

ةعيرسلا جماربلل ةنسحملل ةيقرتلل مهف - Catalyst 6500 VSS ةياعرلا

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ةمدقملل

Cisco Catalyst 6500 Series تالوحم ءل ءوطخب ءوطخ ISSU/eFSU ءارجل دننتملل اذه فصيل ءياعر SUP دادع ءف هاچتلل ءئانث رفوت عم Supervisor 6T مادختساب VSS ءضو ءف Switches.

ةيساسألل تابلطتملل

تابلطتملل

ةيلالل ءيضاوملاب ءفرعم ءيديل نوكت نأب Cisco ءصوت:

- Catalyst 6500 ل (VSS) SUP-ءياعرلل ءرهظلل لءوحتلل ماظن نءوكتو دادع ءب ءيساسأل ءفرعم 6500
- TFTP/USB/WebUI ءقيرط مادختساب روصلل ءسن

ةمدختسملل تانوكملل

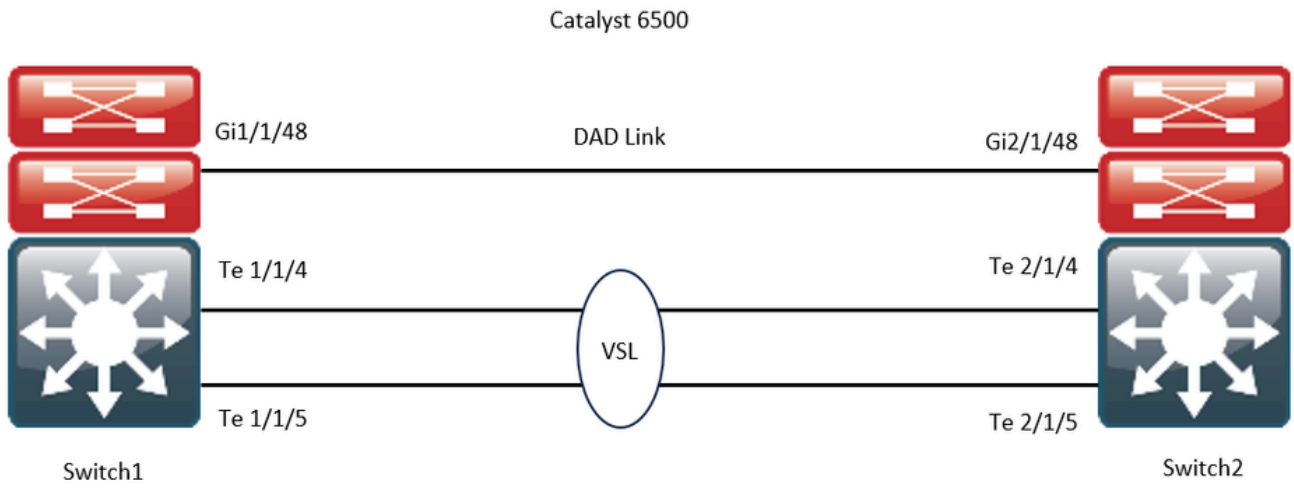
Cisco Catalyst 6500 ءرهظلل لءوحتلل ماظن ءلل دننتملل اذه ءف ءراولل تامولعملل دننتمل Virtual Switching System ءل ءامانرب ءل Cisco IOS® Software رادصلل 15.5(1)SY12

ةءاملل تانوكملل ءارءلل تارادصلل

ةصا ءئلعم ءئيبل ءف ءوچوملل ءزهألل نم دننتملل اذه ءف ءراولل تامولعملل ءاشن ءم تناك اذل. (ءيضا رتفا) ءوسمم نءوكتب دننتملل اذه ءف ءمدختسملل ءزهألل ءيمج تءب

رمأ يأل لم تحملا ريثأتلل كمهف نم دكأتف ، ليغشلتل ديقتك بش

ططخملا



قفاوتلا ةفوفصم نم ققحتلا

اذه Cisco دنتسم يلى عجرا 1. ةوطخلل <https://www.cisco.com/c/en/us/support/switches/catalyst-6500-series-switches/products-release-notes-list.html#anchor142>.

