
(0 rows)

Replication from master:
pg_last_xlog_replay_location
-----
0/53C0C6E
(1 row)
```

3. م و VIP مادختساب (GUI) ةي موسرلا مدختس مالا ةه جاو ي ف SSM ىل لوخدلا لي ج ست م ت .

4. طشن مداخك (.10) يوناتل مدخالل ضرع متي .

5. بلقلل تاقد لصفنت .

6. دادعتسال ةلاح ىل (.5) يساسال مدخالل لقن مت .

High Availability

Host | Event Logs

Degraded
The cluster is degraded One of the cluster nodes is offline

Heartbeat
Connection status: **Disconnected**

VIP .12

Active Server
public address (.10)
secondary-node (192.168.1.5)
Active

Standby Server
public address (.5)
primary-node (192.168.1.4)
Degraded

System Information

Physical Memory	7.62 GB	Physical Memory	--
Disk Space	7.70 GB	Disk Space	--
Current Version	8-202006	Current Version	--

System Health
Good
Your machine is working well

Server Name: CentOS
Version: 8-202006
Uptime: 1 day

Resource Monitor Percentage
CPU |
RAM |
DISK |

Interface: ens192 | ↑ 634.4 KB/s | ↓ 160.2 KB/s

Recent Alerts

Connected Users
admin | 00:00:25

7. نم حاجنّب Cisco Software Central عم يلوأال مداخل الى لىع SSM باسح ةنمازم ةظحال م نكم مي 7. ةروصل ال ي ف حضورم وه امك طش نلنل/يونثال مداخل ال ةصاخ ال (GUI) ةيموسرل م دختس مل ةهواو.

Accounts

Accounts | Account Requests | Event Log

New Account

Account	Requested By	Cisco Smart Account	Cisco
annan-ssm-on-prem-8-202006	annan@cisco.com	...	annan Prem

Synchronization

Accounts | Schedules

Major Minor

Name	Satellite Name	Last Synchronization
annan-ssm-on-prem-8-202006	annan-ssm-on-...	2020-Sep-01 14:13:44

Network

General | Network Interface | Proxy

ens192
Connected
PUBLIC

IPv4 Address: .10 | Subnet Mask: 255.255.255.0

IPv6 Address | Prefix

View Interface

System Health
Good
Your machine is working well

Server Name: CentOS
Version: 8-202006
Uptime: 1 day

Resource Monitor Percentage
CPU |
RAM |
DISK |

Interface: ens192 | ↑ 635.6 KB/s | ↓ 161 KB/s

Recent Alerts

Connected Users
admin | 00:02:26

8. ةروصل ال ي ف حضورم وه امك يساس ال مداخل الى لىع HA ةومجم لىغشت عدب 8.

```
>> ha_cluster_start
Last login: Tue Sep 1 15:24:25 UTC 2020 on pts/0
Starting Cluster (corosync)...
Starting Cluster (pacemaker)...
```

9. ةيونثال تانايبل ال ةدعاق نم ةرركم ةيساس ال تانايبل ال ةدعاق نأ HA ةومجم ةلا ح نيبت 9.

10. ةروصل ال ي ف حضورم وه امك يونثال يساس ال 10.

```

last-rc-change: Tue Sep  1 18:26:24 2020; questions, execute

PCSD Status:
primary-node: Online
secondary-node: Online

Daemon Status:
corosync: active/enabled
pacemaker: active/enabled
pcsd: active/enabled
Last login: Wed Sep  2 08:52:24 UTC 2020 on pts/0

Database Replication Status:
=====
Database is currently the replication slave - Replicating from secondary-node (:.....18)

Replication to slave:
client_addr | backend_start | state | write_lag | flush_lag | replay_lag
-----
(0 rows)

Replication from master:
pg_last_xlog_replay_location
-----
0/7079718
(1 row)

secondary-node: Offline
primary-node: Online

Daemon Status:
corosync: active/enabled
pacemaker: active/enabled
pcsd: active/enabled
Last login: Wed Sep  2 09:03:23 UTC 2020 on pts/0

Database Replication Status:
=====
Database is currently the replication master - Replicating to primary-node (:.....6)

Replication to slave:
client_addr | backend_start | state | write_lag | flush_lag | replay_lag
-----
192.168.1.4 | 2020-09-01 15:36:33.502635+00 | streaming | 0 | 0
(1 row)

Replication from master:
pg_last_xlog_replay_location
-----
0/53C0C48
(1 row)

```

11. الالاحل ف ةيونالالو، ةلصلم بلقلا ااضبن ةيموسرللا مدخلسملا ةهجالو رهظت 11. ةروصلال ف حضوم وه امك دادعلسالال ةلح ف ةيساسالال او ةطشنلال



Smart Software Manager On-Prem

- Access Management
- Security
- Accounts
- Settings
- API Toolkit
- Support Center
- High Availability Status
- Synchronization
- Network
- Users

High Availability X

Host
Event Logs

✓

Normal

The status of the high availability cluster is normal.

Heartbeat

Connection status: **Connected**

VIP .12

Active Server

public address (10)

secondary-node (192.168.1.5)

Active

Standby Server

public address (1.5)

primary-node (192.168.1.4)

Standby

System Information

Physical Memory	7.62 GB	Physical Memory	--
Disk Space	7.70 GB	Disk Space	--
Current Version	8-202006	Current Version	--

12. (10). مداخ .طشنلال دادعلسالال عضو لىل ع هطيشنتو ديدج رابلخال باسح ءاشناب مق 12.

13. ةلحرملا هذه ف (5) ةيساسالال (GUI) ةيموسرللا مدخلسملا ةهجالو لوصولال نوكل نل - 13

Accounts

Accounts

Account Requests

Event Log

New Account

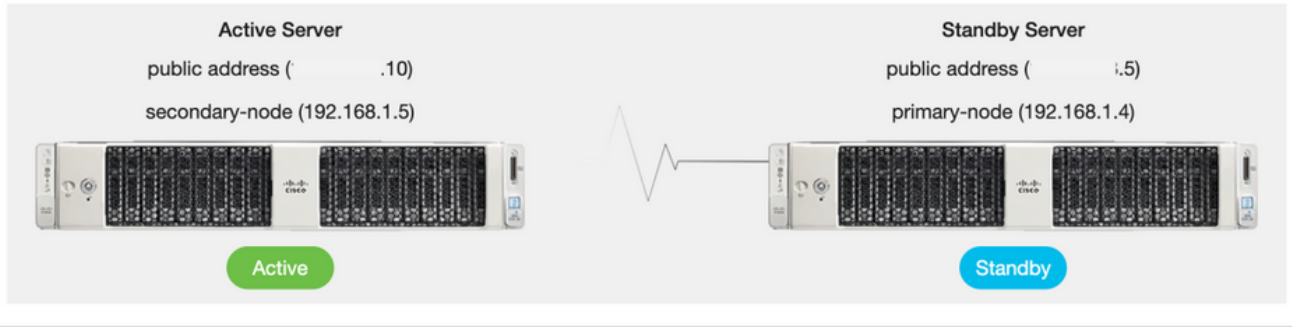


Search by Account Name

Account	Requested By	Cisco Smart Account	Cisco Virtual Account	Account Status	Actions
annanr-ssm-on-prem-8-202006	annanr@cisco.com	.com	annanr-SSM-On-Prem-8-202006	Active	Actions
TEST	annanr@cisco.com	.com	TEST123	Active	Actions

Showing All 2 Records

VIP .12



ي ط ا ي ت ح

1. ةروصل ال ي ف حضورم وه امك ةي و ن ا ث ل ال ي ف HA_CLUSTER ف ا ق ي ا .

