

Catalyst Center Migration 2.3.7.x to 3.X

CISCO Live !

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Leader Product Manager

Session ID: BRKOPS-2566

Cisco Webex App

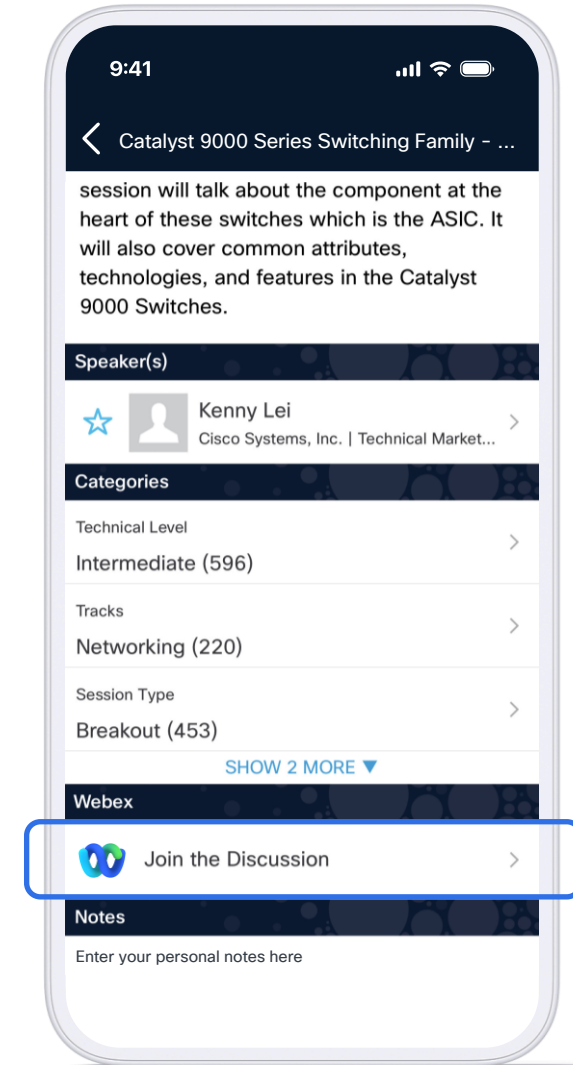
Questions?

Use Cisco Webex App to chat with the speaker after the session

How

- 1 Find this session in the Cisco Live Mobile App
- 2 Click “Join the Discussion”
- 3 Install the Webex App or go directly to the Webex space
- 4 Enter messages/questions in the Webex space

Webex spaces will be moderated by the speaker until 14 November 2025.



<https://ciscolive.ciscoevents.com/ciscolivebot/#BRKOPS-2566>

Agenda

- 01 Introduction
- 02 What's new in 3.X
- 03 Under the hood
- 04 Preparing for upgrade
- 05 Upgrade Types
- 06 In place appliance upgrade
- 07 Upgrade physical to virtual

Introduction and Session Overview

Session overview



Highlight some new feature and capabilities in 3.X release



Understand the different upgrade processes



Understand why the upgrade process is different



Review how to prepare for the upgrade



Show how the upgrade works on same appliance and from physical to virtual

About Sh.ai



20+ years of industry experience

- Catalyst Center Product Manager/TME Leader
- MBA+MSSE
- Previously, Director of IT @SJSU
- Lectured Networking @SJSU

Fun Fact: Failed Comedian

What's New in 3.1 Release

Key New Features in Catalyst Center 3.1

- Azure Virtual Formfactor
- Site-Based RBAC
- Rule Based Compliance (RBC)
- Energy Management Dashboard
- FIPS-140-3 Certification
- Thousand Eyes Integration 2.0
- Campus Automation Phase2
- Event Analytics Phase2

3.X Releases Numbering Scheme

A | Major

Significant market value

Required when there is a break in backward compatibility of published API; significant regressions or changes in semantics or workflow

▮New market value; anchor point for long-lived release

B | Minor

Required when: Extended update times, or significant jump points in platform which requires application updates (i.e., platform revisions)

Permitted only with seamless upgrade, preserve backward compatibility, no regression in functionality, no regression in telemetry, etc.

▮Value: Bug-fixes and new device support

C | Patch

Permitted for the correction of errors or omissions only, seamless installation with full roll-back, no new functionality or changes in semantics or workflows

What's New Under The Hood

What's new under the hood of 3.X release

- New Linux
- New File System
- NFS Backup Support
- Parallel Install
- 2.3.x = Ubuntu 18.04.6 LTS
 - Kernel: 5.4.0-139-generic
 - Kubernetes: 1.18.15-cisco
 - File System
 - ext4
- 3.1.x = Ubuntu 22.04.5 LTS
 - Kernel: 5.15.0-72-generic
 - Kubernetes: 1.29.10-cisco
 - File Systems
 - xfs



Upgrade Types

Why is this upgrade different

As is the case with many software platforms, upgrades within the same release train primarily involve updating application-level components. In contrast, moving between major release trains is a more complex undertaking.

Major releases typically introduce substantial architectural changes designed to expand the system's capabilities, boost performance, and meet new security requirements. These enhancements often require updates to core system components, making the upgrade process more involved.

Possible Upgrade Paths



Same appliance (DN2 and DN3) in place upgrade



From Appliance A to Appliance B



From Medium Appliance to Virtual Appliance



Virtual Appliance to Virtual Appliance

Upgrade Methods



Same appliance (DN2 and DN3) in place update using network upgrade package



From Appliance A (2.3.7) to Appliance B (3.1.X) – Appliance B on 3.1X will connect to Appliance A 2.3.7 and grab the backup, convert it and restore (IP change)



From Medium Appliance to Virtual Appliance (AWS/ESXi/Azure)

Backup
Run conversion script
Restore



Virtual Appliance to Virtual Appliance

Backup
Restore

Easier B'n'R

In 2.X release
B'N'R Had to be
to identical
versions

With 3.x with
can convert N-2
backups into 3.X
format on the fly

In-Place upgrade for DN2 and DN3

**This is for in place upgrade,
meaning performing the
upgrade on the same
appliance.**

In place Upgrade steps

Install package
– none
disruptive

Pre-Check –
none disruptive

Backup – none
disruptive

Reimage –
**SERVICE
DISRUPTION**

Restore Backup
– **SERVICE
DISRUPTION**

Post-Check –
system is
backup

How To Prepare For Upgrade For DN2 and DN3

Basic Requirements for 3.1.5

Hardware models supported:

- DN2-HW-APL
- DN2-HW-APL-L
- DN2-HW-APL-XL
- DN3-HW-APL
- DN3-HW-APL-L
- DN3-HW-APL-XL

Software versions supported for upgrade:

- 2.3.77-70047
- 2.3.77-70047.10
- 2.3.7.9-70301
- 2.3.7.10-70301.10
- 2.3.7.10-70209

All virtual form factors are supported (Azure**, AWS*, ESXi)

Last release train supported on DN1 is 2.3.7.X

Question: But what if I really really really want to install 3.x on my DN1 appliance?

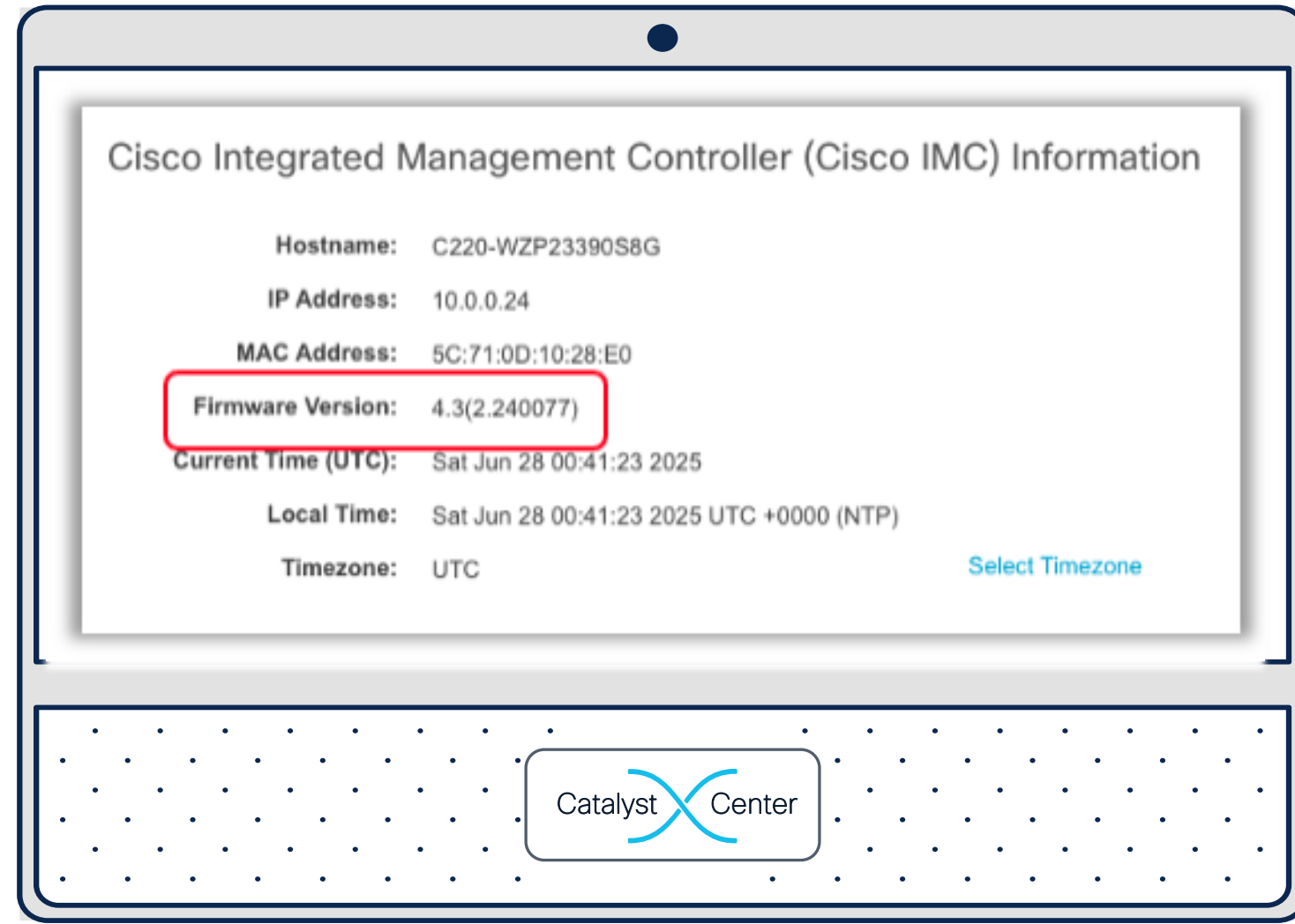
Question: But what if I really really really want to install 3.x on my DN1 appliance?