CLI ةادلأ ي ف رمالا لمعتسي تقق د. 2. ةوطخلل

```
<#root>
```

```
WS-C6504-E-1#
```

```
show issu comp-matrix stored
```

```
Number of Matrices in Table = 1
```

```
(1) Matrix for s2t54-ADVENTERPRISEK9-M(10) - s2t54-ADVENTERPRISEK9-M(10)
```

```
=====  
Start Flag (0xDEADBABE)
```

```
My Image ver: 15.5(1)SY13
```

```
Peer Version Compatibility
```

```
-----  
15.1(2)SY Incomp(1)  
15.1(2)SY1 Incomp(1)  
15.1(2)SY2 Incomp(1)  
15.5(1)SY Dynamic(0)  
15.5(1)SY1 Dynamic(0)  
15.1(2)SY12 Incomp(1)  
15.2(1)SY6 Incomp(1)  
15.4(1)SY4 Incomp(1)  
15.5(1)SY2 Dynamic(0)
```

```
15.5(1)SY3 Dynamic(0)
```

15.5(1)SY4 Dynamic(0)

15.5(1)SY5 Dynamic(0)

15.5(1)SY6 Dynamic(0)

15.5(1)SY7 Dynamic(0)

15.5(1)SY8 Dynamic(0)

15.5(1)SY9 Dynamic(0)

15.5(1)SY10 Dynamic(0)

15.5(1)SY11 Dynamic(0)

15.5(1)SY12 Dynamic(0)

15.5(1)SY13 Comp(3)

ةيقرتلا ءارجا

Cisco IOS جم انرب نم 15.5(1)SY13 رادصلال) ةديدل Cisco IOS ةروص دوجو نم دكأت 1. ةوطخلال Software bootdisk,slavebootdisk,ics-bootdisk,slave-ics-bootdisk. في

WS-C6504-E-1#dir bootdisk: | i SY13

8 -rw- 167430292 Apr 16 2024 22:55:58 +00:00 s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

WS-C6504-E-1#dir slavebootdisk: | i SY13

19 -rw- 167430292 Apr 16 2024 00:37:58 +00:00 s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

WS-C6504-E-1#dir ics-bootdisk: | i SY13

11 -rw- 167430292 Apr 16 2024 23:06:18 +00:00 s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

WS-C6504-E-1#dir slave-ics-bootdisk: | i SY13

5 -rw- 167430292 Apr 16 2024 23:20:18 +00:00 s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

ءارجا نيسحتلا ضكري نأ زهاج VSS لال نأ تققد in order to رمأ اذه تلمعتسا 2. ةوطخلال

<#root>

WS-C6504-E-1#show redundancy

Redundant System Information :

Available system uptime = 1 day, 4 hours, 41 minutes
Switchovers system experienced = 0
Standby failures = 1
Last switchover reason = none
Hardware Mode = Duplex

Configured Redundancy Mode = sso

Operating Redundancy Mode = sso

Maintenance Mode = Disabled

Communications = Up

Current Processor Information :

Active Location = slot 1/1
Current Software state =

ACTIVE >> Switch 1 Slot 1 is active

Uptime in current state = 1 day, 4 hours, 41 minutes

Image Version = Cisco IOS Software, s2t54 Software (s2t54-ADVENTERPRISEK9-M), Version

Technical Support: <http://www.cisco.com/techsupport>

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Compiled Tue 05-Sep-23 11:24 by mcpre

BOOT =

bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin

,12;

CONFIG_FILE =

BOOTLDR =

Configuration register = 0x2102

Peer Processor Information :

Standby Location = slot 2/1
Current Software state =

STANDBY HOT >> Switch 2 Slot 1 is standby

Uptime in current state = 19 hours, 43 minutes

Image Version = Cisco IOS Software, s2t54 Software (s2t54-ADVENTERPRISEK9-M), Version

Technical Support: <http://www.cisco.com/techsupport>

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Compiled Tue 05-Sep-23 11:24 by mcpre

BOOT =

bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin

,12;

CONFIG_FILE =

BOOTLDR =

Configuration register = 0x2102

<#root>

WS-C6504-E-1#show issu state detail

The system is configured to be upgraded in staggered mode.

4 supervisor nodes are found to be online.

Summary: the system will be upgraded in staggered mode.