```
[>> ha_cluster_stop
Last login: Wed Sep  2 09:03:25 UTC 2020 on pts/0
Stopping Cluster (pacemaker)...
Stopping Cluster (corosync)...
[>>
```

2. ي و ن ا ث ل ال م دا خ ل ا ن ا ي ب ة د ع ا ق و ي س ا س ا ل م دا خ ل ا ن ا ي ب ة د ع ا ق ل ة ي ل ا ح ال ة ل ا ح ال ة ي و ر ن ك م ي . ا ن ه .

```
Database Replication Status:
Database is currently the replication slave - Replicating from secondary-node (.10)

Replication to slave:
client_addr | backend_start | state | write_lag | flush_lag | replay_lag
(0 rows)

Replication from master:
pg_last_xlog_replay_location
9/7079810
(1 row)

ha_cluster_start ha_deploy ha_provision_standby ha_teardown
ha_cluster_stop ha_generatekeys ha_status
[>> ha_cluster_stop
Last login: Wed Sep  2 09:03:25 UTC 2020 on pts/0
Stopping Cluster (pacemaker)...
Stopping Cluster (corosync)...
[>>
[>>
[>> ha_status
Last login: Wed Sep  2 09:04:44 UTC 2020 on pts/0
Error: cluster is not currently running on this node
Last login: Wed Sep  2 09:10:52 UTC 2020 on pts/0

Database Replication Status:
DB service not currently running.
[>>
```

3. VIP م ا د خ ت س ا ب ة ح م د م ال (GUI) ة ي م و س ر ل م د خ ت س م ال ه و ا و ي ف SSM ال ل و خ د ل ا ل ي ح س ت م ت . ة ي و ن ا ث ل ال (GUI) ة ي م و س ر ل م د خ ت س م ال ه و ا و ف ا ق ي ا م ت و .

4. ط ش ن م دا خ ك (.5) ي س ا س ا ل م دا خ ل ا ض ر ع م ت ي .

5. ب ل ق ل ا ت ا ق د ل ص ف ن ت .

6. دادعتسالا ةلأح ىلإ (5). يوناتلأ مءاأل لقن مت .

High Availability

Host Event Logs

Degraded
The cluster is degraded One of the cluster nodes is offline

Heartbeat
Connection status: **Disconnected**

VIP .12

Active Server
public address (. .1.5)
primary-node (192.168.1.4)
Active

Standby Server
public address (. .10)
secondary-node (192.168.1.5)
Degraded

7. آسنلأ شء ءىء ءنمزملا ةلأء ف اءىءء هؤاشننإ مت فءلأ "رابتآلال باسء" ةفؤرنكمف . ةروصلأ ف ءضوم وه امك "فساسال" ىلإ "فوناتلأ" تاناىب ةءءاق نم لءامءملا

High Availability

Host Event Logs

Degraded
The cluster is degraded One of the cluster nodes is offline

Heartbeat
Connection status: **Disconnected**

VIP .12

Active Server
public address (. .1.5)
primary-node (192.168.1.4)
Active

Standby Server
public address (. .10)
secondary-node (192.168.1.5)
Degraded

Accounts

Account	Requested By	Cisco Smart Account	Cisco Virtual Account	Account Status	Actions
annan-ssm-on-prem-8-202006	annan@cisco.com	com	annan-SSM-On-Prem-8-202006	Active	Actions
TEST	annan@cisco.com	com	TEST123	Active	Actions

Showing All 2 Records

Synchronization

Name	Satellite Name	Last Synchronization	Synchronization Due	Alerts	Ac
annan-ssm-on-prem-8-202006	annan-ssm-on-...	2020-Sep-02 07:33:32	2020-Oct-02 07:33:32	Synchronization Successful	Acti
TEST	TEST	2020-Sep-02 07:35:42	2020-Oct-02 07:35:42	Synchronization Successful	Acti

8. ف (12). ءمهملا ةفصءشلأ ناوع نم (GUI) ةفموسررلا مءءءسملا ةهءا ءلإ لوصولأ نكمف . فوناتلأ ءنرءنإل لوكوءورب ناوع نم سفلو ةلءءملا هءه

9. ةروصلأ ف ءضوم وه امك فوناتلأ مءاأل ىلء HA ةءومءم لىءشء ءءب .


```
>> ha_cluster_start
Last login: Wed Sep  2 09:10:52 UTC 2020 on pts/0
Starting Cluster (corosync)...
Starting Cluster (pacemaker)...
```

10. يساسأل مدخال تانايب ةدعاق نأ ةومجملاب ةصاخال HA ةلاح رهظت 10. يلع (Replication Slave) يونثال مدخال تانايب ةدعاق خسنب موقت راسيلى لىع ةدوجومل ةروصلال يف ةقوتم وه امك نيميلى

```
PCSD Status:
secondary-node: Online
primary-node: Online

Daemon Status:
corosync: active/enabled
pacemaker: active/enabled
pcsd: active/enabled
Last login: Wed Sep  2 09:09:35 UTC 2020 on pts/0

Database Replication Status:
Database is currently the replication master - Replicating to secondary-node (192.168.1.10)

Replication to slave:
client_addr | backend_start | state | write_lag | flush_lag | replay_lag
-----|-----|-----|-----|-----|-----
192.168.1.5 | 2020-09-02 09:08:39.358506+00 | streaming | 0 | 0 | 0
(1 row)

Replication from master:
pg_last_xlog_replay_location
0/7879810
(1 row)

PCSD Status:
secondary-node: Online
primary-node: Online

Daemon Status:
corosync: active/enabled
pacemaker: active/enabled
pcsd: active/enabled
Last login: Wed Sep  2 09:20:43 UTC 2020 on pts/0

Database Replication Status:
Database is currently the replication slave - Replicating from primary-node (192.168.1.5)

Replication to slave:
client_addr | backend_start | state | write_lag | flush_lag | replay_lag
-----|-----|-----|-----|-----|-----
(0 rows)

Replication from master:
pg_last_xlog_replay_location
0/7800000
(1 row)

>>
>>
>>
>>
>>
```

11. طشنال يساسأل مدخال نيب ةلصتم بلق تاقد (GUI) ةيوسرللا مدختسمللا ةهجاو رهظت 11. يطايتحال يونثال مدخاللاو

12. Cisco Software Central عم حاجنب TEST باسح نمازتي.

The screenshot shows the Cisco Smart Software Manager (SSM) interface. The main window is titled 'High Availability' and shows a 'Normal' status for the high availability cluster. It displays two servers: 'Active Server' (primary-node 192.168.1.4) and 'Standby Server' (secondary-node 192.168.1.5). A 'Synchronization' table is also visible, showing successful syncs for 'annanr-sm-on-prem-8-202006' and 'TEST'.

Name	Satellite Name	Last Synchronization	Synchronization Due	Alerts	Actions
annanr-sm-on-prem-8-202006	annanr-sm-on-...	2020-Sep-02 07:33:32	2020-Oct-02 07:33:32	Synchronization Successful	Actions
TEST	TEST	2020-Sep-02 07:35:42	2020-Oct-02 07:35:42	Synchronization Successful	Actions

ىلع بلغللا ءانثأ VIP ىلع SSM عم جتنملا ليثم ليحست فلخالو لاطعال

ل: لىللا اذم مادختساب PREM ىلع SSM يمداخ نيب يلىع رفاوتللا نيوكت بجي

HA: إعداد وجمع رشن

https://www.cisco.com/web/software/28628517/152313/Smart_Software_Manager_On-Prem_8-202006_Installation_Guide.pdf

مداخلت أس، ضرع ال اذه يف

يساس ال مداخل ل IP اونع - 11.

يونال مداخل اب صال IP اونع - 9.

يرهال IP اونع - 14.

ةال الة ال

مداخل (9). يونال و طشن مداخل (11). يساس ال مداخل رهظي يذال HA نم حجان نيوك ت 1. (14). ةمهم ةيصخشو يطايتحإ

System Information			
Active Server	Standby Server		
Physical Memory	7.62 GB	Physical Memory	--
Disk Space	7.83 GB	Disk Space	--
Current Version	8-202105	Current Version	--

2. يساس ال مداخل تاناي ب ةدعاق نأ ةومجم ل اب ةصال ال HA ةال حضوت 2. لىع (Replication Slave) يونال مداخل تاناي ب ةدعاق لىل خسنت راسي لىل ةدوجوم ال ةروصل يف ةقوت م وه امك ني ميلا