Answer is still NO 😊

Verify CIMC version and settings

- Verify Catalyst Center has connectivity to the CIMC interface.
- Settings > System Health
- Log into CIMC and verify firmware version is on **4.1** or greater from the Summary page

Update CIMC if necessary:
<https://www.youtube.com/watch?v=PBXdlyd--yg>



Verify CIMC settings

Verify Redfish is enabled

Click Admin > Communication Services



Cisco Integrated Management Controller

... / Communication Services / Communications Services

Communications ServicesSNMPMail Alert

HTTP Properties

HTTPS Enabled: ☒ Session Timeout(seconds): 1800

HTTP Enabled: ☒ Max Sessions: 4

Redirect HTTP to HTTPS Enabled: ☒ Active Sessions: 1

HTTP Port: 80

HTTPS Port: 443

SSH Properties

SSH Enabled: ☒ Max Sessions: 4

SSH Port: 22

SSH Timeout(seconds): 10800

Active Sessions: 0

XML API Properties

XML API Enabled: ☒ Max Sessions: 4

Active Sessions: 0

Redfish Properties

Redfish Enabled: ☒ Max Sessions: 4

Active Sessions: 0

IPMI over LAN Properties

Catalyst X Center

Verify CIMC setting virtual drive naming convention

Verify Virtual Drive Names

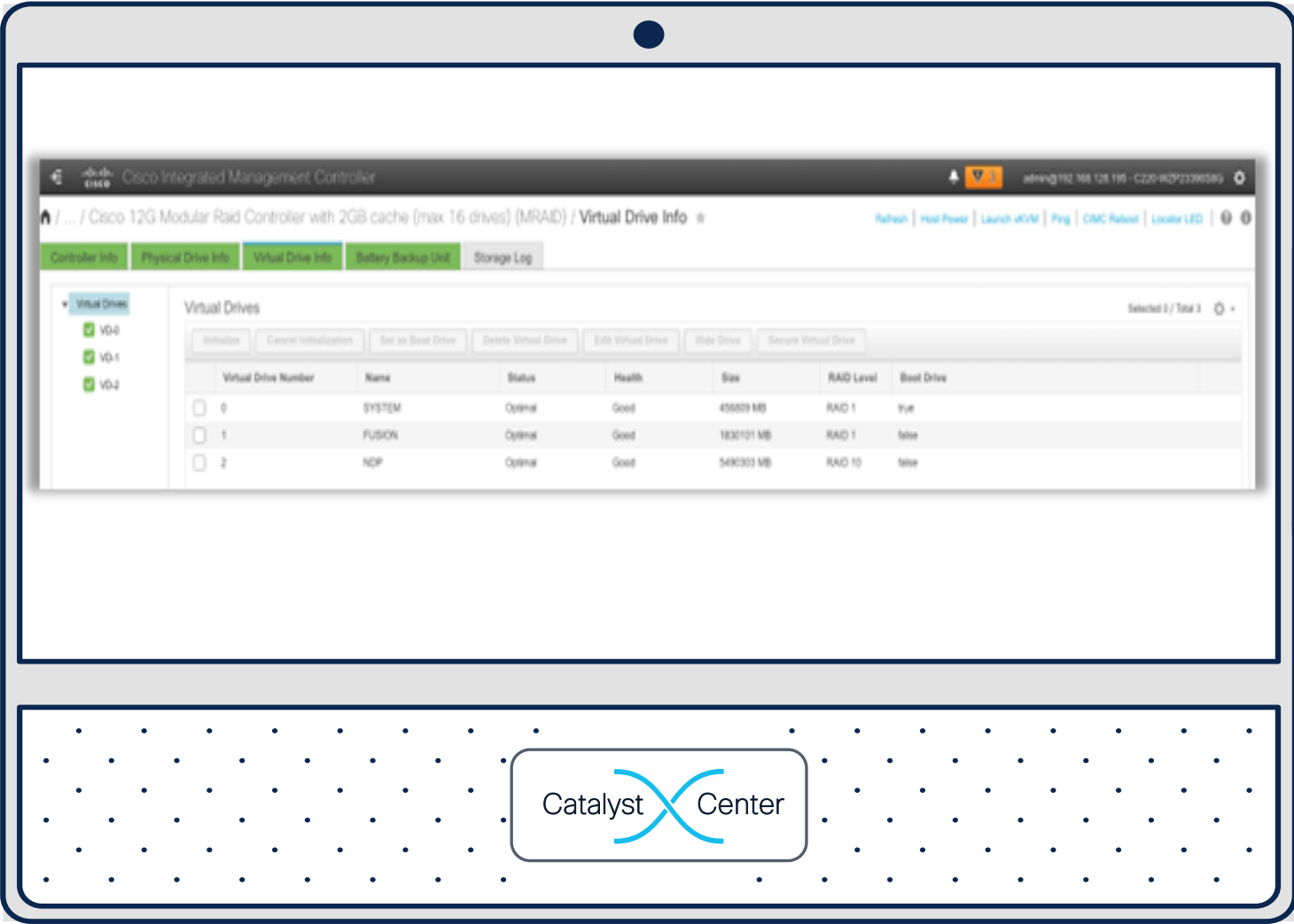
Navigate to Storage > Cisco 12G Modular RAID Controller
•Click Virtual Drives and verify Virtual Drive Names and Boot Drives are exactly as shown below:

DN2

Virtual Drive Number	Name	Boot Drive
0	SYSTEM	True
1	FUSION	False
2	NDP	False

DN3

Virtual Drive Number	Name	Boot Drive
0	BOOT	True
1	SHARED	False
2	ANALYTICS	False



Getting started with the upgrade

Appliance Status

Before we start down the process pay attention to one of these icons in the upper right corner of the slide

Appliance Status: 

Appliance Status: 

Appliance Status: 

Note: If your appliance status goes sideways you should probably call TAC

Download 3.1.5 Prep Release (upgrade wizard)

Appliance Status:

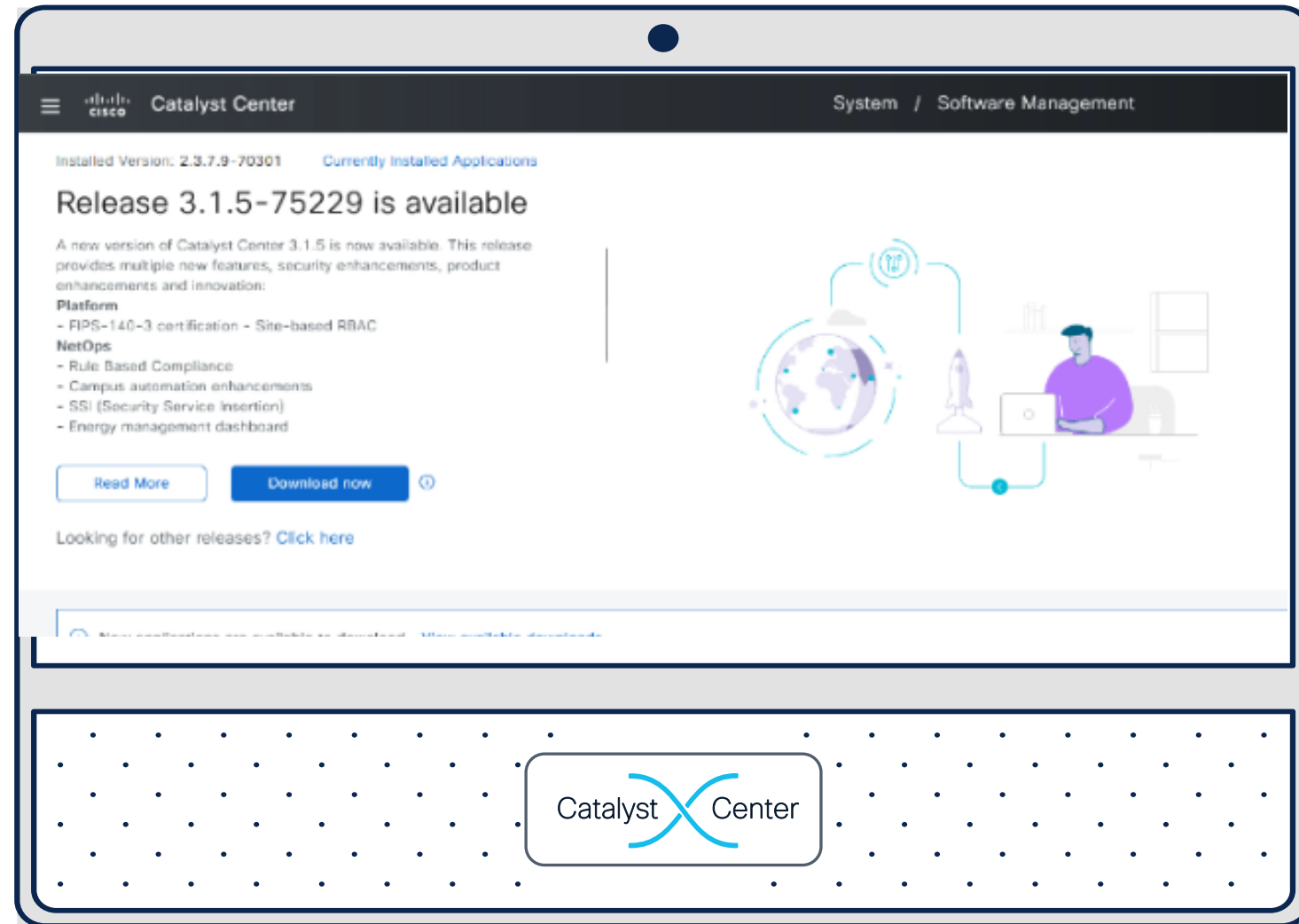


The upgrade process installs an application which automates multiple steps in the upgrade process.

This upgrade application **must** be installed and run

Note: Installing and running this application will not initiate service disruption for Catalyst Center until the **cluster migration step**

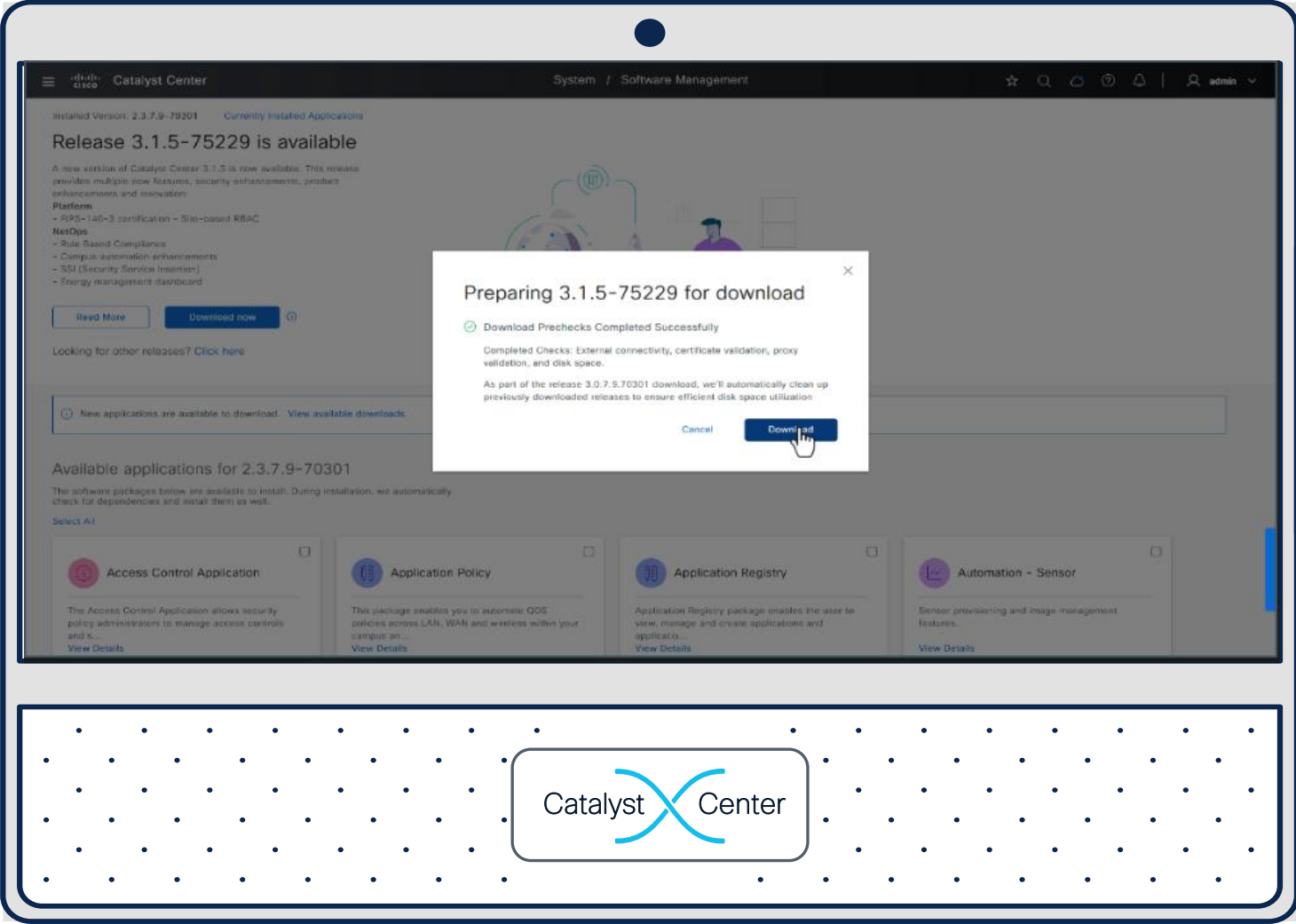
New software available notice in product