Slot = 1/1

RP State = Active

ISSU State = Init

Boot Variable = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin,12;

Operating Mode =

SSO

ISSU Sub-State =

No Upgrade Operation in Progress

Starting Image = N/A

Target Image = N/A

Current Version =

bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin

Slot = 2/1

RP State = Standby

ISSU State = Init

Boot Variable = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin,12;

Operating Mode =

SSO

ISSU Sub-State =

No Upgrade Operation in Progress

Starting Image = N/A

Target Image = N/A

Current Version =

bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin

Slot = 1/2

RP State = Active-ICS

ISSU State = Init

Boot Variable = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin,12;

Operating Mode =

SSO

ISSU Sub-State =

No Upgrade Operation in Progress

Starting Image = N/A

Target Image = N/A

Current Version =

bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin

Slot = 2/2

RP State = Standby-ICS

ISSU State = Init

Boot Variable = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin,12;

Operating Mode =

sso

ISSU Sub-State =

No Upgrade Operation in Progress

Starting Image = N/A

Target Image = N/A

Current Version =

bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin

ة. لملع نيسحتل تادب issu loadversion in order to تلمعتسا 3. ةوطخل

VSS لكهك ةئيهتلاو، ةديدلجلا ةروصللا مادختساب هلمحت ةداعإو، VSS يطايتحال لكهلا لملحت ةداعإ متت، ةوطخل هذه يف نيوكت ةنمازم دنع ةوطخل هذه تلمتكا. ةديدلجلا ةروصللا ليغشت عم، (SSO) ةلحال وذل ليوحتلا راركت عضو يف يطايتحال، قئاقد عضو إلى ناوت ةدع ةديدلجلا ةروصللا لملحت قرغتسي دق. ةعجملا ةنمازما حاجن ةلاسرة طساوب حضوم وه امك، لكهلا، SSO عضو إلى لاقنتال VSS دادعتسال لكهله قرغتسي دق امك.

<#root>

WS-C6504-E-1#issu loadversion 1/1 bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin 2/1 slavebootdisk

System configuration has been modified. Save? [yes/no]: y

Building configuration...

[OK]

*Apr 17 00:43:14.195: %ISSU_PROCESS-SW1-3-LOADVERSION: Loadversion sequence will begin in 60 seconds. Er

*Apr 17 00:43:44.195: %ISSU_PROCESS-SW1-6-LOADVERSION_INFO: Resetting Standby shortly

*Apr 17 00:43:44.195: %ISSU_PROCESS-SW1-6-LOADVERSION_INFO: Resetting Standby ICS shortly

*Apr 17 00:43:44.199: %ISSU_PROCESS-SW2-STBY-6-SELF_RELOAD: slot 33 countdown to self-reload started, 3

*Apr 17 00:43:44.199: %ISSU_PROCESS-SW2-2-STBY-6-SELF_RELOAD: slot 34 countdown to self-reload started,

*Apr 17 00:44:29.195: %ISSU_PROCESS-SW1-6-LOADVERSION_INFO: Standby ICS has gone offline

*Apr 17 00:44:29.195: %ISSU_PROCESS-SW1-6-LOADVERSION_INFO: Standby has gone offline

*Apr 17 00:46:59.195: %ISSU_PROCESS-SW1-6-LOADVERSION_INFO: Standby has come online, wait for Standby I

*Apr 17 00:47:44.503: %ISSU_PROCESS-SW1-6-LOADVERSION_INFO: Standby ICS has come online

*Apr 17 00:49:15.363: %ISSU_PROCESS-SW1-6-LOADVERSION_INFO: Standby reached terminal state

*Apr 17 00:49:29.199: %ISSU_PROCESS-SW1-6-LOADVERSION_INFO: Standby ICS reached terminal state, wait for

*Apr 17 00:49:59.195: %ISSU_PROCESS-SW1-3-LOADVERSION: Loadversion has completed. Please issue the 'issu

*Apr 17 00:49:59.195: %ISSU_PROCESS-SW1-3-LOADVERSION: Loadversion has completed. Please issue the 'issu

جارجال show issu state detail في ةديج ةروض لى دادعتس الال ديهمتال ريغتم ريشي نأ بجي 4. ةوطخلال

<#root>

WS-C6504-E-1#

show issu state detail

The system is configured to be upgraded in in-tandem mode.
4 supervisor nodes are found to be online.
Summary: an in-tandem upgrade is in progress.