```
PCSD Status:
primary-node: Online
secondary-node: Online

Daemon Status:
corosync: active/enabled
pacemaker: active/enabled
pcsd: active/enabled
last login: Sun Jun 28 18:12:43 UTC 2021 on pts/0

Database Replication Status:
=====
Database is currently the replication master - Replicating to secondary-node ( .9)

Replication to slave:
client_addr | backend_start | state | write_lag | flush_lag
| replay_lag
-----
169.254.8.2 | 2021-06-18 15:08:57.211221+00 | streaming | 0 | 0
(1 row)

Replication from master:
pg_last_xlog_replay_location

PCSD Status:
secondary-node: Online
primary-node: Online

Daemon Status:
corosync: active/enabled
pacemaker: active/enabled
pcsd: active/enabled
last login: Sun Jun 28 18:11:42 UTC 2021 on pts/0

Database Replication Status:
=====
Database is currently the replication slave - Replicating from primary-node ( '.11)

Replication to slave:
client_addr | backend_start | state | write_lag | flush_lag | replay_lag
-----
(0 rows)

Replication from master:
pg_last_xlog_replay_location
9/C763AF9
(1 row)

>>>
>>>
```

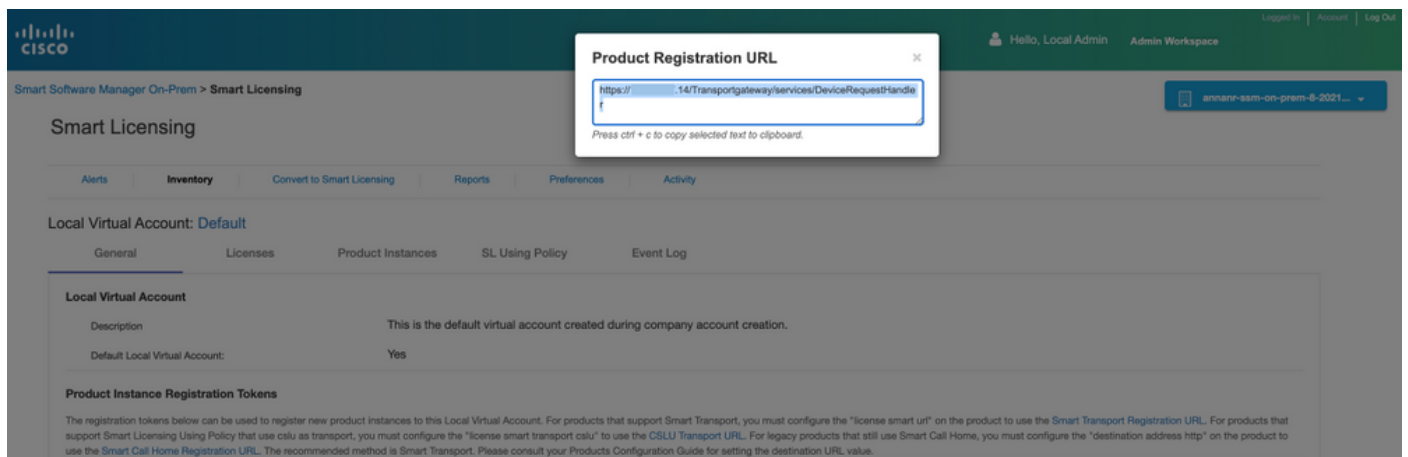
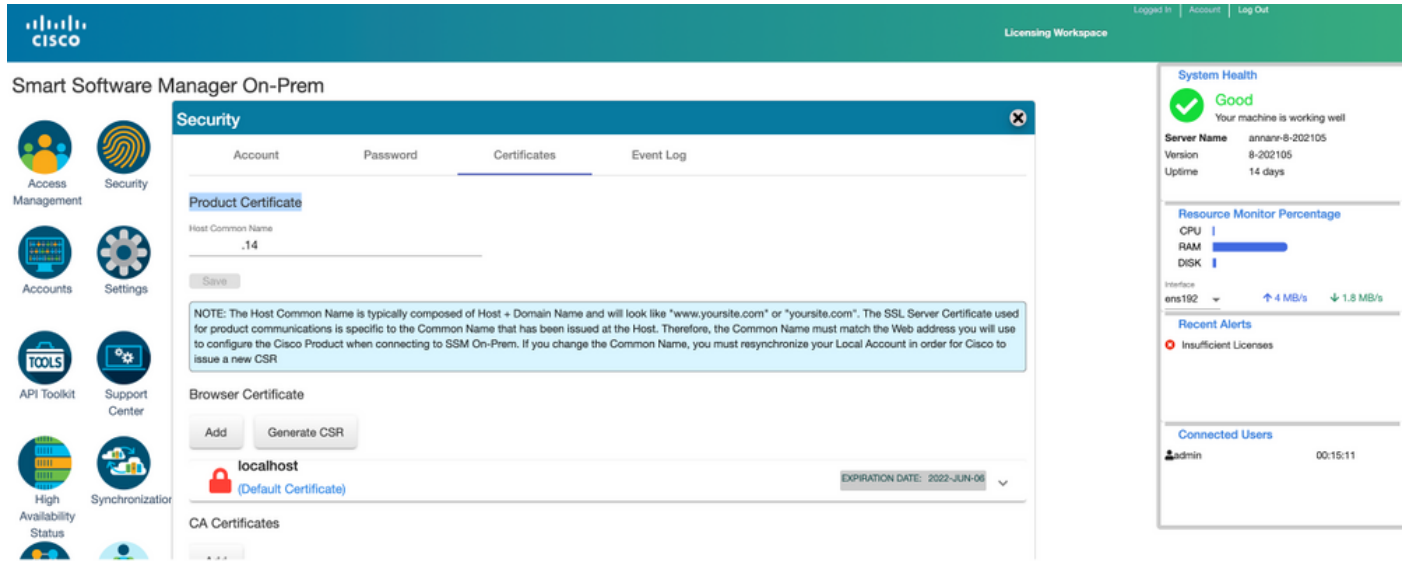
3. لىع ةرادال لمع ةحاسم لىل لوخدل لىجستب مق HA ةومجم ك SSM On-Prem رشن دنع 3. عئاشل مسالا لىل يرهال IP اونع مداخلت ساو تاداهشل > نام ال لىل لقتنا م، SSM، ف يضم ل

4. جت نمل ةهوجو URL ناو نعل اهم اذختسال ططخت يتلا ةميقلل ةميقلل هذه قباطت نا بجي .
سيلولو FQDN ةميقلل هذه نوكت نا بجي ، (IPv4 و IPv6 نم لك) جودزملل سدكملل رشن ةلاحي ف
ناو نعل IP.

5. مسال اذختساب تاداهشلل ءاشن ةداخ نم دكأت ، فيضملل ءاشلل مسالل ثيذحت دعب .
Cisco نم ةيكلذل جماربلل ريذم عم ةيكلحملل كئاباسح ةنمازم لال خ نم ذيذلل ءاشلل

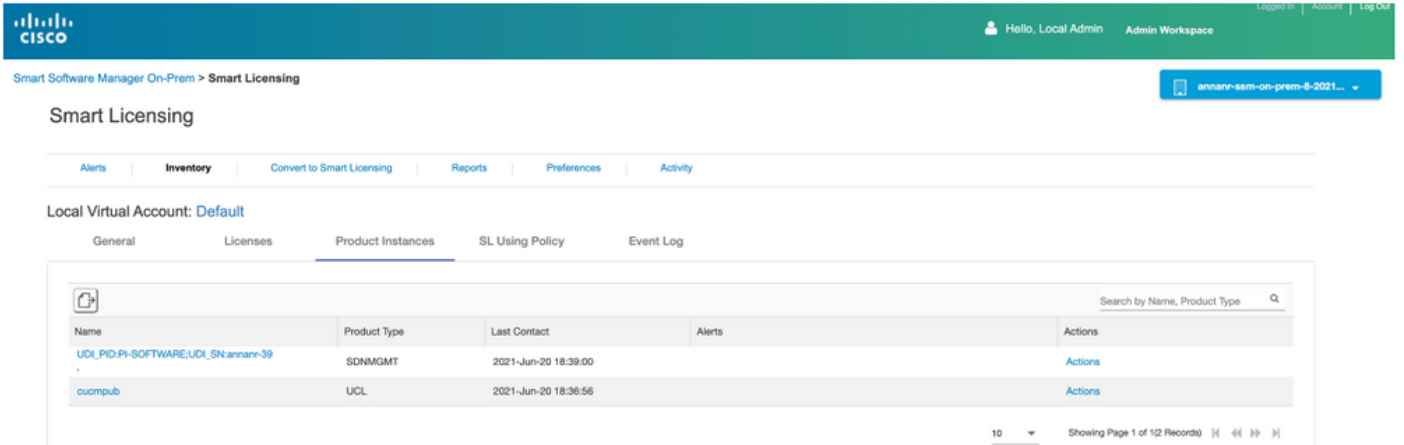
6. كرتشملل مسال اذختساب تاجت نملل ليچست ةداخ ةلواجم لبق ةنمازملل كي لعل بجي .
ةهوجو URL ناو نعل نيوكت في ذيذلل