Download 3.1.5 Prep Release (upgrade wizard)

Click Download

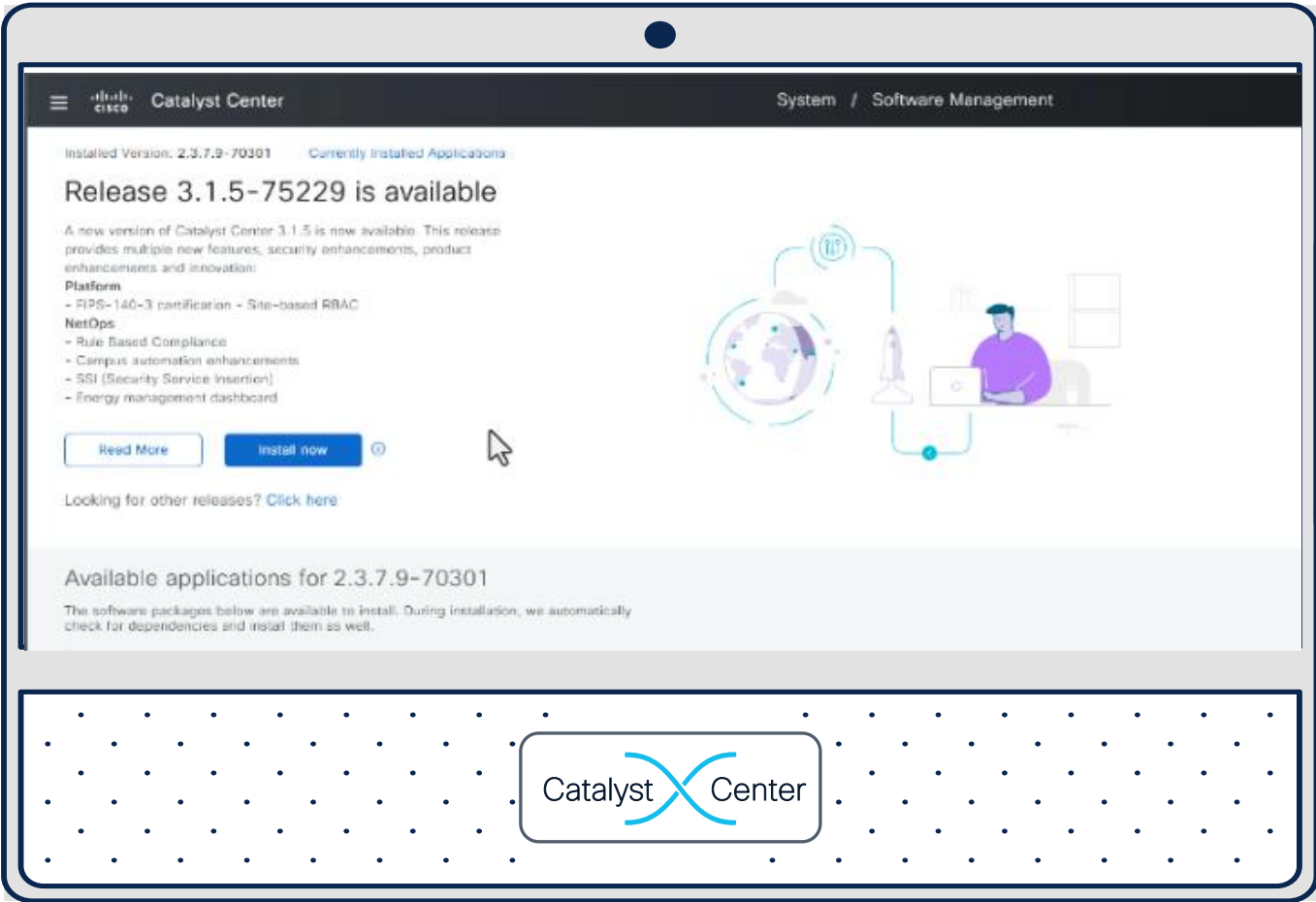
Note: Installing and running this application will not initiate service disruption for Catalyst Center until the **cluster migration** step



Install 3.x Prep Release (upgrade wizard)

Click Install Now

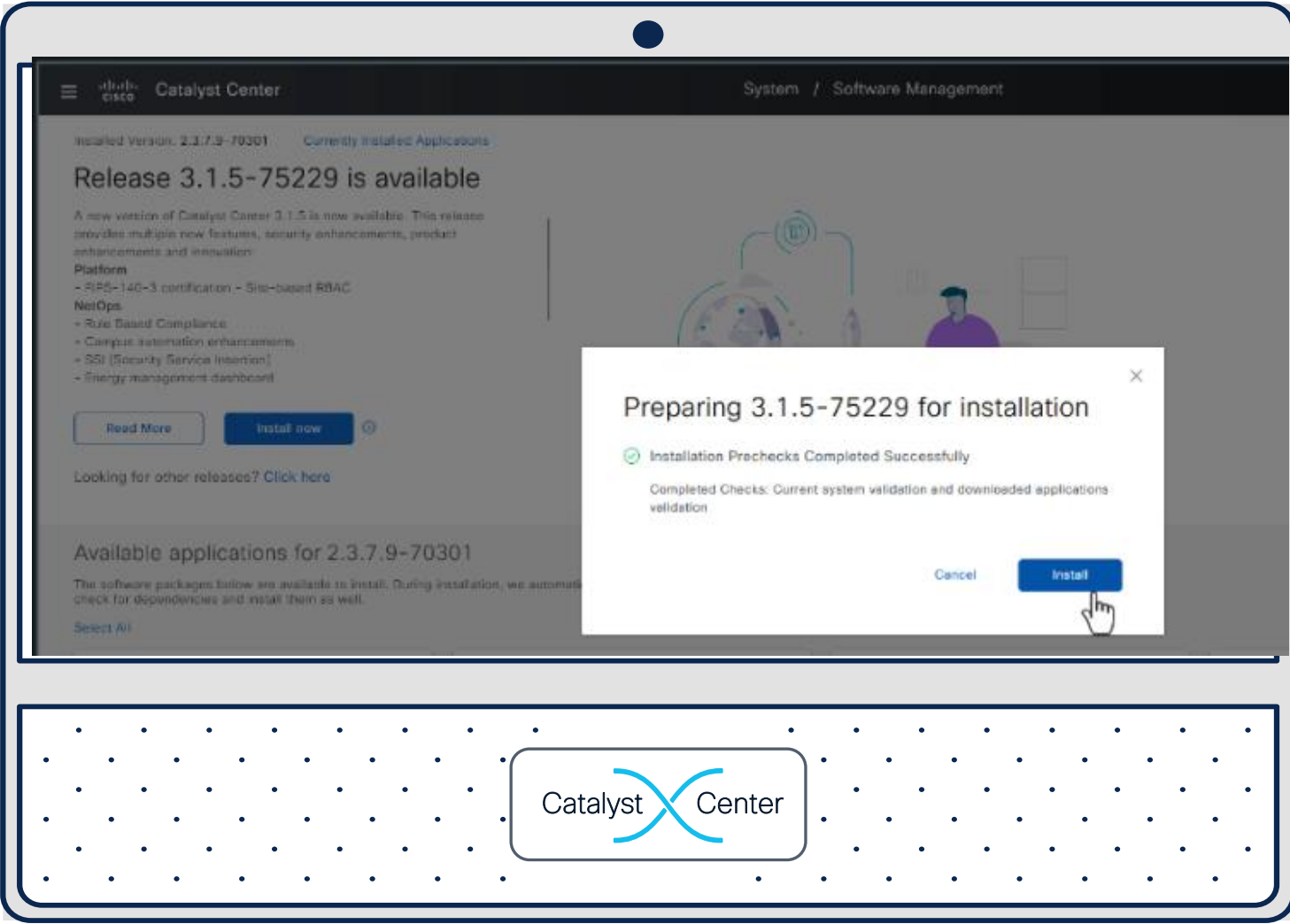
Note: Installing and running this application will not initiate service disruption for Catalyst Center until the **cluster migration step**



Install 3.1.5 Prep Release (upgrade wizard)

Click Install

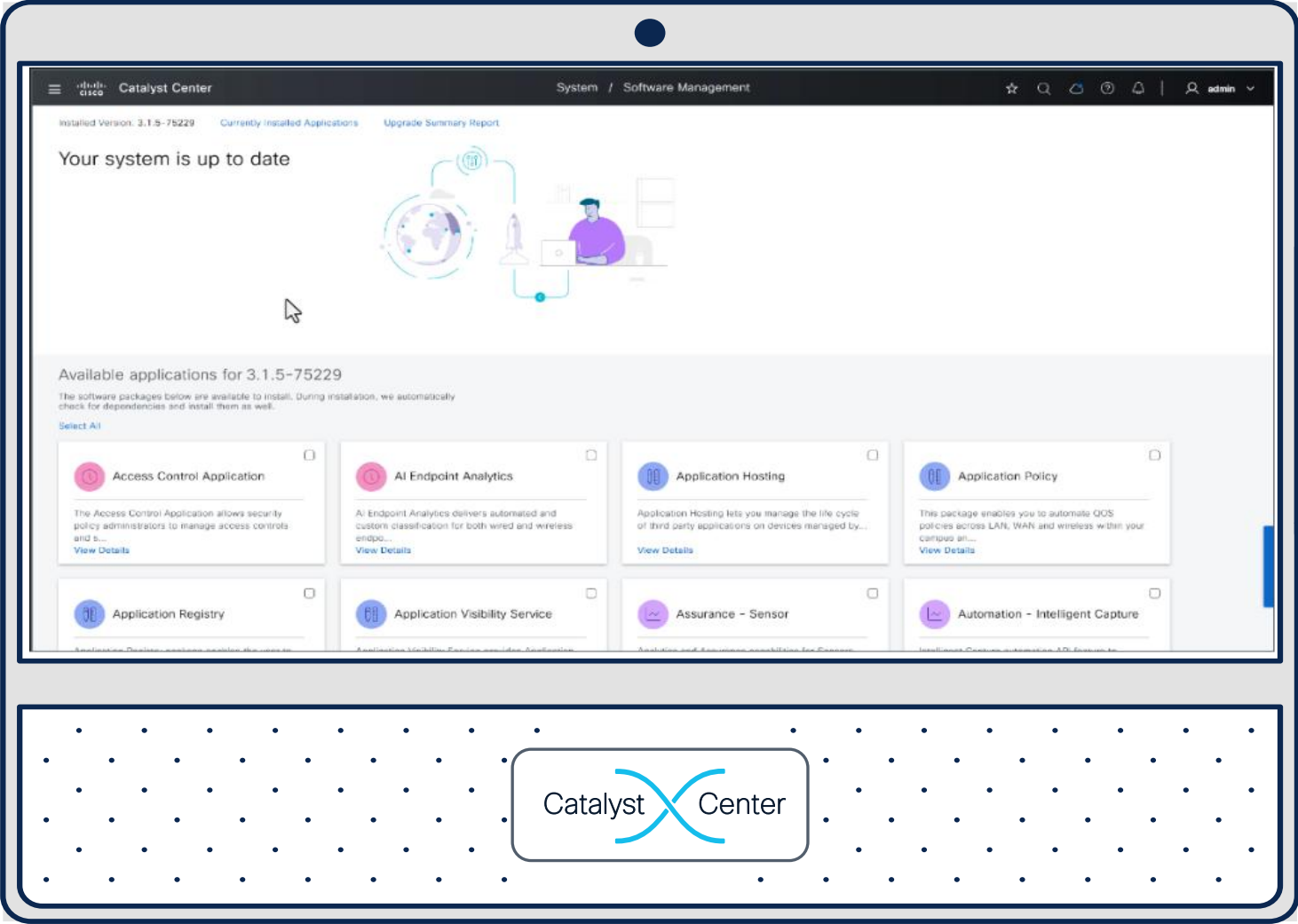
Note: Installing and running this application will not initiate service disruption for Catalyst Center until the **cluster migration step**



Install Upgrade Wizard package

Appliance Status: 

Why does it say your system is up to date?