Slot = 1/1

RP State = Active

ISSU State = Load Version

Boot Variable = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin,12;bootdisk:s2t54-adventerprisek9-

Operating Mode = sso

ISSU Sub-State = Load Version Completed

Starting Image = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin

Target Image = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

Current Version = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin

Slot = 2/1

RP State = Standby

ISSU State =

Load Version

Boot Variable = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin,12;bootdisk:s2t54-adventerprisek9-

Operating Mode = sso

ISSU Sub-State = Load Version Completed

Starting Image = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin

Target Image = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

Current Version =

bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

>> Standby Chassis has been upgraded to latest code

Slot = 1/2

RP State = Active-ICS

ISSU State = Load Version

Boot Variable = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin,12;bootdisk:s2t54-adventerprisek9-

Operating Mode = sso

ISSU Sub-State = Load Version Completed

Starting Image = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin

Target Image = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

Current Version = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin

Slot = 2/2

RP State = Standby-ICS

ISSU State =

Load Version

Boot Variable = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin,12;bootdisk:s2t54-adventerprisek9-

Operating Mode = sso

ISSU Sub-State = Load Version Completed

Starting Image = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin

Target Image = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

Current Version =

bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin >> Standby Chassis has been upgraded to latest code

ةدوجومال طخال تاقاطب عيمج نوكتو SSO راركت ةلاح يف ةديجال ةروصلل حاجنل VSS دادعتسالال لكيه ليغشت دنع 5 ةوطخال ذخي. ليديت راجال issu running version رمأل لخدأف، رشابملاو يروفال ليغشتال عوضو يف VSS دادعتسالال لكيه يلغ طشنال لكيهال موقيو. ةديجال ةروصلال لغشم، ديجال طشنال لكيهال رود هتيقرت تمت يذل VSS يطايحالال لكيهال ةجالال ةلاح يف) ةميدقلال ةروصلال ليغشتو، SSO عوضو يف ديجال يطايحالال VSS لكيهال ةداعتسالال ليحمحالال ةداعاب اقباس حضوم وه امك، لكيهال نيوكت ةنمازم دنع ةوطخال هذه تلمتكا. (ةميدقلال ةروصلال ةداعتسالال وجمانربال ةيقرت ضاهجال ال ةعجمال ةنمازمال حاجن ةلاسرة طساوب

<#root>

WS-C6504-E-1#

issu runversion

This command will reload the Active unit. Proceed ? [confirm]y

%issu runversion initiated successfully

*Apr 17 00:54:42.707: %ISSU_PROCESS-SW1-2-STBY-6-SELF_RELOAD: slot 18 countdown to self-reload started,

*Apr 17 00:54:44.715: %RF-SW1-5-RF_RELOAD: Self reload. Reason: Admin ISSU runversion CLI

*Apr 17 00:54:46.719: %SYS-SW1-5-SWITCHOVER: Switchover requested by Exec. Reason: Admin ISSU runversion

Initializing as Virtual Switch STANDBY processor

*Apr 17 00:57:14.023: %VSLP-5-VSL_UP: Ready for control traffic

*Apr 17 00:57:24.919: %PFREDUN-SW1-STBY-6-STANDBY: Initializing for SSO mode in Default Domain

ليوحتال ءارجا درجمب ةلاحال نم ققحت 6 ةوطخال.

<#root>

WS-C6504-E-1#show issu state detail

The system is configured to be upgraded in in-tandem mode.

4 supervisor nodes are found to be online.

Summary: an in-tandem upgrade is in progress.

Slot = 2/1

RP State = Active

ISSU State =

Run Version

```
Boot Variable = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin,12;bootdisk:s2t54-adventerprisek9-
  Operating Mode = sso
  ISSU Sub-State = Run Version after Switchover
  Starting Image = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin
  Target Image = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin
  Current Version =
```

```
bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin >> Switch 2 became the active after switchover
```

```
Slot = 1/1
RP State = Standby
ISSU State = Run Version
Boot Variable = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin,12;
  Operating Mode = sso
  ISSU Sub-State = Run Version in Progress
  Starting Image = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin
  Target Image = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin
  Current Version = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin
```

```
Slot = 2/2
RP State = Active-ICS
ISSU State =
```

Run Version

```
Boot Variable = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin,12;bootdisk:s2t54-adventerprisek9-
  Operating Mode = sso
  ISSU Sub-State = Run Version in Progress
  Starting Image = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin
  Target Image = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin
  Current Version =
```

```
bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin
```

```
Slot = 1/2
RP State = Standby-ICS
ISSU State = Run Version
Boot Variable = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin,12;
  Operating Mode = sso
  ISSU Sub-State = Run Version in Progress
  Starting Image = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin
  Target Image = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin
  Current Version = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin
```

<#root>

```
WS-C6504-E-1#sh redundancy
Redundant System Information :
```

```
-----
  Available system uptime = 44 minutes
  Switchovers system experienced = 1
  Standby failures = 0
  Last switchover reason = user forced
```

Hardware Mode = Duplex
Configured Redundancy Mode = sso
Operating Redundancy Mode = sso
Maintenance Mode = Disabled
Communications = Up
Current Processor Information :