7. كرتشملل فيضملل مساب ليچستل في تاجت نملل لشف لىل ةنمازملل مدع يذوي ذق .
ذيذلل

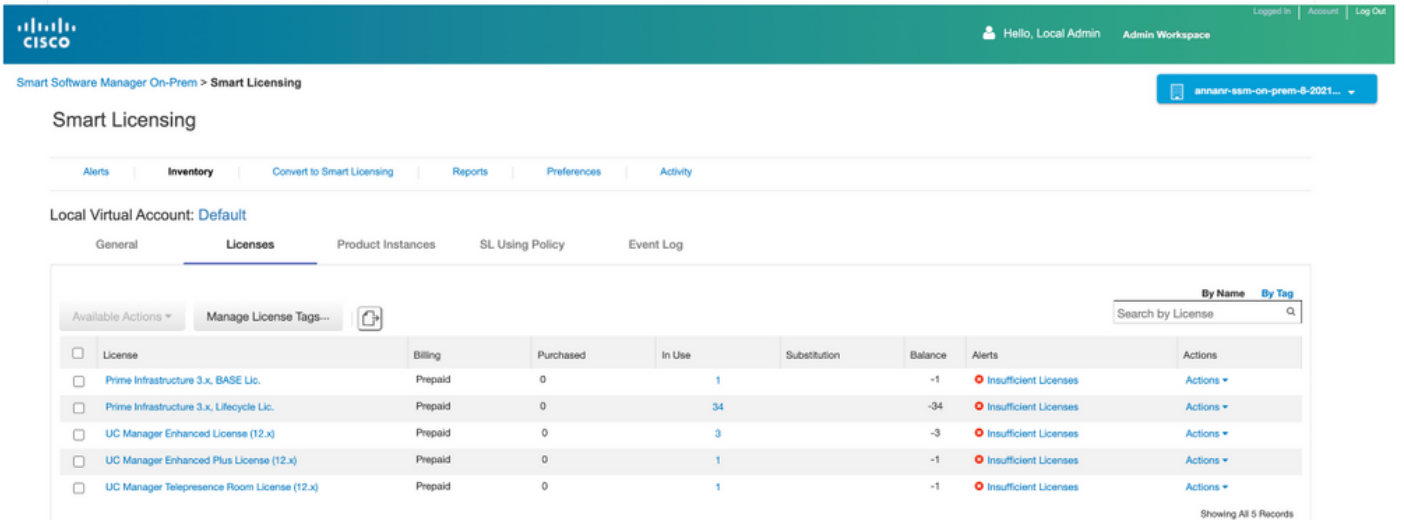


8. صاخال SSM ناو نعل لىل (cucmpub) و (anr-39) ، تاجت نملل نم نيذحتل لىل ليچست مت .
جت نملل تاليثم بيوبتلل ةمالع في حوضوم وه امك ةمهملل تايصخشلل

9. ةمالع في هذه جت نملل تاليثم لبق نم بولطملل/لكلهتسملل صيخرتلل نيذحت مت .
صيخرتلل بيوبتلل



Name	Product Type	Last Contact	Alerts	Actions
UDI_PID-PI-SOFTWARE;UDI_SN:annanr-39	SDNMGMT	2021-Jun-20 18:39:00		Actions
cucmpub	UCL	2021-Jun-20 18:36:56		Actions



License	Billing	Purchased	In Use	Substitution	Balance	Alerts	Actions
<input type="checkbox"/> Prime Infrastructure 3.x, BASE Lic.	Prepaid	0	1		-1	● Insufficient Licenses	Actions
<input type="checkbox"/> Prime Infrastructure 3.x, Lifecycle Lic.	Prepaid	0	34		-34	● Insufficient Licenses	Actions
<input type="checkbox"/> UC Manager Enhanced License (12.x)	Prepaid	0	3		-3	● Insufficient Licenses	Actions
<input type="checkbox"/> UC Manager Enhanced Plus License (12.x)	Prepaid	0	1		-1	● Insufficient Licenses	Actions
<input type="checkbox"/> UC Manager Telepresence Room License (12.x)	Prepaid	0	1		-1	● Insufficient Licenses	Actions

لشفالزواجت

1. ةروصلاليفحضوروموهامكيساسألماذلالىلعلع HA ةومجمفاقيلإ.

```

PCSD Status:
primary-node: Online
secondary-node: Online

Daemon Status:
corosync: active/enabled
pacemaker: active/enabled
pcsd: active/enabled
Last login: Sun Jun 20 18:12:43 UTC 2021 on pts/0

Database Replication Status:
Database is currently the replication master - Replicating to secondary-node ( .....9)

Replication to slaves:
client_addr | backend_start | state | write_lag | flush_lag | replay_lag
-----+-----+-----+-----+-----+-----
169.254.0.2 | 2021-06-18 15:58:57.211121+00 | streaming | 0 | 0
(1 row)

Replication from master:
pg_last_xlog_replay_location
-----
(1 row)