How to start the upgrade application

Go to system -> Catalyst Center
3.x upgrade
or
Logout /login

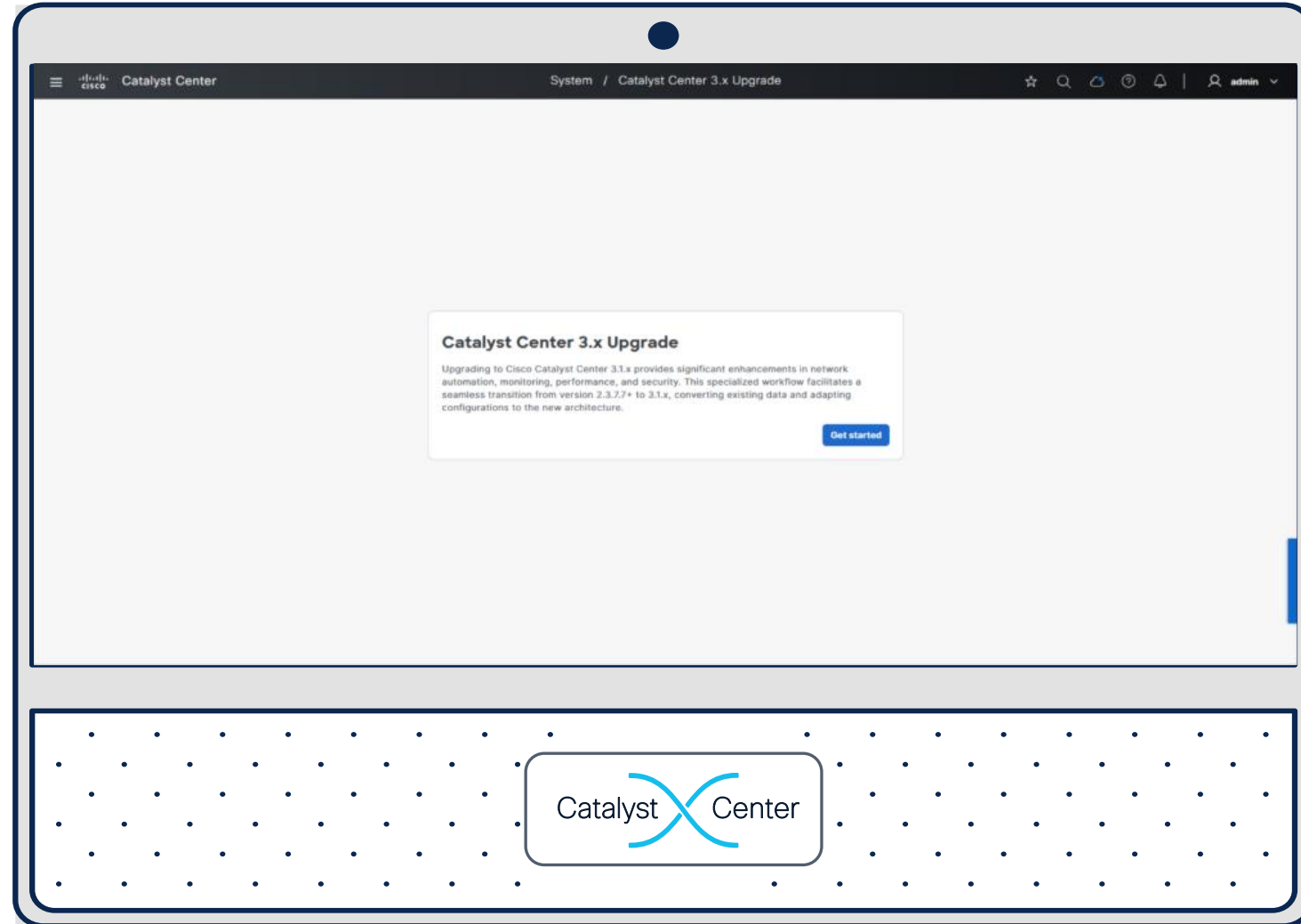
Catalyst Center 3.x Upgrade

Appliance Status:



Once the upgrade wizard is launched you can rerun the initial steps and pre-check as many time as you need until you pass all the pre-checks.

Note: Installing and running this application will not initiate service disruption for Catalyst Center until the **cluster migration step**

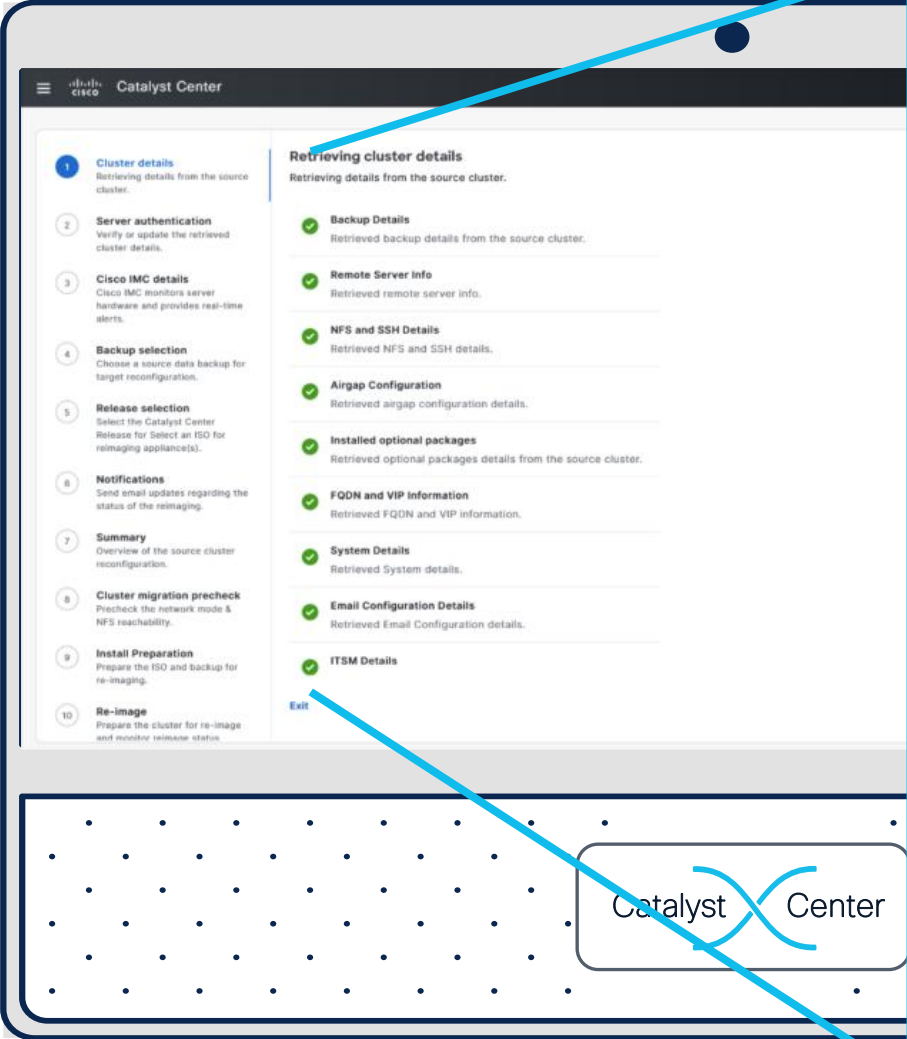
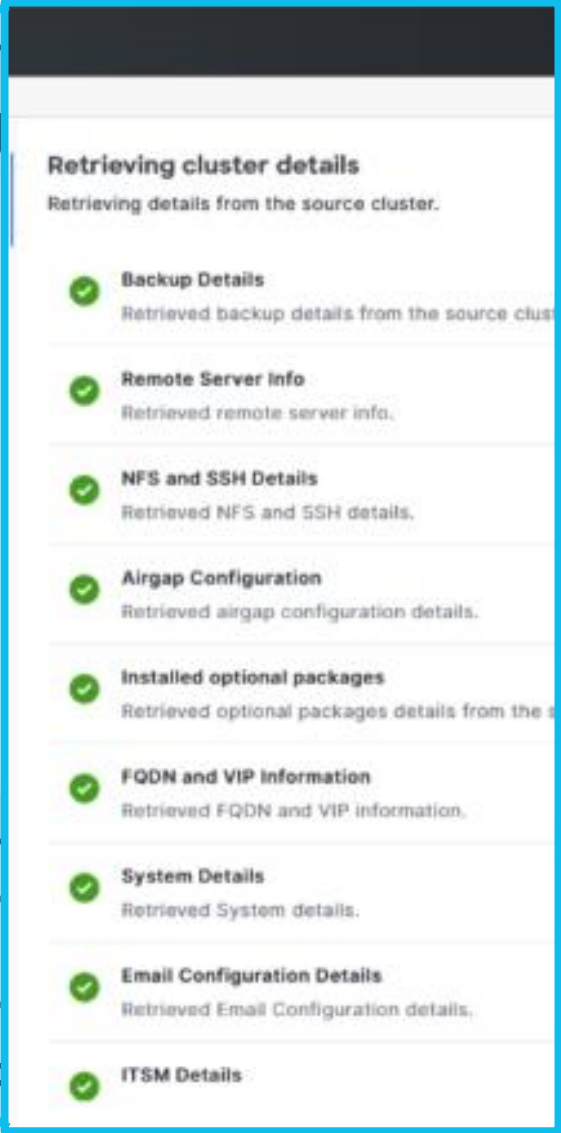


Retrieving cluster details

Appliance Status: 

The upgrade wizard will collect information and details about your cluster.

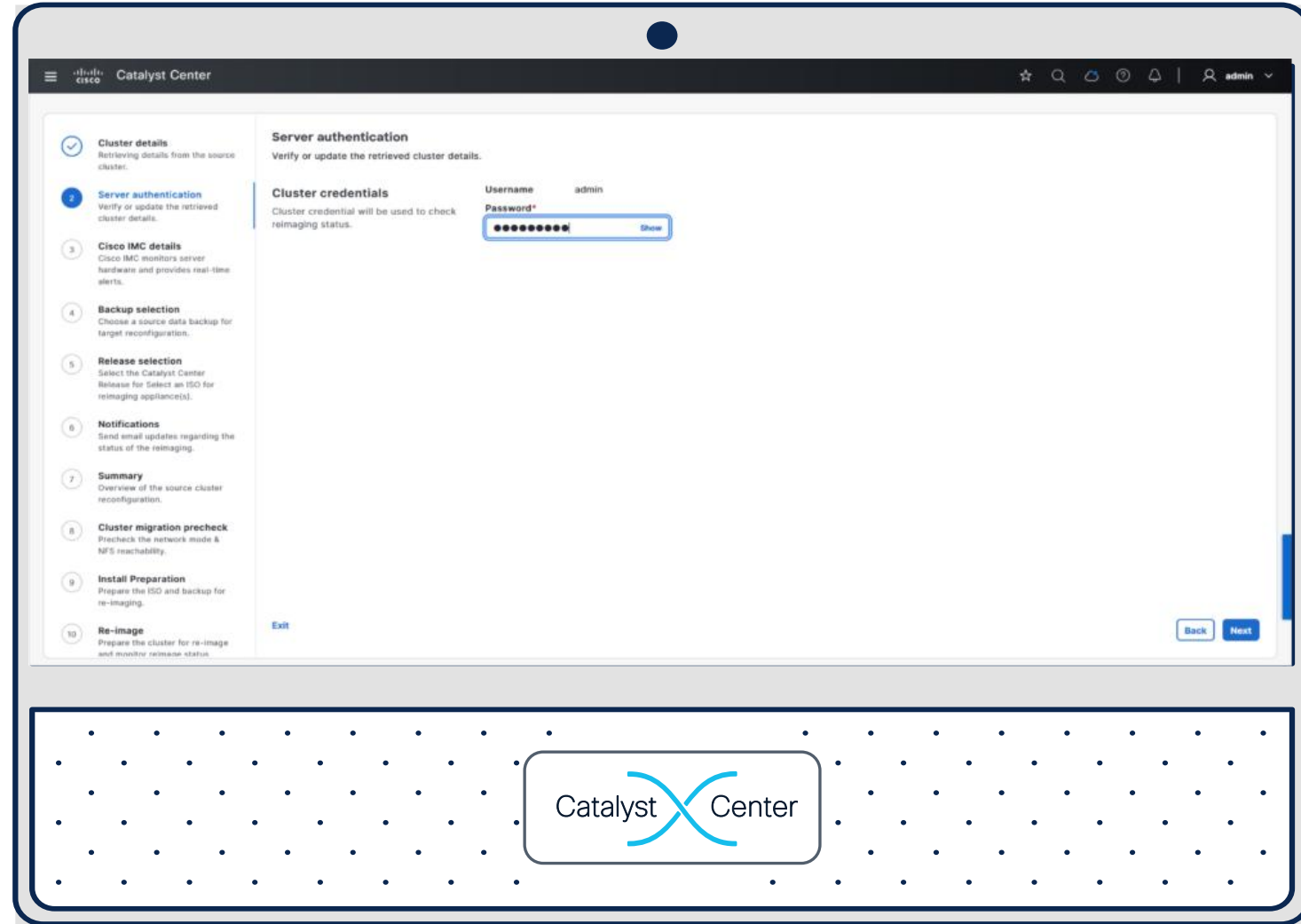
“Cluster” can refer to a single node or 3-node cluster



Server authentication

Appliance Status: 

Enter cluster “admin” credentials.
User ID user MUST have
“superadmin” level privileges for
your 2.3.7.x Catalyst Center
cluster.