Active Location = slot 2/1
Current Software state =

ACTIVE

Uptime in current state = 7 minutes
Image Version = Cisco IOS Software, s2t54 Software (s2t54-ADVENTERPRISEK9-M), Version 15.5(2)S
Technical Support: <http://www.cisco.com/techsupport>
Copyright (c) 1986-2024 by Cisco Systems, Inc.
Compiled Tue 19-Mar-24 06:59 by mcpre
BOOT =

bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

,12;bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin,12
CONFIG_FILE =
BOOTLDR =
Configuration register = 0x2102

Peer Processor Information :

Standby Location = slot 1/1
Current Software state =

STANDBY HOT

Uptime in current state = 2 minutes
Image Version = Cisco IOS Software, s2t54 Software (s2t54-ADVENTERPRISEK9-M), Version 15.5(2)S
Technical Support: <http://www.cisco.com/techsupport>
Copyright (c) 1986-2023 by Cisco Systems, Inc.
Compiled Tue 05-Sep-23 11:24 by mcpre
BOOT =

bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12

.bin,12;
CONFIG_FILE =
BOOTLDR =
Configuration register = 0x2102

ل كيهال نإف ،تقؤم لةي حالص تهتنا اذا هنأل يرورض اذهو .عجارتل تقؤم فاقيلإ issu acceptedVersion رمأل مدختسأ 7. ةوطخلال
قباسل اجمانربال رادصلإ ل دتريو لي محتل لدي عي هتي قرت تم تي ذل.

<#root>

WS-C6504-E-1# show issu rollback-timer

Rollback Process State = In progress

Configured Rollback Time = 00:45:00
Automatic Rollback Time = 00:37:28

<#root>

```
WS-C6504-E-1# issu acceptversion
% Rollback timer stopped. Please issue the commitversion command.
View the rollback timer to see that the rollback process has been stopped:
WS-C6504-E-1# show issu rollback-timer
```

Rollback Process State = Not in progress >> Rollback Process is stopped after the acceptversion

أرجاء عدل **issu running version fex all** مأل مدختسأ، دادعالا يف (FEX) ةينيبال تالصولال عسوم مادختسا لاج يف 8. ةوطخال
6T فشرشلال نم ةمزح ةيجمررب ديدجال نم تبلج ةروصلال FEX لال ريثي. (6800ia) FEX لعل اهتيقرو ةروصلال ليزنت
اهاضاعأ نم ةروصلال جارختسا نع لوؤسم ريدملا نإف، FEX تاسدكم مدختست تنك اذا. (15.5(1)SY13) قالطا ةيجمررب

(ISSU) نيسحت ةيجمررب in-Service لال تمتأو لكيه دادعتسا | VSS لال نسحي نأ رمأ مازتلا **issu** لال، ترشاب in order to تلخد 9. ةوطخال
VSS لكيه هتئيهتو، ةديدجال ةروصلال مادختساب هليمحت ةداعاو، VSS يطايتحال لكيه لال ديهمت ةداعا متي. لسلس
لكيه لال نيوكت ةنمازم دنع ةلماك ةوطخال هذه نوكت. ةديدجال ةروصلال ليغشت لعل لمعي امم، SSO راركت ةلاج يف يطايتحال
يف ديدجال VSS دادعتسالال عضو يف ةدوجومال رطسالال عيج نوكتو، ةعجملا ةنمازملل ةحجانلا ةلسالال ةطساوب حضوم وه امك
دادعتسالال عضو يف دادعتسالال عضو.