>> ha_cluster_stop
Last login: Sun Jun 20 18:12:45 UTC 2021 on pts/0
Stopping Cluster (pacemaker)...
Stopping Cluster (corosync)...
>>

```

2. ةدوومال SSM ةركاذب ةصاخال (GUI) ةي موصولا مدختس مالا ةهجاو لىل لودخالا ليجست مت . ةيساسأل (GUI) ةي موصولا مدختس مالا ةهجاو فاقيلإ متو (.14) VIP مادختساب مذللالىلعلع

3. طشن مذك (.9) يونال مذللال ضرع متي .

4. بلقلال تاقد لصفنت .

5. دادعتسالال ةلاح لىلإ (.11) يساسأل مذللال لقن متي .

High Availability

Host | Event Logs

Degraded
The cluster is degraded One of the cluster nodes is offline

Heartbeat
Connection status: **Disconnected**

VIP 192.168.1.14

Active Server	Standby Server
public address (.9)	public address (11)
secondary-node (169.254.0.2)	primary-node (169.254.0.1)
Active	Degraded

System Information

Active Server	Standby Server
Physical Memory 7.62 GB	Physical Memory --
Disk Space 7.56 GB	Disk Space --
Current Version 8-202105	Current Version --

System Health
Good
Your machine is working well

Server Name: annan-7-20-8-05
Version: 8-202105
Uptime: 11 days

Resource Monitor Percentage
CPU |
RAM |
DISK |

Interface: ens192 | ↑ 5.8 MB/s | ↓ 3.9 MB/s

Recent Alerts
Insufficient Licenses

Connected Users
admin 00:00:18

6. دادع إيف تاجت نم الم ليجستل URL ناوع يف SSM VIP مادختساب تاجت نم الم تاليم ليجست 6. ةروصلال يف حضوم وه امك لقنلال ةرابع

Prime Infrastructure | Application Search | root - ROOT-DOMAIN

Administration / Settings / System Settings

System Settings | General Account Settings

Cisco.com Credentials | Proxy | Support Request | **Smart Licensing Transport**

Please read the below instructions

- *On Clicking HTTP/HTTPS Proxy, traverse to Proxy tab for configuring proxy settings.*
- *In Transport Gateway Mode, usage information will be sent over the Internet via Smart Call Home Transport Gateway. For the setup details, please click [Transport Gateway](#) and [satellite](#).*

Transport Mode: Direct Transport Gateway HTTP/HTTPS Proxy

Enter a valid URL:

Save | Reset | Test Connectivity

7. امك VIP ناوع مادختساب مداخلال لىل SSM عم حاجنب PI37 ليجست مت: تاجت نم الم ليجست م سا 7. ةروصلال يف حضوم وه

Prime Infrastructure Administration / Licenses and Software Updates / Smart Software Licensing

License Dashboard Settings

Smart Software Licensing

To view and manage Smart Licenses for your Cisco Smart Account, go to [Smart Software Manager](#)

Smart Software Licensing Status

Licensing Mode: Smart Software Licensing
 Product Name: Prime Infrastructure
 Registration Status: ✔ Registered (Jun 20, 2021)
 License Authorization Status: ✘ Out of Compliance (Jun 20, 2021)
 Smart Account: anranr-sam-on-prem-8-202105
 Virtual Account: Default
 Product Instance Name: p37
 Transport Settings: Transport Gateway [View / Edit](#)

Smart License Usage

Choose Licenses Last updated: Sunday Jun 20, 2021 at 7:28 PM

License	Description	Count	Status
Prime Infrastructure 3.x, Assurance Lic.	The Assurance license	2	✘ Out of Compliance
Prime Infrastructure 3.x, BASE Lic.	The Base license	1	✘ Out of Compliance
Prime Infrastructure 3.x, Lifecycle Lic.	The Lifecycle license	14	✘ Out of Compliance
Prime Infrastructure 3.x, UCS Server MGMT Lic.	The Data Center license	0	✔ No Licenses In Use
Prime Infrastructure 3.x, UCS VM	The Data Center Hypervisor license	0	✔ No Licenses In Use

Success
Smart agent registered successfully

تحتاج نم ال لي ج ست ل URL ناوع في SSM VIP م ادخ ت ساب ي خ ال ا تاج ت نم ال ت ال ي ت م لي ج ست 8. ل ق ن ال ة با و ب د ا د ع ي ف

Status

i Transport settings saved successfully.

Configure how the product instance will communicate with Cisco.

Direct - product communicates directly with Cisco licensing servers.
URL : <https://tools.cisco.com/its/service/oddce/services/DDCEService>

Transport Gateway - proxy data via Transport Gateway or Smart Software Manager satellite.
URL :

HTTP/HTTPS Proxy - send data via an intermediate HTTP or HTTPS Proxy.

Authentication needed on HTTP or HTTPS proxy

IP Address/Host Name :
 Port :
 User Name :
 Password :

Do not share my hostname or IP address with Cisco.

ق ب س م ل ك ش ب (SSM) ة ب ل ص ل ال ة ل ا ح ال ة ر ا د ا م ادخ ت ساب ا ح ا ن ب ت ا ج ت نم ال لي ج ست ل م ت ك 9. ة ر و ص ل ال ي ف ح ض و م و ه ا م ك VIP ناوع م ادخ ت ساب

Status

i Registration completed successfully

Smart Software Licensing Product Registration

To register the product for Smart Software Licensing:

Paste the Product Instance Registration Token you generated from [Smart Software Manager](#) or your Smart Software Manager satellite

م ادخ ت ساب م دا خ ل ال ل ع SSM ع م CUCM-PUB-30 لي ج ست ا ح ا ن ب م ت : ج ت نم ال لي ج ست م س ا 10. ة ر و ص ل ال ي ف ح ض و م و ه ا م ك VIP ناوع

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

System ▾ Call Routing ▾ Media Resources ▾ Advanced Features ▾ Device ▾ Application ▾ User Management ▾ Bulk Administration ▾ Help ▾

License Management

Status
 Smart Software Licensing: The system is operating with an insufficient number of licenses. Configure additional licenses in [Smart Software Manager](#) within 72 days to avoid losing the ability to provision users and devices.

Smart Software Licensing

Registration Status	Registered
License Authorization Status	Out of Compliance (Sunday, June 20, 2021 10:29:53 PM EEST)
Smart Account	annanr-ssm-on-prem-8-202105
Virtual Account	Default
Product Instance Name	cucm-pub-30
Export-Controlled Functionality	Allowed
Transport Settings	Transport Gateway View/Edit the Licensing Smart Call Home settings
Licensing Mode	Enterprise

License Usage Report

Below is a summary of current license usage on the system. Current usage details for each type are available by pressing "Update Usage Details". Note that collecting these data is a resource intensive process and may take several deployment.
[View All License Type Descriptions And Device Classifications](#)

[Update Usage Details](#) Usage Details Last Updated: 2021-06-20 22:30:09

License Requirements by Type

License Type	Current Usage	Status	Report
CUWL	0	No Licenses in Use	Users(0) Unassigned Devices(0)
Enhanced Plus	0	No Licenses in Use	Users(0)
Enhanced	44	Out of Compliance	Users(8) Unassigned Devices(36)
Basic	2	Out of Compliance	Users(1) Unassigned Devices(1)
Essential	4	Out of Compliance	Users(0) Unassigned Devices(4)
TelePresence Room	0	No Licenses in Use	Users(0) Unassigned Devices(0)

Users and Unassigned devices

Users	9	View Usage Report
Unassigned Devices	41	View Usage Report

11. ب صاخال VIP ناو نع ىل (cucm-pub-30) و (pi37)، اناجت نم الم نم ني تدي دج ني ت لال لچ ست مت .
 جت نم الم تال يثم بي و بت لال ةم ال ع ي ف ح صوم وه امك جت نم الم ةئيه ىل ع SSM.

12. ةم ال ع ي ف هذ ه جت نم الم تال يثم لبق نم بول طم الم /ك له لت س الم ص ي خرت لال ني م ص ت م ي .
 ص ي خرت لال بي و بت لال.

CISCO Hello, Local Admin Admin Workspace Logged In Account Log Out

Smart Software Manager On-Prem > Smart Licensing annanr-ssm-on-prem-8-2021...

Smart Licensing

Alerts | **Inventory** | Convert to Smart Licensing | Reports | Preferences | Activity

Local Virtual Account: Default

General | **Licenses** | Product Instances | SL Using Policy | Event Log

Name	Product Type	Last Contact	Alerts	Actions
UDI_PID-PI-SOFTWARE;UDI_SN:annanr-39	SONMGMT	2021-Jun-20 18:39:00		Actions
UDI_PID-PI-SOFTWARE;UDI_SN:pi37:	SONMGMT	2021-Jun-20 19:28:47		Actions
cucmpub	UCL	2021-Jun-20 18:36:56		Actions
cucm-pub-30	UCL	2021-Jun-20 19:28:51		Actions

10 Showing Page 1 of 1(4 Records) << >>

Smart Software Manager On-Prem > Smart Licensing

Smart Licensing

Alerts | Inventory | Convert to Smart Licensing | Reports | Preferences | Activity

Local Virtual Account: Default

General | Licenses | Product Instances | SL Using Policy | Event Log

Available Actions | Manage License Tags... | Search by License

License	Billing	Purchased	In Use	Substitution	Balance	Alerts	Actions
<input type="checkbox"/> Prime Infrastructure 3.x, Assurance Lic.	Prepaid	0	2		-2	Insufficient Licenses	Actions
<input type="checkbox"/> Prime Infrastructure 3.x, BASE Lic.	Prepaid	0	2		-2	Insufficient Licenses	Actions
<input type="checkbox"/> Prime Infrastructure 3.x, Lifecycle Lic.	Prepaid	0	48		-48	Insufficient Licenses	Actions
<input type="checkbox"/> UC Manager Basic License (12.x)	Prepaid	0	2		-2	Insufficient Licenses	Actions
<input type="checkbox"/> UC Manager Enhanced License (12.x)	Prepaid	0	47		-47	Insufficient Licenses	Actions
<input type="checkbox"/> UC Manager Enhanced Plus License (12.x)	Prepaid	0	1		-1	Insufficient Licenses	Actions
<input type="checkbox"/> UC Manager Essential License (12.x)	Prepaid	0	4		-4	Insufficient Licenses	Actions
<input type="checkbox"/> UC Manager Telepresence Room License (12.x)	Prepaid	0	1		-1	Insufficient Licenses	Actions

Showing All 8 Records

13. يسيئرل مداخل ال HA وعومجم ليغشت ادب.