Cluster details
Retrieving details from the source cluster.

Server authentication
Verify or update the retrieved cluster details.

Cluster credentials
Cluster credential will be used to check reimage status.

Username admin

Password* Show

Cluster details
Retrieving details from the source cluster.

Server authentication
Verify or update the retrieved cluster details.

Cisco IMC details
Cisco IMC monitors server hardware and provides real-time alerts.

Backup selection
Choose a source data backup for target reconfiguration.

Release selection
Select the Catalyst Center Release for Select an ISO for reimage appliance(s).

Notifications
Send email updates regarding the status of the reimage.

Summary
Overview of the source cluster reconfiguration.

Cluster migration precheck
Precheck the network mode & NFS reachability.

Install Preparation
Prepare the ISO and backup for re-imaging.

Re-image
Prepare the cluster for re-image and monitor reimage status.

Exit

Back Next

Catalyst Center

Cisco Integrated Management Console (CIMC)

Appliance Status:



Enter your CIMC credentials:
IP/UserID and PWD

NOTE: If you never setup your CIMC or you do not have the credentials, you will need to reboot the server into CIMC configuration mode

How is the CIMC Used?

The CIMC is used to specify boot order when performing the upgrade.

The screenshot shows the Cisco Catalyst Center web interface. The main content area is titled "Cisco Integrated Management Controller (CIMC)" and contains a form for entering credentials. The form fields are:

- IP address*: 10.0.0.25
- Username*: admin
- Password*: [masked]

The sidebar on the left lists the following steps:

- Cluster details
- Server authentication
- Cisco IMC details**
- Backup selection
- Release selection
- Notifications
- Summary
- Cluster migration precheck
- Install Preparation
- Re-image

The Catalyst Center logo is visible at the bottom center of the interface.



Let's branch off here and go deep "down the rabbit hole".

Backup selection

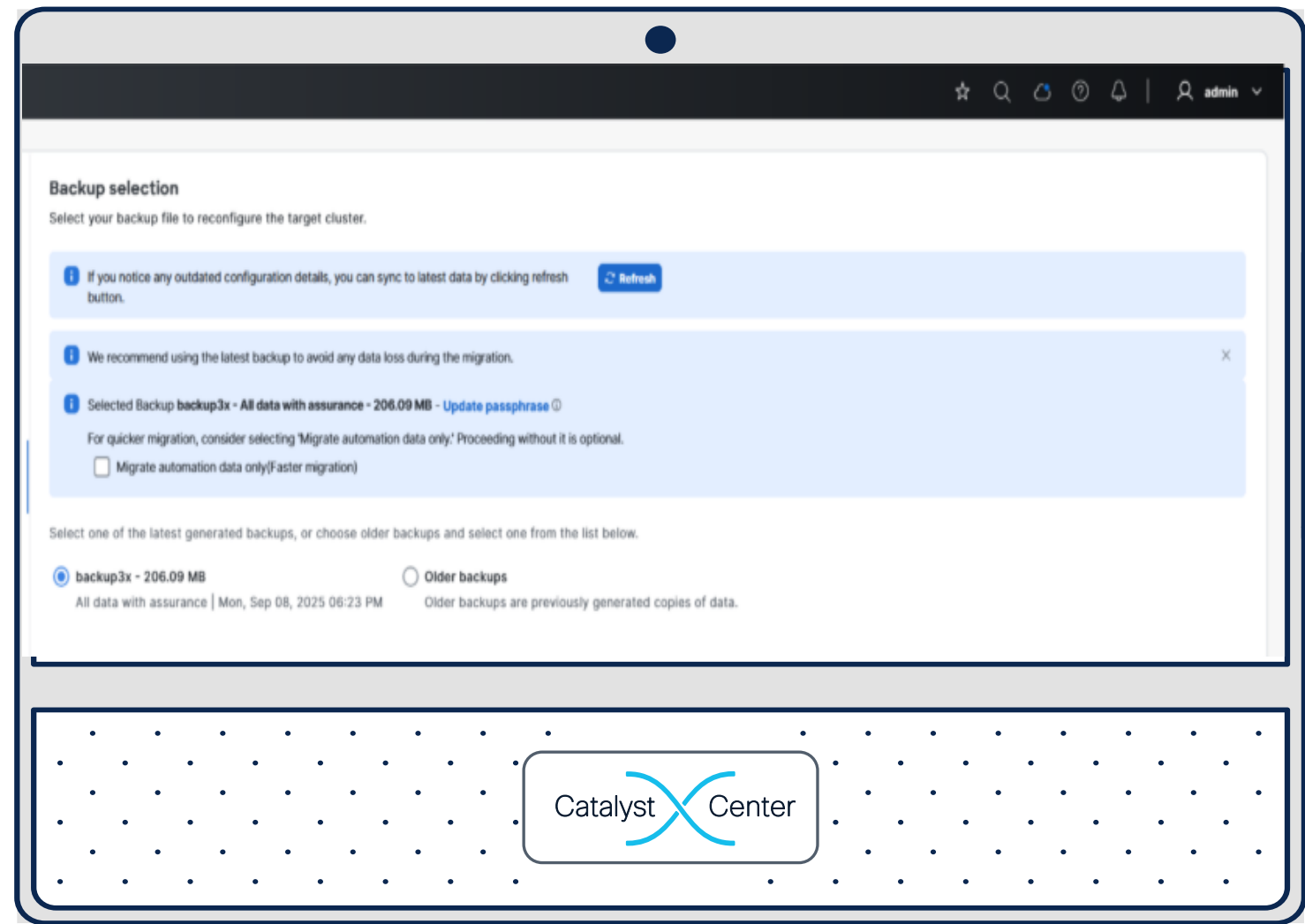
Select backup you want to use to migrate data from.

Backup must be NOT more than 5 days old

You can choose to migrate ONLY automation back and not assurance data.

Note

- The latest full backup that's available is already selected by default.
- If you want to retrieve the latest information for your source cluster, click **Refresh**.



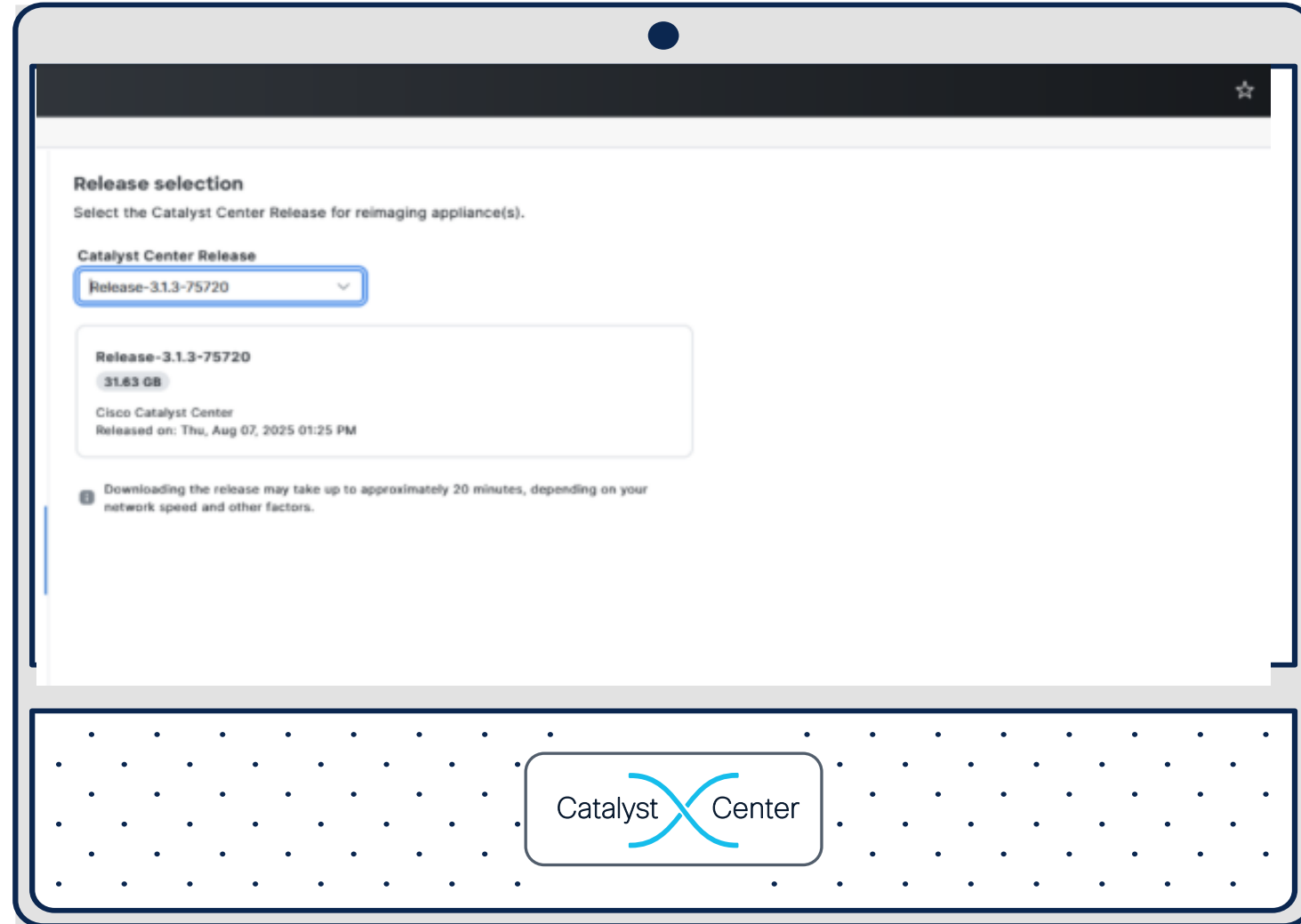
Release selection

Appliance Status:



Select which 3.X release you want to upgrade to.

The upgrade application will download the selected version.



During the upgrade, would you rather?

Watch grass grow?



Watch Paint Dry?



Watch a progress bar?