<#root>

```
WS-C6504-E-1# issu commitversion
```

```
%issu commitversion initiated successfully, upgrade sequence will continue shortly
```

```
WS-C6504-E-1#
```

```
*Apr 17 01:02:57.607: %ISSU_PROCESS-SW2-3-COMMITVERSION: issu commitversion; Commitversion sequence will begin in 60 seconds. Enter 'issu
*Apr 17 01:03:27.607: %ISSU_PROCESS-SW2-6-COMMITVERSION_INFO: Resetting Standby shortly
*Apr 17 01:03:27.607: %ISSU_PROCESS-SW2-6-COMMITVERSION_INFO: Resetting Standby ICS shortly
*Apr 17 01:03:27.611: %ISSU_PROCESS-SW1-2_STBY-6-SELF_RELOAD: slot 18 countdown to self-reload started, 30 second delay
*Apr 17 01:03:27.611: %ISSU_PROCESS-SW1_STBY-6-SELF_RELOAD: slot 17 countdown to self-reload started, 30 second delay
*Apr 17 01:04:12.607: %ISSU_PROCESS-SW2-6-COMMITVERSION_INFO: Standby ICS has gone offline
*Apr 17 01:04:12.607: %ISSU_PROCESS-SW2-6-COMMITVERSION_INFO: Standby has gone offline
*Apr 17 01:06:42.607: %ISSU_PROCESS-SW2-6-COMMITVERSION_INFO: Standby has come online, wait for Standby ICS
*Apr 17 01:07:28.315: %ISSU_PROCESS-SW2-6-COMMITVERSION_INFO: Standby ICS has come online
*Apr 17 01:08:59.623: %ISSU_PROCESS-SW2-6-COMMITVERSION_INFO: Standby has reached terminal state
*Apr 17 01:09:12.699: %ISSU_PROCESS-SW2-6-COMMITVERSION_INFO: Standby ICS reached terminal state
*Apr 17 01:09:12.751: %ISSU_PROCESS-SW2-6-COMMITVERSION_INFO: Upgrade has completed, updating boot configuration
Building configuration...
[OK]
```

ةوقررتلا لامك| مت اذا امم ققحت .10 ةوطخلال

<#root>

WS-C6504-E-1#

sh redundancy

Redundant System Information :

Available system uptime = 55 minutes
Switchovers system experienced = 1
Standby failures = 1
Last switchover reason = user forced
Hardware Mode = Duplex
Configured Redundancy Mode = sso
Operating Redundancy Mode = sso
Maintenance Mode = Disabled
Communications = Up

Current Processor Information :

Active Location = slot 2/1
Current Software state = ACTIVE
Uptime in current state = 17 minutes
Image Version = Cisco IOS Software, s2t54 Software (s2t54-ADVENTERPRISEK9-M), Version 15.5(1)S
Technical Support: <http://www.cisco.com/techsupport>
Copyright (c) 1986-2024 by Cisco Systems, Inc.
Compiled Tue 19-Mar-24 06:59 by mcpre
BOOT =

bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13

.bin,12;bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin,12

CONFIG_FILE =

BOOTLDR =

Configuration register = 0x2102

Peer Processor Information :

Standby Location = slot 1/1
Current Software state = STANDBY HOT
Uptime in current state = 3 minutes
Image Version = Cisco IOS Software, s2t54 Software (s2t54-ADVENTERPRISEK9-M), Version 15.5(1)S
Technical Support: <http://www.cisco.com/techsupport>
Copyright (c) 1986-2024 by Cisco Systems, Inc.
Compiled Tue 19-Mar-24 06:59 by mcpre
BOOT =

bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

,12;bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin,12

>> Standby has been upgraded

CONFIG_FILE =

BOOTLDR =

Configuration register = 0x2102

<#root>

WS-C6504-E-1#

show module switch all

Switch Number: 1 Role: Virtual Switch Standby

```
-----  
Mod Ports Card Type Model Serial No.  
-----  
 1 5 Supervisor Engine 2T 10GE w/ CTS (Hot) VS-SUP2T-10G xxxx  
 2 5 Supervisor Engine 2T 10GE w/ CTS (CSSO) VS-SUP2T-10G xxxx  
 3 48 CEF720 48 port 10/100/1000mb Ethernet WS-X6748-GE-TX xxxx  
Mod MAC addresses Hw Fw Sw Status  
-----  
 1 xxxx. xxxx. xxxx to xxxx. xxxx. xxxx 1.5 12.2(50r)SYS 15.5(1)SY13 Ok  
 2 xxxx. xxxx. xxxx to xxxx. xxxx. xxxx 1.3 12.2(50r)SYS 15.5(1)SY13 Ok  
 3 xxxx. xxxx. xxxx to xxxx. xxxx. xxxx 3.2 12.2(18r)S1 15.5(1)SY13 Ok  
Mod Sub-Module Model Serial Hw Status  
-----  
 1 Policy Feature Card 4 VS-F6K-PFC4 xxxx 1.2 Ok  
 1 CPU Daughterboard VS-F6K-MSFC5 xxxx 2.0 Ok  
 2 Policy Feature Card 4 VS-F6K-PFC4 xxxx 1.2 Ok  
 2 CPU Daughterboard VS-F6K-MSFC5 xxxx 1.4 Ok  
 3 Centralized Forwarding Card WS-F6700-CFC xxxx 4.1 Ok  
Mod Online Diag Status  
-----  
 1 Pass  
 2 Pass  
 3 Pass
```