```
>> ha_cluster_start
Last login: Sun Jun 20 19:36:49 UTC 2021 on pts/0
Starting Cluster (corosync)...
Starting Cluster (pacemaker)...
```

14. ةيونال تانايب ال ةدعاق نم ةررك م ةيساس ال تانايب ال ةدعاق نأ HA وعومجم ةلا ح نيبت -

15. ةروصل ال ف حضورم وه امك يونال ايساس ا.

```
PCSD Status:
primary-node: Online
secondary-node: Online

Daemon Status:
corosync: active/enabled
pacemaker: active/enabled
pcsd: active/enabled
Last login: Sun Jun 20 18:44:08 UTC 2021 on pts/0

Database Replication Status:
Database is currently the replication slave - Replicating from secondary-node (.....9)

Replication to slave:
client_addr | backend_start | state | write_lag | flush_lag | replay_lag
(0 rows)

Replication from master:
pg_last_xlog_replay_location
(1 row)

PCSD Status:
secondary-node: Online
primary-node: Online

Daemon Status:
corosync: active/enabled
pacemaker: active/enabled
pcsd: active/enabled
Last login: Sun Jun 20 18:42:18 UTC 2021 on pts/0

Database Replication Status:
Database is currently the replication slave - Replicating from primary-node (.....13)

Replication to slave:
client_addr | backend_start | state | write_lag | flush_lag | replay_lag
(0 rows)

Replication from master:
pg_last_xlog_replay_location
8/0743028
(1 row)
```

16. ةلا ح ال ف ةيونال او، ةلصتم بلقل ال تاقد (GUI) ةيموسرل م دختس مل ةه او رهظت ال ةروصل ال ف حضورم وه امك دادعتس ال ةلا ح ال ف ةيساس ال او ةطشن ال

Active Server		Standby Server	
Physical Memory	7.62 GB	Physical Memory	--
Disk Space	7.54 GB	Disk Space	--
Current Version	8-202105	Current Version	--

يطايتح

1. ةيوناتل ةلحرم ل ف HA_CLUSTER ف اقي إ.
2. يوناتل مداخل تانايب ةدعاقو و يساسأل مداخل تانايب ةدعاق ل ةي لال ةلحال ةيؤر نكم ي ةلطم.

```

Last login: Sun Jun 20 18:58:34 UTC 2021 on pts/0
-----
Database Replication Status:
-----
Database is currently the replication slave - Replicating from secondary-node ( .9)

Replication to slave:
 client_addr | backend_start | state | write_lag | flush_lag | replay_lag
-----
(0 rows)

Replication from master:
 pg_last_xlog_replay_location

0/8012730
(1 row)
>>

[>>
[>>
[>> ha_cluster_stop
Last login: Sun Jun 20 18:45:56 UTC 2021
Stopping Cluster (pacemaker)...

Stopping Cluster (corosync)...
>>
>>
[>> ha_status
Last login: Sun Jun 20 18:47:20 UTC 2021 on pts/0
Error: cluster is not currently running on this node
Last login: Sun Jun 20 18:57:24 UTC 2021 on pts/0
-----
Database Replication Status:
-----
DB service not currently running.
>>

```

3. ةدوجوم ل SSM ةركاذب ةصاخال (GUI) ةي موسرل م دختس م ل ةهجاو ل ل و خدل ل ليجست مت.
4. طشن مداخل (.11) يساسأل مداخل ضرع مت ي.
5. بلقلل تاقد لصفنت.
6. دادعتسالا ةلحال ل (.9) يوناتل مداخل ل قن مت.

7. في (.14) مةمالملة ةي صخشللا ناو نع نم (GUI) ةيموسرللا مدختس ملة ةهجاو ىلإ لوصوللا نكمي .7
 يوناثللا تنرتنإلا لوكوتورب ناو نع نم سىللو ةلحر ملة هذه

8. يوناثللا مداخللا ىلح HA ةومجم لىغشت ادب .

```
>> ha_cluster_start
Last login: Sun Jun 20 18:57:24 UTC 2021 on pts/0
Starting Cluster (corosync)...
Starting Cluster (pacemaker)...
>>
```

9. ىلح (Replication Master) ساسألا مداخللا تانايب ةدعاق نأ ةومجم لىاب ةصاخلا HA ةلاح حضوت .9
 ىلح (Replication Slave) يوناثللا مداخللا تانايب ةدعاق ىلإ خسنت راسيلا ىلح ةدوجوملا
 عقتوتم وه امك نيمللا

```
PCSD Status:
primary-node: Online
secondary-node: Online

Daemon Status:
corosync: active/enabled
pacemaker: active/enabled
pcsd: active/enabled
Last login: Sun Jun 20 19:05:09 UTC 2021 on pts/0

Database Replication Status:
Database is currently the replication master - Replicating to secondary-node ( 9)

Replication to slave:
client_addr | backend_start | state | write_lag | flush_lag | replay_lag
-----|-----|-----|-----|-----|-----
169.254.0.2 | 2021-06-20 19:01:56.616211+00 | streaming | 0 | 0 | 0
(1 row)

Replication from master:
pg_last_xlog_replay_location
-----
0/6012730
(1 row)

PCSD Status:
secondary-node: Online
primary-node: Online

Daemon Status:
corosync: active/enabled
pacemaker: active/enabled
pcsd: active/enabled
Last login: Sun Jun 20 19:04:47 UTC 2021 on pts/0

Database Replication Status:
Database is currently the replication slave - Replicating from primary-node ( 11)

Replication to slave:
client_addr | backend_start | state | write_lag | flush_lag | replay_lag
-----|-----|-----|-----|-----|-----
(0 rows)

Replication from master:
pg_last_xlog_replay_location
-----
0/10000000
(1 row)