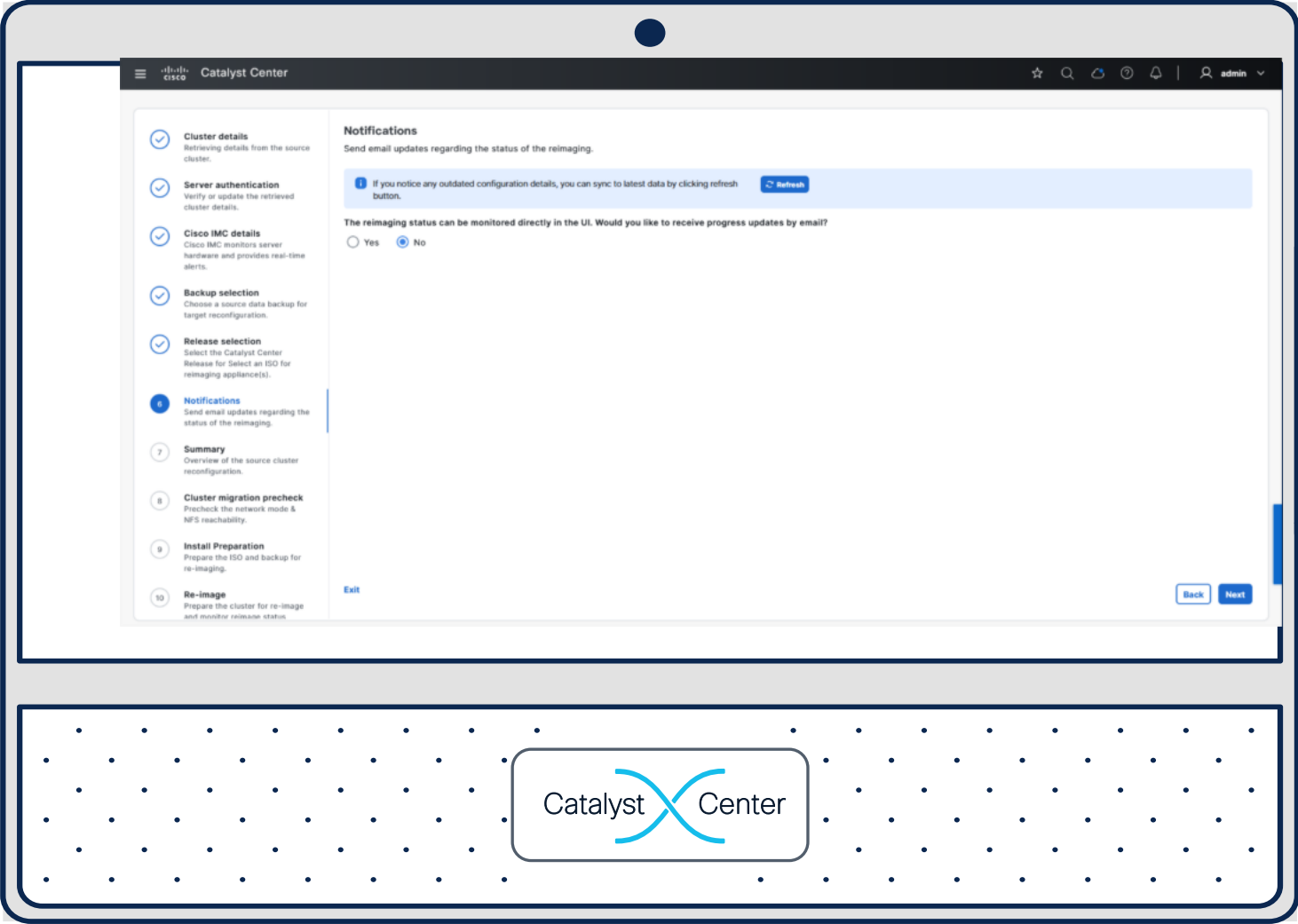


Sit at a bar and get email status updates?



Notifications

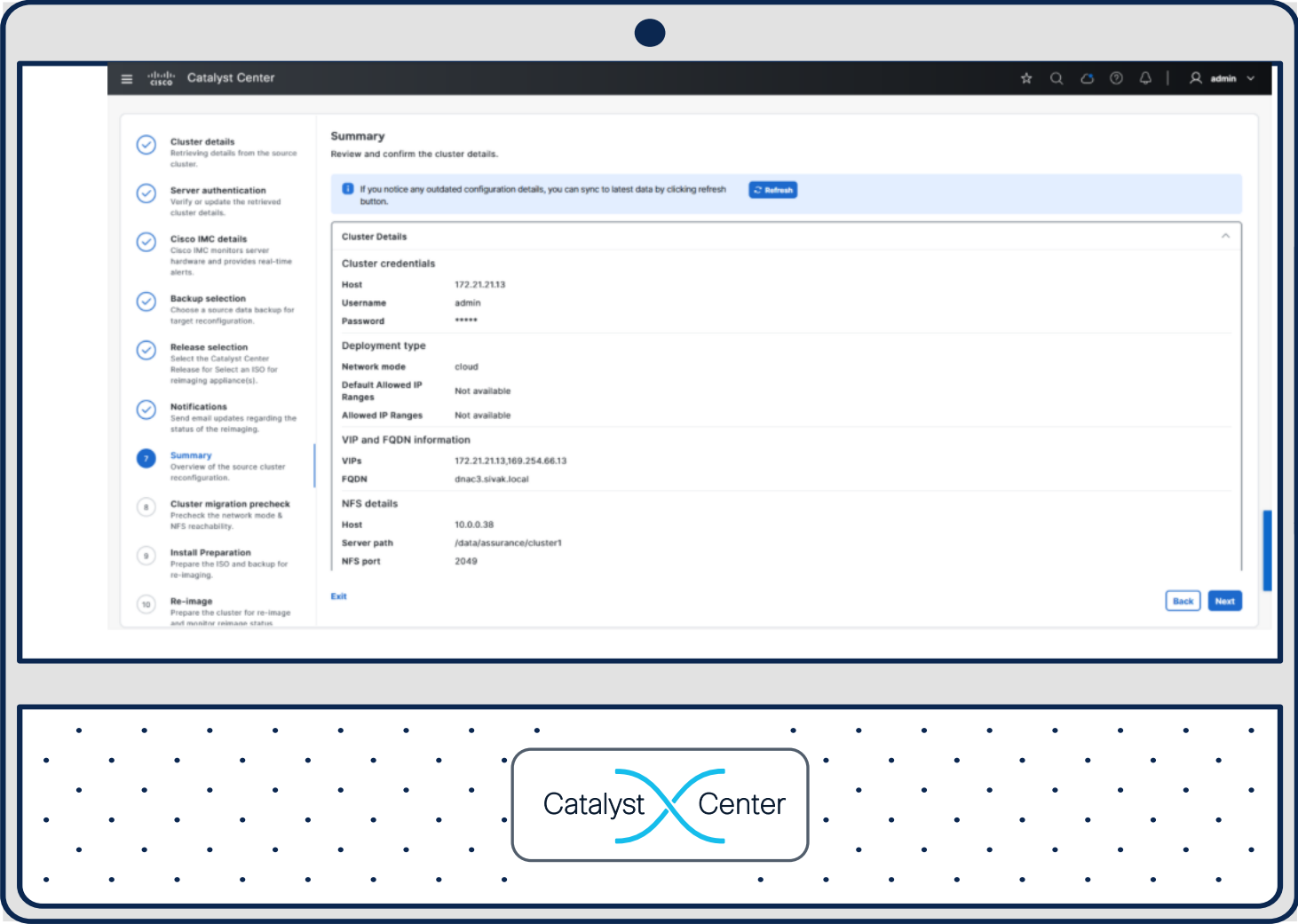
If you would like to get email notifications about how the upgrade progress is progressing



Summary

The upgrade wizard will show a summary of all data entered and selections.

Review for correctness before proceeding



Review Summary Page

If...	Then...
the settings displayed are correct	click Next .
any of these settings are missing	click Refresh and confirm whether the settings you entered are now displayed.
any of these settings are incorrect,	Click Back to return to the relevant wizard page. Make the necessary changes and return to the Summary page.

Cluster Migration precheck

Appliance Status:

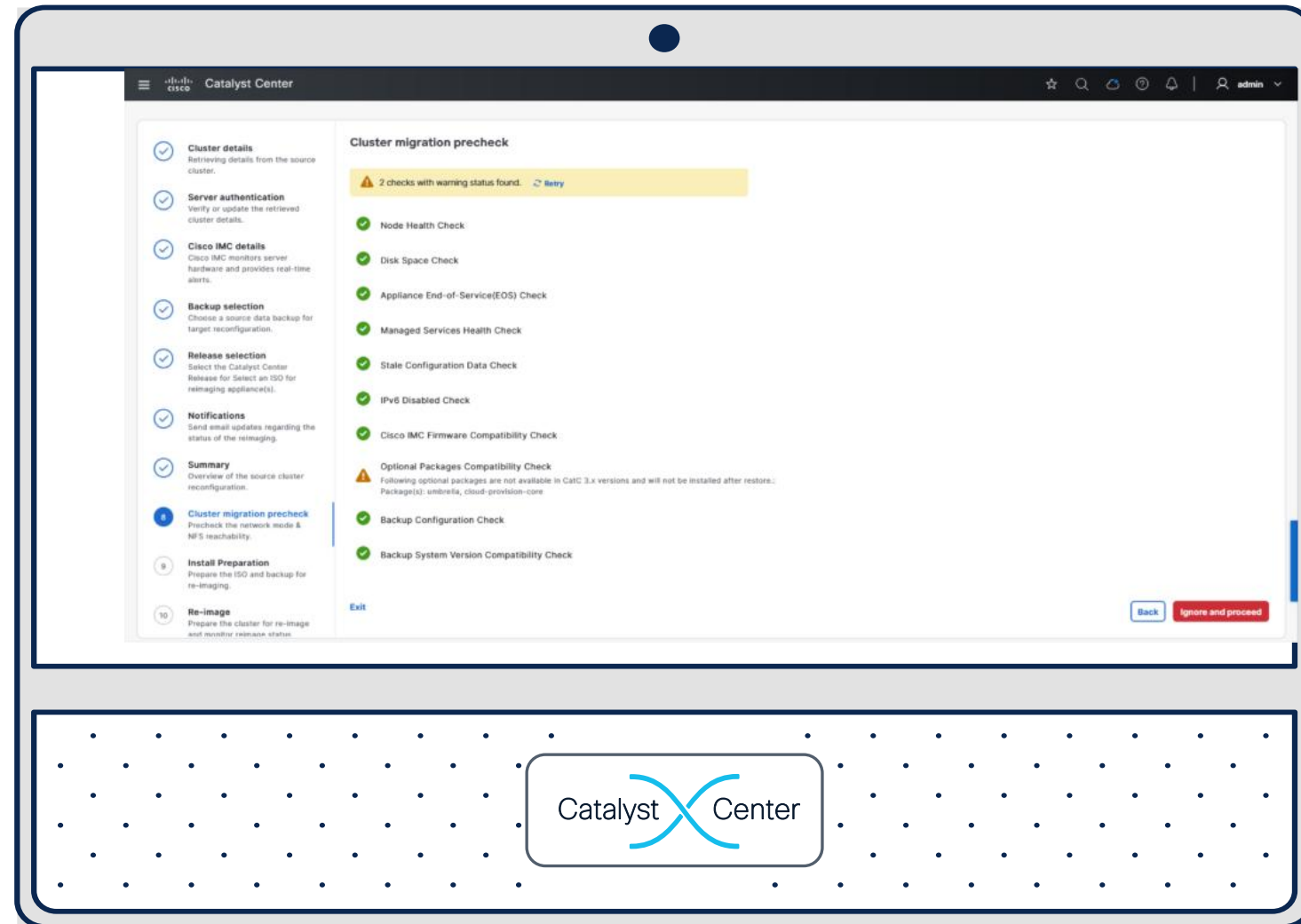


This will do a comprehensive precheck.

If there are any critical **errors** it will not let you proceed.