Switch Number: 2 Role: Virtual Switch Active

```
-----  
Mod Ports Card Type Model Serial No.  
-----  
 1 5 Supervisor Engine 2T 10GE w/ CTS (Acti VS-SUP2T-10G xxxx  
 2 5 Supervisor Engine 2T 10GE w/ CTS (CSSO) VS-SUP2T-10G xxxx  
 3 48 CEF720 48 port 10/100/1000mb Ethernet WS-X6748-GE-TX xxxx  
Mod MAC addresses Hw Fw Sw Status  
-----  
 1 xxxx. xxxx. xxxx to xxxx. xxxx. xxxx 1.5 12.2(50r)SYS 15.5(1)SY13 Ok  
 2 xxxx. xxxx. xxxx to xxxx. xxxx. xxxx 2.1 12.2(50r)SYS 15.5(1)SY13 Ok  
 3 xxxx. xxxx. xxxx to xxxx. xxxx. xxxx 3.6 12.2(18r)S1 15.5(1)SY13 Ok  
Mod Sub-Module Model Serial Hw Status  
-----  
 1 Policy Feature Card 4 VS-F6K-PFC4 xxxx 1.2 Ok  
 1 CPU Daughterboard VS-F6K-MSFC5 xxxx 2.0 Ok  
 2 Policy Feature Card 4 VS-F6K-PFC4 xxxx 3.0 Ok  
 2 CPU Daughterboard VS-F6K-MSFC5 xxxx 3.1 Ok  
 3 Centralized Forwarding Card WS-F6700-CFC xxxx 4.1 Ok  
Mod Online Diag Status  
-----  
 1 Pass  
 2 Pass  
 3 Pass
```

<#root>

WS-C6504-E-1#

sh issu state detail

The system is configured to be upgraded in in-tandem mode.

4 supervisor nodes are found to be online.

Summary: the system will be upgraded in in-tandem mode.

Slot = 2/1

RP State = Active

ISSU State = Init

Boot Variable = bootdisk:

s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

,12;bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin,12

Operating Mode = sso

ISSU Sub-State =

No Upgrade Operation in Progress

Starting Image = N/A

Target Image = N/A

Current Version = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

Slot = 1/1

RP State = Standby

ISSU State = Init

Boot Variable = bootdisk:

s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

,12;bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin,12

Operating Mode = sso

ISSU Sub-State =

No Upgrade Operation in Progress

Starting Image = N/A

Target Image = N/A

Current Version = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

Slot = 2/2

RP State = Active-ICS

ISSU State = Init

Boot Variable = bootdisk:

s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

,12;bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin,12

Operating Mode = sso

ISSU Sub-State =

No Upgrade Operation in Progress

Starting Image = N/A

Target Image = N/A

Current Version = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

Slot = 1/2

RP State = Standby-ICS

ISSU State = Init

Boot Variable = bootdisk:

s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

,12;bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY12.bin,12

Operating Mode = sso

ISSU Sub-State =

No Upgrade Operation in Progress

Starting Image = N/A
Target Image = N/A
Current Version = bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

اهالصالوا عاطخألا فاشكسأ ةلا ح تاسارد

ابئإ عطاقتم VSL لاصتا نوكة امدنع جردتم بولسأ يف نسح ي. لوالا ويراني سلا

<#root>

WS-C6504-E-1#

issu loadversion 1/1 bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin 2/1 slavebootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

WS-C6504-E-1#*Apr 16 23:31:12.528: SW1: Quad-sup ISSU Staggered mode VSL requirement(Parallel/Cross VSL)

ةعباتم لل كترتم VSL لاصتا كيدل سيل هنأل ةافوتسم ريغ تابلطتم لاه يف ركذت أطخ ةلاس ريرى قلتت

بلقتم ل ماظن ل ليطعت قي رط نع ةيقرتلا عارج كنكم ي.

<#root>

WS-C6504-E-1(conf t)#

no issu upgrade staggered

WS-C6504-E-1#issu loadversion 1/1 bootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin 2/1 slavebootdisk:s2t54-adventerprisek9-mz.SPA.155-1.SY13.bin

System configuration has been modified. Save? [yes/no]: y

Building configuration...

[OK]

*Apr 17 00:43:14.195: %ISSU_PROCESS-SW1-3-LOADVERSION: Loadversion sequence will begin in 60 seconds. Enter 'issu abortversion' to cancel.