>>
>>
```

10. طشنللا ساسألا مداخللا نيبلصتم بلق تاقد (GUI) ةيموسرللا مدختس ملة ةهجاو رهظت .10
 يطايتحاللا يوناثللا مداخللاو

Smart Software Manager On-Prem

High Availability

Host | Event Logs

Normal
The status of the high availability cluster is normal.

Heartbeat
Connection status: **Connected**

VIP .14

Active Server
public address (.11)
primary-node (169.254.0.1)

Standby Server
public address (.9)
secondary-node (169.254.0.2)

System Information

Active Server		Standby Server	
Physical Memory	7.62 GB	Physical Memory	--
Disk Space	7.83 GB	Disk Space	--
Current Version	8-202105	Current Version	--

System Health: **Good**
Your machine is working well.
Server Name: annan-8-202105
Version: 8-202105
Uptime: 14 days

Resource Monitor Percentage
CPU |
RAM |
DISK |

Recent Alerts
Insufficient Licenses

Connected Users
admin 00:07:26

11. عمال على دوجوم ال SSM ب صاخال VIP ناونع على لجمسم الة برأال جتنم ال تاليم عي مج 11. جتنم ال تاليم بيوبت ال

12. عمال على هذ جتنم ال تاليم لبق نم بولطم ال/ك لهتسم ال صيخرت ال ني مضت م تي 12. صيخرت ال بيوبت ال

Smart Software Manager On-Prem > Smart Licensing

Smart Licensing

Alerts | Inventory | Convert to Smart Licensing | Reports | Preferences | Activity

Local Virtual Account: Default

General | Licenses | Product Instances | SL Using Policy | Event Log

Name	Product Type	Last Contact	Alerts	Actions
UDI_PID-PI-SOFTWARE:UDI_SN:annan-39	SDNMGMT	2021-Jun-20 18:39:00		Actions
UDI_PID-PI-SOFTWARE:UDI_SN:pi37:	SDNMGMT	2021-Jun-20 19:28:47		Actions
cucompub	UCL	2021-Jun-20 18:36:56		Actions
cuom-pub-30	UCL	2021-Jun-20 19:28:51		Actions

Showing Page 1 of 1 (4 Records)

Smart Licensing

Alerts | Inventory | Convert to Smart Licensing | Reports | Preferences | Activity

Local Virtual Account: Default

General Licenses Product Instances SL Using Policy Event Log

License	Billing	Purchased	In Use	Substitution	Balance	Alerts	Actions
Prime Infrastructure 3.x, Assurance Lic.	Prepaid	0	2		-2	Insufficient Licenses	Actions
Prime Infrastructure 3.x, BASE Lic.	Prepaid	0	2		-2	Insufficient Licenses	Actions
Prime Infrastructure 3.x, Lifecycle Lic.	Prepaid	0	48		-48	Insufficient Licenses	Actions
UC Manager Basic License (12.x)	Prepaid	0	2		-2	Insufficient Licenses	Actions
UC Manager Enhanced License (12.x)	Prepaid	0	47		-47	Insufficient Licenses	Actions
UC Manager Enhanced Plus License (12.x)	Prepaid	0	1		-1	Insufficient Licenses	Actions
UC Manager Essential License (12.x)	Prepaid	0	4		-4	Insufficient Licenses	Actions
UC Manager Telepresence Room License (12.x)	Prepaid	0	1		-1	Insufficient Licenses	Actions

رفوتال ةيلاع ةومجم يوتسم ضفخ

1. ةرشابم ةزهاجلا ةومجملا ماظن ىل Cisco Smart Manager ماظن فينصت ضفخ نكمي . لقتسم لكشب ةدحاو ةدقع ىل
2. SSM لصومب لاصتال (On-Prem) ةتقوملا ةركاذلا في مكحتلا ةدحو مدختسأ <ha_teardown> رمألا مادختساب ةتقوملا ةركاذلا ىل عطشنال/يساسأل الوي طياتحتال/يونثال مداخل لهات بجي ، PREM ىل SSM ليغشت نم ققحتلا دعب . همادختسا ةداع نكمي
3. ةومجملا ماظن نم الءب هتاذب مئاق ماظن نأل كي دل نوكمي .
4. ةروصلال في حضورم وه امك تااثال مداخل ضفخ ةي لمع ليغشت عدب مت .

```

Database Replication Status:
Database is currently the replication master - Replicating to secondary-node (192.168.1.5)
Replication to slave:
client_addr | backend_start | state | write_lag | flush_lag | replay_lag
192.168.1.5 | 2020-09-02 09:08:59.358586+00 | streaming | 0 | 0
(1 row)

Replication from master:
pg_last_xlog_replay_location
0/7079010
(1 row)

>> ha_teardown
Last login: Wed Sep 2 11:03:58 UTC 2020
WARNING: You are about to destroy the HA cluster configuration
and convert this service node into stand-alone mode without a cluster.
This script operates on the local service node and will not
affect the remote service node.
Destroy HA cluster and convert to stand-alone? Enter 'yes' to continue: yes
Adjusting firewall...
success
The interface is under control of NetworkManager, setting zone to default.
success
Destroying HA cluster...
Stopping Cluster (pacemaker)...
Stopping Cluster (corosync)...
Killing any remaining services...
Removing all cluster configuration files...
Disabling HA services...
Removed symlink /etc/systemd/system/multi-user.target.wants/pcsd.service.
Stopping SSH tunnel...
ssh tunnels.service
added activating auto-restart SSH tunnel device forwarding service
Removed symlink /etc/systemd/system/multi-user.target.wants/ssh tunnels.service.
Removed symlink /etc/systemd/system/multi-user.target.wants/tunha.service.
Cleaning up...
atlantis_default
Enabling SSM stand-alone mode...
Created symlink from /etc/systemd/system/multi-user.target.wants/satellite.service to /etc/systemd/system/satellite.service.
Deleting SSH tunnel user...
HA cluster has been destroyed. SSM is now in stand-alone mode.

>> ha_status
Last login: Wed Sep 2 11:11:39 UTC 2020
Error: cluster is not currently running on this node
Last login: Wed Sep 2 11:15:21 UTC 2020 on pts/0
HA is not enabled.

Last login: Wed Sep 2 11:12:48 UTC 2020 on pts/0
Database Replication Status:
Database is currently the replication slave - Replicating from primary-node (192.168.1.5)
Replication to slave:
client_addr | backend_start | state | write_lag | flush_lag | replay_lag
(0 rows)

Replication from master:
pg_last_xlog_replay_location
0/9880030
(1 row)

>> ha_teardown
Last login: Wed Sep 2 11:12:42 UTC 2020 on pts/0
WARNING: You are about to destroy the HA cluster configuration
and convert this service node into stand-alone mode without a cluster.
This script operates on the local service node and will not
affect the remote service node.
Destroy HA cluster and convert to stand-alone? Enter 'yes' to continue: yes
Adjusting firewall...
success
The interface is under control of NetworkManager, setting zone to default.
success
Destroying HA cluster...
Stopping Cluster (pacemaker)...
Stopping Cluster (corosync)...
Shutting down pacemaker/corosync services...
Killing any remaining services...
Removing all cluster configuration files...
Removed symlink /etc/systemd/system/multi-user.target.wants/pcsd.service.
Stopping SSH tunnel...
Removed symlink /etc/systemd/system/multi-user.target.wants/tunha.service.
Cleaning up...
atlantis_default
Enabling SSM stand-alone mode...
Created symlink from /etc/systemd/system/multi-user.target.wants/satellite.service to /etc/systemd/system/satellite.service.
Deleting SSH tunnel user...
HA cluster has been destroyed. SSM is now in stand-alone mode.

>> ha_status
Last login: Wed Sep 2 11:18:33 UTC 2020
Error: cluster is not currently running on this node
Last login: Wed Sep 2 11:19:02 UTC 2020 on pts/0
HA is not enabled.
    
```

6. ةروصلال في حضورم وه امك يونثال مداخل ىل ليغشتال عدب .