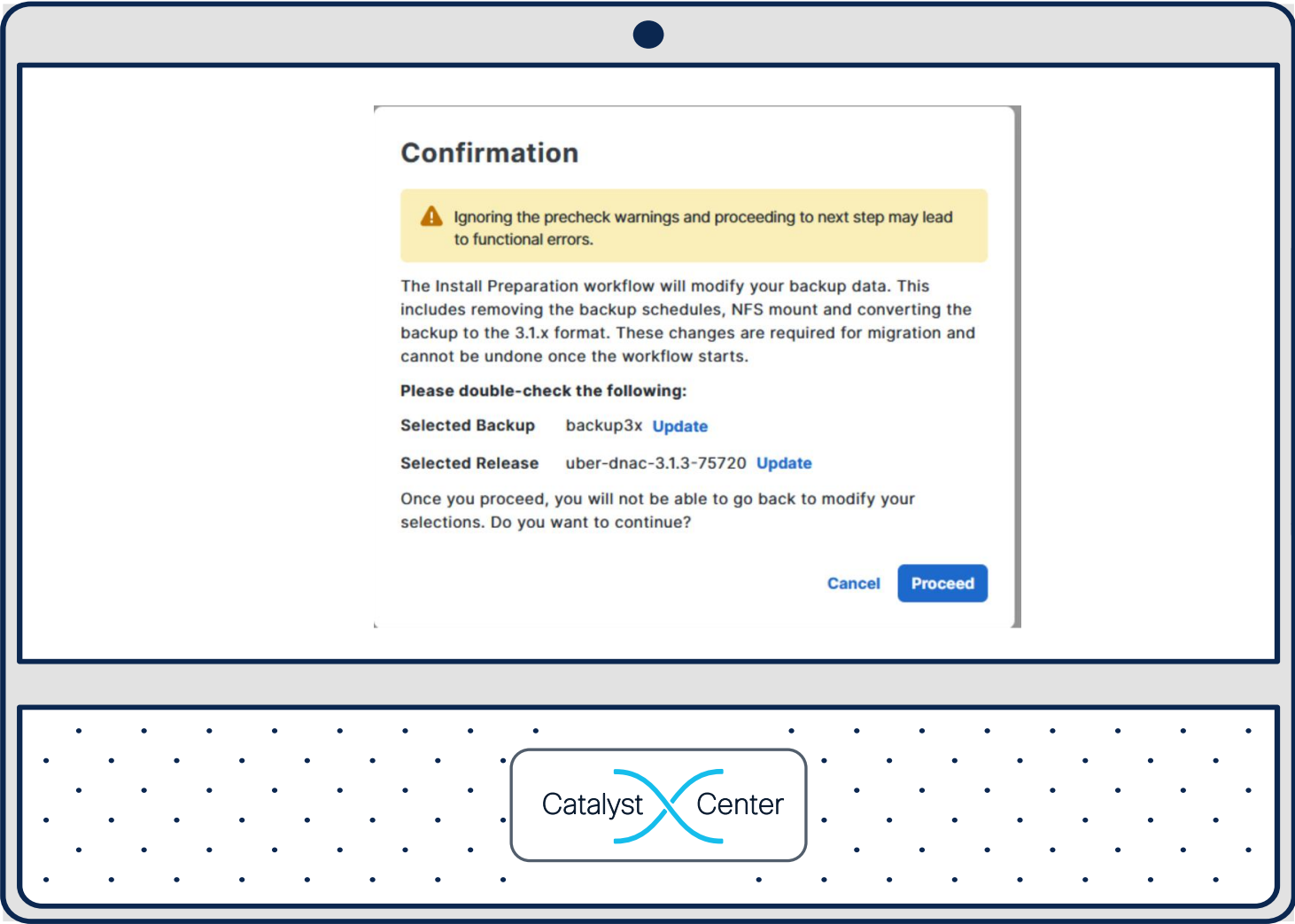
Some **warnings** you can ignore but they may require user intervention/correction later.

You can rerun the precheck as many times as you need until you clear up all errors.



Confirmation

A final confirmation of backup selection and target release version you are upgrading to.



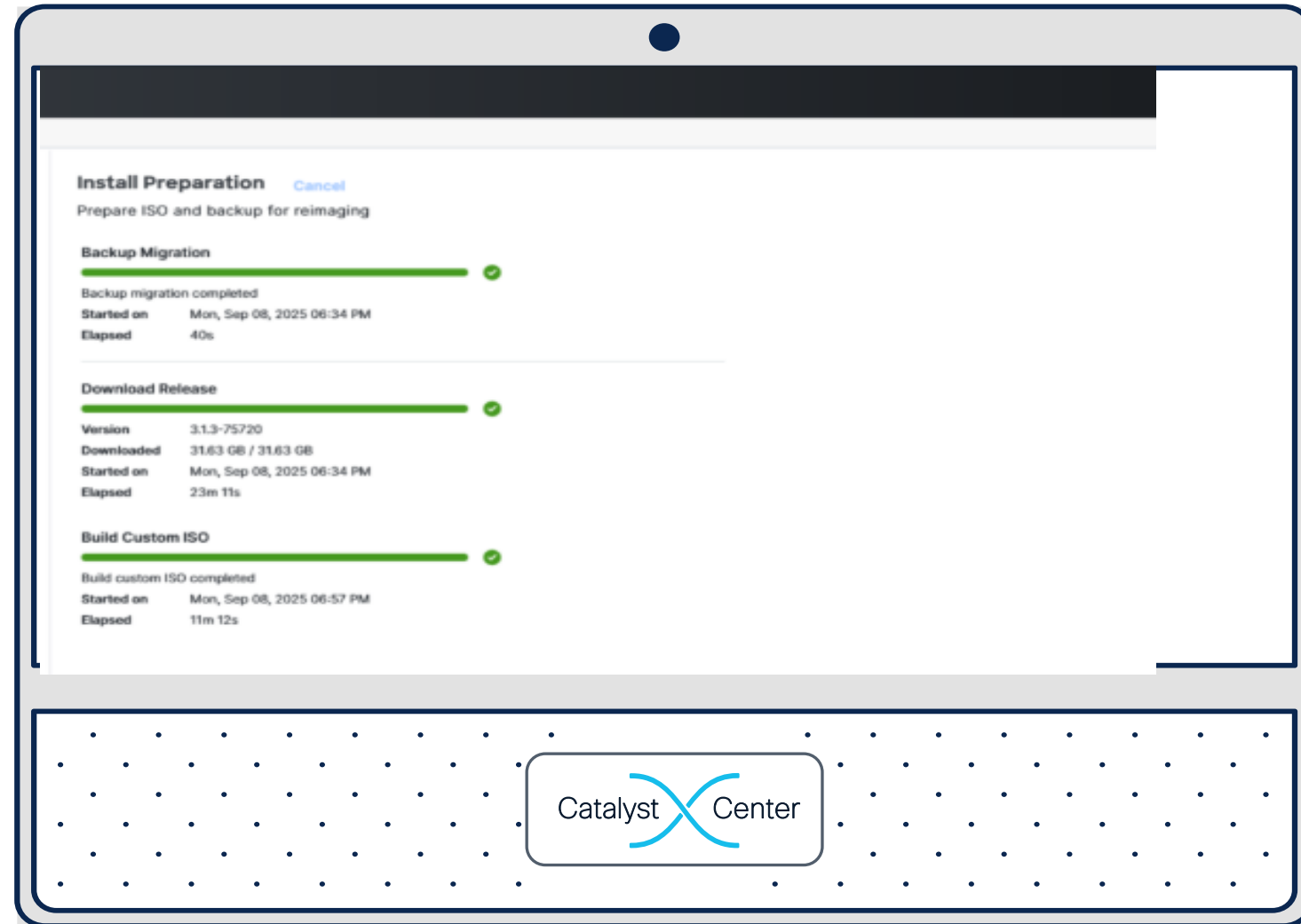
Install preparation

Appliance Status:



System will do the following:

1. Transform your backup to 3.x
2. Download selected release
3. Build a custom ISO to boot and install



Assuming all prechecks are passed

We can start the upgrade process

Cluster Migration warnings

Appliance Status: 

Cluster details

Retrieving details from the source cluster.

Server authentication

Verify or update the retrieved cluster details.

Cisco IMC details

Cisco IMC monitors server hardware and provides real-time alerts.

Backup selection

Choose a source data backup for target reconfiguration.

Release selection

Select the Catalyst Center Release for Select an ISO for reimagining appliance(s).

Notifications

Send email updates regarding the status of the reimagining.

Summary

Overview of the source cluster reconfiguration.

Cluster migration precheck

Precheck the network mode & NFS reachability.

Install Preparation

Prepare the ISO and backup for re-imaging.

Re-image

Prepare the cluster for re-image and monitor reimage status.

Install Preparation

Prepare ISO and backup for reimagining

Backup Migration

Backup migration completed

Started on

Mon, Sep 08, 2025 06:34 PM

Elapsed

40s

Download Release

Version

3.1.3-75720

Downloaded

31.63 GB / 31.63 GB

Started on

Mon, Sep 08, 2025 06:34 PM

Elapsed

23m 11s

Build Custom ISO

Build custom ISO completed

Started on

Mon, Sep 08, 2025 06:57 PM

Elapsed

11m 12s

Cluster Migration

Cluster pre-flight check completed with 2 warnings. [Less details](#)

Optional Packages Compatibility Check

Following optional packages are not available in CatC 3.x versions and will not be installed after restore.:
Package(s): umbrella, cloud-provision-core

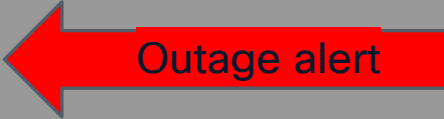
Cisco IMC Alerts Check

Failed while checking Cisco IMC alerts: 3 alert(s) detected on Cisco IMC 10.0.0.25. To resolve the alerts, follow these steps:
• Log in to the Cisco IMC <https://10.0.0.25>
• Navigate to Chassis → Faults and Logs → Fault Summary
• Review the identified alerts in the 'Fault Entries' list and resolve them accordingly before proceeding to prevent workflow failures.

Are you sure you want to proceed with the migration? This action is irreversible and will affect all ongoing processes.

Cancel

Ignore and proceed

 Outage alert



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BRKOPS-2566

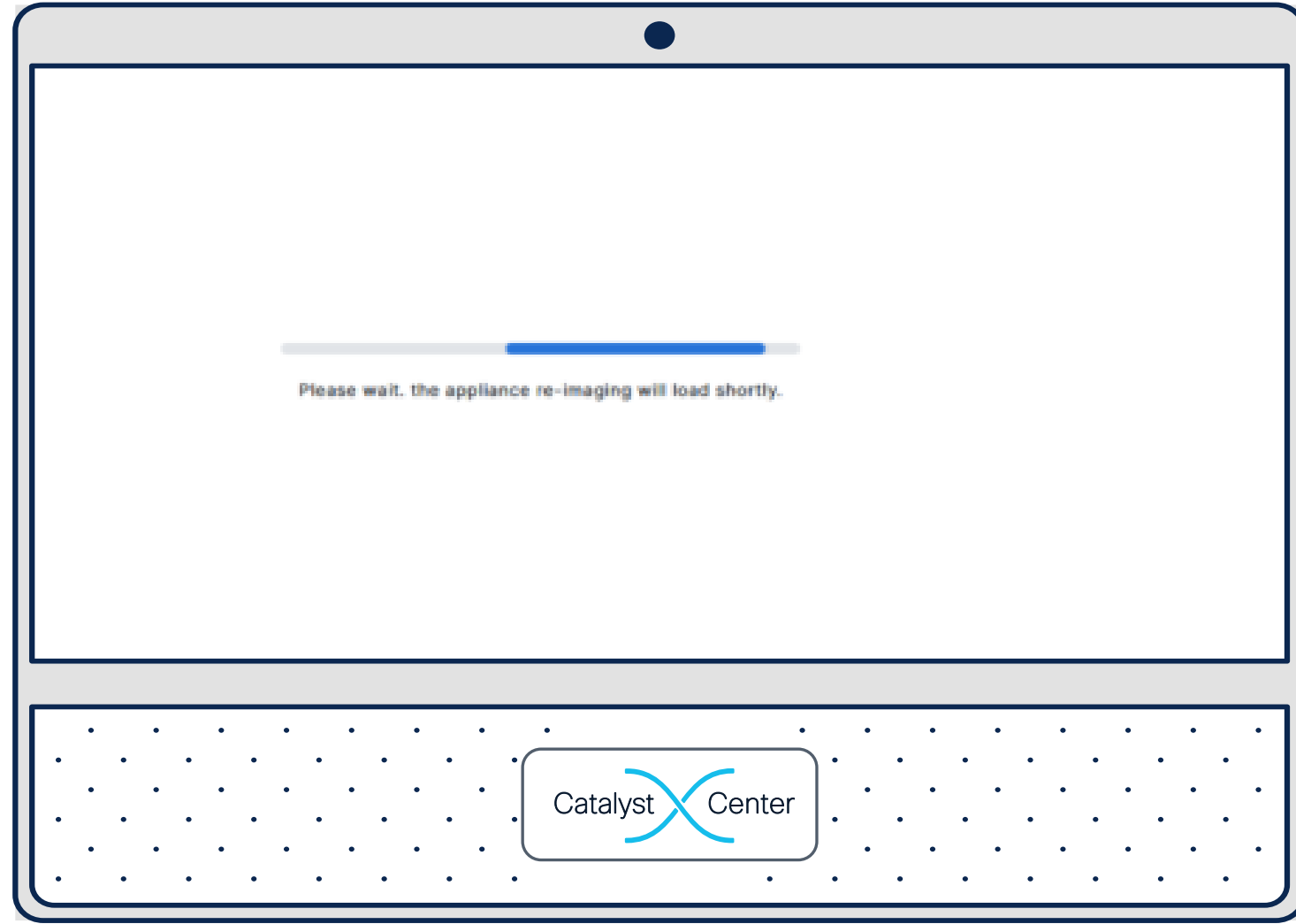

Cisco Confidential

Upgrade in progress

Appliance Status: 

Note appliance status:

Your network will continue to operate; you simply do not have visibility and management capabilities.