*Apr 17 00:43:44.195: %ISSU_PROCESS-SW1-6-LOADVERSION_INFO: Resetting Standby shortly

*Apr 17 00:43:44.195: %ISSU_PROCESS-SW1-6-LOADVERSION_INFO: Resetting Standby ICS shortly

يبتارتلا لباقم يف فدارتلا

نود ادحاو الكيه ذخأي هنإف، كلذ عمو، انكم ارمأ (SUP) فدارتلا وأ جودزما فارشإلاب صاخلا VSS لئغشتلا ماظن شيدحت ربت عي
اهللمكأب فرشم ل لمع ديهتم ةرتف ءانثأ تنرتنإلاب لاصتا

فرشم ل نأ انمض ين عي اذهو. طلتم ل عضولا، Sup2T ل يضارتفال عضولا يف ةرم لك يف دحاو فرشم لي ماحت ةداع م تي
ةعرسب اهلي ماحت ةداع م تي رطسألا نأل ارظنو. لي ماحتلا ةداع ل تاي م ستلا دادع دنع ادوجوم نوكة رادصإلا اذو مدخت سي يذلا
ك. لذل ةجيتن لك يهال يف طو ح لم لك شب لقي لمعال نع فقوتلا تقو نإف، فرشم ل نم ريثكب ربكأ

رمأل مزل اذا ريثكب عرسأ ةدوع ةرتف رفوي امم ،ميذقلل جم انربال مدختسي فرشم رفوت ىل ري شي ،كلذ ىل ةفاضالاب .ببترت ةلاح يف يضارتفالاب عضولا نوكي ،Sup2T ل ةبسنلاب

رمأل اذ ماذختساب جردتمال ةيقرتلابلولسأ ليطعت نكمي

ةميذق ةروص ماذختساب هطبض مت طشن زارط .2 وي رانيسال

ISSU Run رادصل ىلع ريثأتلل كنكمي ،ساسأل يف ،انه

تقؤملا عجي ،ةعباتملا ىلع كتردق مدع ةلاح يف .نكمم عاجرتسا تقؤم لعفالاب دجوي ،ISSU ليغشت رادصل ةبسنلاب مدقأل ةروصلا ىل ائاقولت

كيلع بجي ،يلالابو .لوبقم رادصلب تمق كنأل ارطن هيچوتلا ةداع تقؤم ليطعت مت ،ISSU Commit رادصلب قلعني اميف مدقأل ةروصلا ىل ةدوعلل رمأل اذ ذيفنت

WS-C6504-E-1# issu abortversion

دادعتسال رهظي ال رشنلا ةدام ليذبت .3 وي رانيسال

ةقيرط ماذختساب ةديذجال ةروصلا ىل زاهجال ةيقرتو يلعف لكشب (VSL) يرهظلا لولملا طابترا لاصتا عطقب مق USB/TFTP.

دادعتسا تلکش عيظتسي وه كلذل VSS ل ىل ةأال تلخدأو ةوطخ VSL ل تطبر .زاهجال ليغشت فاقب مق ،ةيقرتلا دعب

مدقأل رادصلال يف رشنلا ةدام ةيقرتب صاخال ICS SUP لظي .4 وي رانيسال

ريثأتلل ةظحالم نكمي ال شيح دادعتسالل لكيه وأ يطايتح لكيه يف هدحو (SUP) ةعرفتملا ةرجشلا لوكوتورب ليصوتب مق ديج لكشب لمعي طشنلا نأل ارطن

USB/TFTP ةقيرط ماذختساب ةديذجال ةروص ىل زاهجال ةيقرت

لخاد دادعتسالل عضو ىل ىرخأ ةرم دوعت مت ةروصلا ةيقرت مت ىتح ةحتفال س فن ىل هبلجو هليغشت فاقب مق مت .ثدحأ ةروص ماذختساب (ICS) لكيهلا

ةمچرتل هذه ل و ح

ةلأل تاي نقتل ن م ة و مچ م ادخت ساب دن تسمل اذ ه Cisco ت مچرت
ملاعلاء ان ا عي مچ ي ف ن ي م دخت سمل ل معد ي و تح م مي دقت ل ة ي رش ب ل و
امك ة ق ي قد ن و ك ت ن ل ة ي ل ة مچرت ل ض ف ا ن ا ة ظ حال م ي ج ر ي . ة ص ا خ ل 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 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 (رف و ت م ط بار ل ا) ي ل ص ا ل ا ي ز ي ل ج ن ا ل ا دن تسمل ا