```

=====
Database Replication Status:
=====
Database is currently the replication slave - Replicating from primary-node ( .5)

Replication to slave:
 client_addr | backend_start | state | write_lag | flush_lag | replay_lag
-----+-----+-----+-----+-----+-----
(0 rows)

Replication from master:
 pg_last_xlog_replay_location
-----
 0/9000D30
(1 row)

[>> ha_teardown
Last login: Wed Sep  2 11:12:42 UTC 2020 on pts/0

WARNING: You are about to destroy the HA cluster configuration
and convert this service node into stand-alone mode without a cluster.

This script operates on the local service node and will not
affect the remote service node.

[Destroy HA cluster and convert to stand-alone? Enter 'yes' to continue: yes
Adjusting firewall...
success
success
The interface is under control of NetworkManager, setting zone to default.
success
success
Destroying HA cluster...
Stopping Cluster (pacemaker)...
Stopping Cluster (corosync)...
Shutting down pacemaker/corosync services...
Killing any remaining services...
Removing all cluster configuration files...
Disabling HA services...
Removed symlink /etc/systemd/system/multi-user.target.wants/pcsd.service.
Stopping SSH tunnel...
Removed symlink /etc/systemd/system/multi-user.target.wants/tunha.service.
Cleaning up...
atlantis_default
Enabling SSMS stand-alone mode...
Created symlink from /etc/systemd/system/multi-user.target.wants/satellite.service to /etc/systemd/system/satellite.service.
Deleting SSH tunnel user...

HA cluster has been destroyed.  SSMS is now in stand-alone mode.

>> ]

```

7 - لقت سمل اعضولا يف نآل SSMS دجوت HA. ةومجم ترم دو - 7

```

HA cluster has been destroyed.  SSMS is now in stand-alone mode.

[>> ha_status
Last login: Wed Sep  2 11:18:33 UTC 2020
Error: cluster is not currently running on this node
Last login: Wed Sep  2 11:19:02 UTC 2020 on pts/0
HA is not enabled.

>> ]

```

8. IP ناوع مادختساب اهيلي لوصول متي تال (GUI) ةيموسرللا مدختسمل ةهجاو دعت مل .
رفوتللا يلاع ضرعلا رصنع نم ولخت يوناثلا مدخالل

Smart Software Manager On-Prem

System Health: Good
Your machine is working well
Server Name: CentOS
Version: 8-202006
Uptime: 1 day

Resource Monitor Percentage
CPU: [Progress Bar]
RAM: [Progress Bar]

Network Interface: ens192
Connected
IPv4 Address: .10
Subnet Mask: 255.255.255.0
IPv6 Address: [Blank]
Prefix: [Blank]

Name	Satellite Name	Last Synchronization	Synchroniz
annanr-ssm-on-prem-8-202006	annanr-ssm-on-...	2020-Sep-02 07:33:32	2020-Oct-
TEST	TEST	2020-Sep-02 07:35:42	2020-Oct-

9. ةروصلال ي ف حضوم وه امك يس اسألال مدخالال لى لع لى غشتال ادب .

```
[>> ha_takedown
Last login: Wed Sep  2 11:03:55 UTC 2020

WARNING: You are about to destroy the HA cluster configuration
and convert this service node into stand-alone mode without a cluster.

This script operates on the local service node and will not
affect the remote service node.

[Destroy HA cluster and convert to stand-alone? Enter 'yes' to continue: yes
Adjusting firewall...
success
success
The interface is under control of NetworkManager, setting zone to default.
success
success
Destroying HA cluster...

Stopping Cluster (pacemaker)...
Stopping Cluster (corosync)...
Shutting down pacemaker/corosync services...
Killing any remaining services...
Removing all cluster configuration files...
Disabling HA services...
Removed symlink /etc/systemd/system/multi-user.target.wants/pcsd.service.
Stopping SSH tunnel...
  sshtunha.service
aded  activating auto-restart SSH tunnel device forwarding service
Removed symlink /etc/systemd/system/multi-user.target.wants/sshtunha.service.
Removed symlink /etc/systemd/system/multi-user.target.wants/tunha.service.
Cleaning up...
atlantis_default
Enabling SSMS stand-alone mode...
Created symlink from /etc/systemd/system/multi-user.target.wants/satellite.service to /etc/systemd/system/satellite
.service.
Deleting SSH tunnel user...

HA cluster has been destroyed.  SSMS is now in stand-alone mode.
```

10 - حاجان ب HA لى طعت مت .

```

>>
>> ha_status
Last login: Wed Sep  2 11:11:39 UTC 2020
Error: cluster is not currently running on this node
Last login: Wed Sep  2 11:15:21 UTC 2020 on pts/0
HA is not enabled.
>>

```

11. ناونع مادختساب اهلي لوصول مت يتيلا (GUI) ةي موسرلا مدختسمل ا ةهجاو دع ت مل .
رفوتلا ةيلاع (GUI) ةي موسرلا مدختسمل ا ةهجاو قرتخت يساسا ا مدخالاب صاخلا

ادع ب اذام؟!

1. تاداهشل > نامألا يلى لقتنا ، SSM يلى ةيساسا ا ةرادالا لمع ةحاسم يلى لوخدلا لچس .
فيضم لىل ةئاشلا مسالا يلى (IP/hostname/FQDN ناونع) يساسا ا مدخال مدختساو .
2. مسالا مادختساب تاداهشلا ةئاشن ا ةداع نم دكأت ، فيضم لىل ةئاشلا مسالا شي دحت دع ب .
Cisco SSM عم ةي لىل ةئاشلا كئاباسح ةنمازم لالخ نم دي دجال ةئاشلا
3. كرتشملا مسالا مادختساب تاجتنملا ليچست ةداع ا ةلواحم لبق ةنمازمل كي لىل بچي .
ةهجال URL ناونع نيوكت ي ف دي دجال .
4. كرتشملا فيضملا مسالا ليچستلا ي ف تاجتنملا لىل ةنمازمل مدع ي دؤي دق .
دي دجال .

ةلص تاذا تامولعم

- م كحتلا ةدحو لىل د:
https://www.cisco.com/web/software/286285517/151968/Smart_Software_Manager_On-Prem_8_Console_Guide.pdf
- مدختسمل لىل د:

https://www.cisco.com/web/software/286285517/151968/Smart_Software_Manager_On-Prem_8_User_Guide.pdf

- تېبىتال لىل د:

https://www.cisco.com/web/software/286285517/152313/Smart_Software_Manager_On-Prem_8-202006_Installation_Guide.pdf

- [تادىن سىم لىل او يىن قىتال لىل - Cisco Systems](#)

ةمچرتل هذه ل و ح

ةلأل تاي نقتل ن م ة و مچ م ادخت ساب دن تسم ل ا اذ ه Cisco ت مچرت
م ل ا ل ا ا ن ا ع مچ ي ف ن ي م د خ ت س م ل ل م ع د ي و ت ح م م ي د ق ت ل ة ي ر ش ب ل و
ا م ك ة ق ي ق د ن و ك ت ن ل ة ل ا ة مچرت ل ض ف ا ن ا ة ظ ح ا ل م ي ج ر ي . ة ص ا خ ل ا م ه ت غ ل ب
Cisco ي ل خ ت . ف ر ت ح م مچرت م ا ه م د ق ي ي ت ل ا ة ي ف ا ر ت ح ا ل ا ة مچرت ل ا ع م ل ا ح ل ا و ه
ي ل ا م ا ة ا د ع و ج ر ل ا ب ي ص و ت و ت ا مچرت ل ا ه ذ ه ة ق د ن ع ا ه ت ي ل و ئ س م Cisco
Systems (ر ف و ت م ط ب ا ر ل ا) ي ل ص ا ل ا ي ز ي ل ج ن ا ل ا دن ت س م ل ا