Upgrade in progress

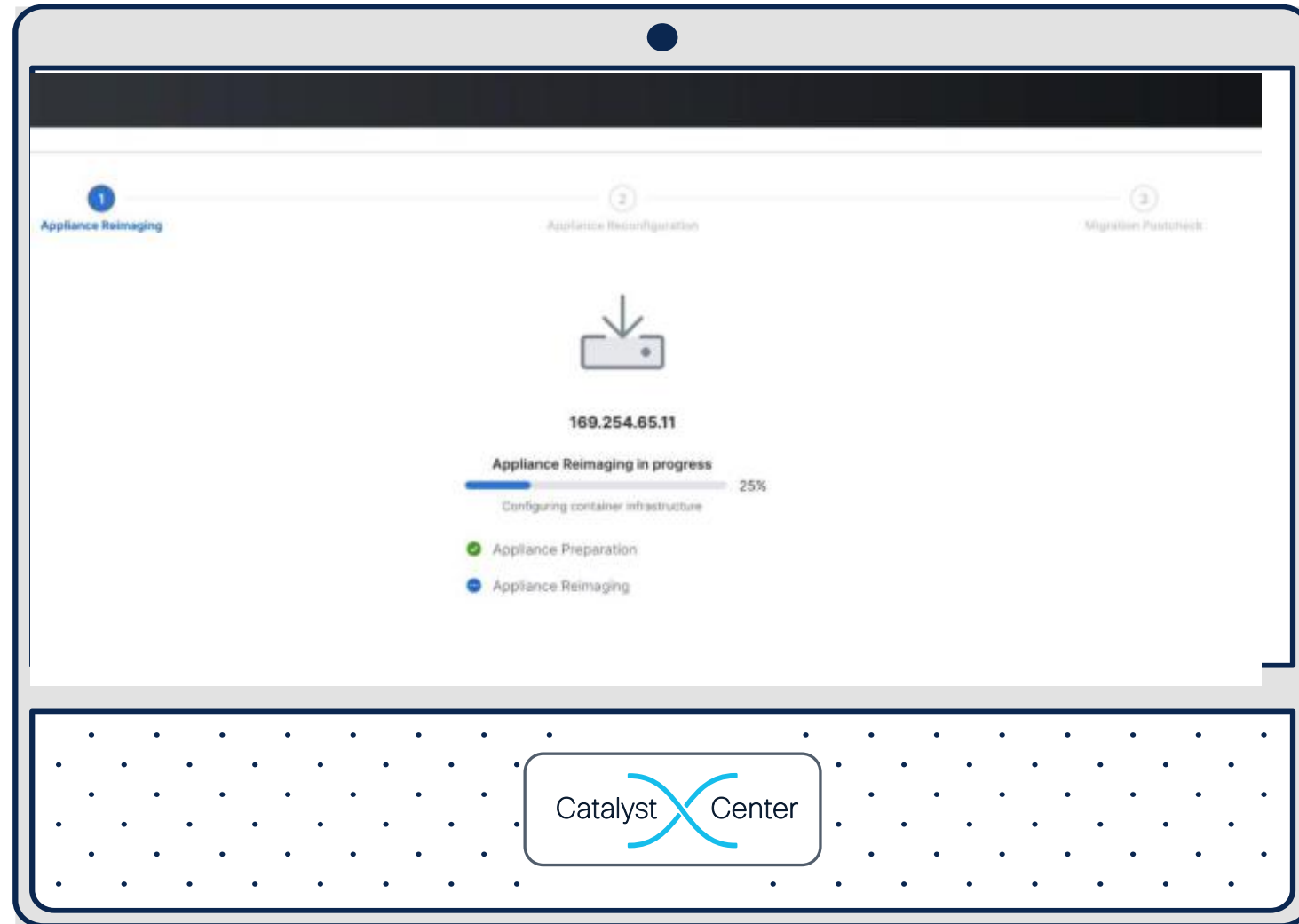
Appliance Status: ↓

Appliance Reimaging

If you setup the email alerting are hopefully having a beer while all this is happening

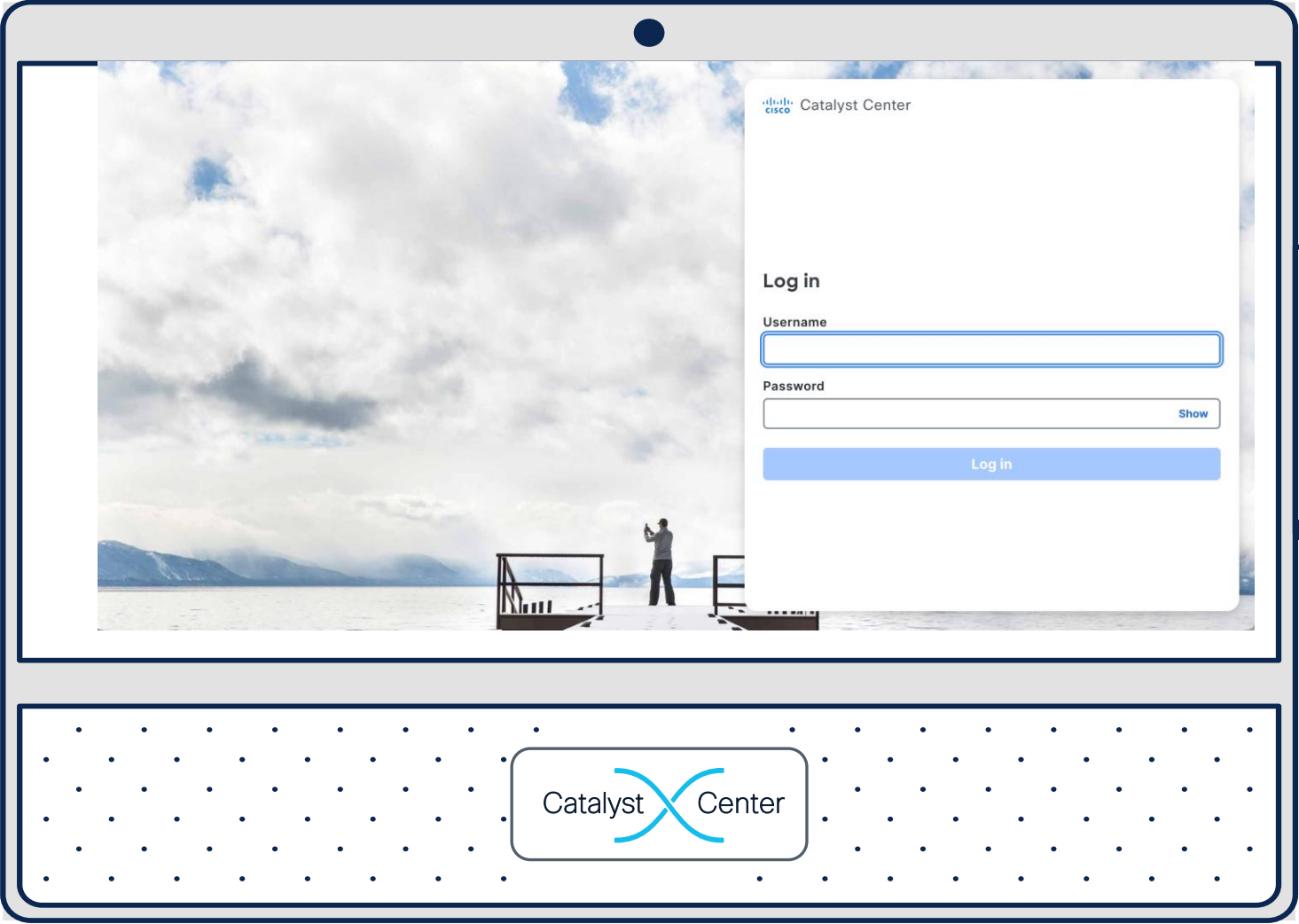
It will load the new software and restore your back up and reboot.

Depending on your backup size restore time can vary



Log Back In

Log back in to Catalyst Center



Platform Upgrade Completed

Appliance Status: 

Go to system -> platform upgrade
and see the platform upgrade
report

Congratulations



Catalyst Center

System / Platform Upgrade

Backup schedules from version 2.3.x.x weren't carried over during the migration. Please create new schedules manually.

Platform Upgrade Completed

The cluster migration was successfully completed on Mon, Sep 08, 2025 07:42 PM

Cluster migration details

Post Check

108ms (Mon, Sep 08, 2025 07:42:04 PM - Mon, Sep 08, 2025 07:42:04 PM)

Appliance Reconfiguration

32m 54s 457ms (Mon, Sep 08, 2025 07:08:49 PM - Mon, Sep 08, 2025 07:41:43 PM)

Appliance Reimaging

2h 22m 58s 732ms (Mon, Sep 08, 2025 04:45:49 PM - Mon, Sep 08, 2025 07:08:47 PM)

Reimaging Pre Flight Check

15s 213ms (Mon, Sep 08, 2025 04:30:33 PM - Mon, Sep 08, 2025 04:30:48 PM)

Catalyst Center

Congratulations Upgrade Is Complete



Post upgrade report

Catalyst Center

admin

Design

Policy

Provision

Assurance

Workflows

Energy Management

Tools

Platform

Activities

Reports

System

Explore

Platform Refresh Completed

The cluster migration was successfully completed on Tue, Jul 01, 2025 05:27 AM

Cluster migration details

Post Check

104ms (Tue, Jul 01, 2025 05:27:18 AM - Tue, Jul 01, 2025 05:27:18 AM)

Appliance Reconfiguration

34m 37s 343ms (Tue, Jul 01, 2025 04:52:34 AM - Tue, Jul 01, 2025 05:27:12 AM)

Appliance Reimaging

2h 55m 18s 121ms (Tue, Jul 01, 2025 01:57:15 AM - Tue, Jul 01, 2025 04:52:33 AM)

Prepare Install

35m 44s 728ms (Tue, Jul 01, 2025 12:55:59 AM - Tue, Jul 01, 2025 01:31:44 AM)

Pre Check

5s 204ms (Tue, Jul 01, 2025 12:53:45 AM - Tue, Jul 01, 2025 12:53:50 AM)

Data Collection

30s 363ms (Tue, Jul 01, 2025 12:19:16 AM - Tue, Jul 01, 2025 12:19:46 AM)

Home

Upgrade from a physical appliance to a virtual appliance

Before you begin

Configure	Configure a virtual appliance running Catalyst Center 3.1.5 on ESXi. See the Cisco Catalyst Center 3.1.x on ESXi Deployment Guide.
Confirm	Confirm you are upgrading from a medium appliance that's running one of these Catalyst Center versions: 2.3.7.7.70047 2.3.7.7-70047-CSCwn89323.SMU 2.3.7.9.70301 2.3.7.9.70301.10 2.3.7.10.70209
Ensure	Ensure that a backup server is configured for automation data, and that an NFS server is configured for Assurance data.
Note	Note: NFS is mandatory for the migration of backup files from physical Catalyst Center appliances.

The Catalyst Center 3.x upgrade application is preinstalled on the 3.x release.

Step 1

Appliance Status:



Start the Catalyst Center 3.x upgrade wizard:

a. From the main menu, choose System > Catalyst Center 3.x Upgrade.

b. Click Get started.

Catalyst Center 3.x Upgrade

Upgrading to Cisco Catalyst Center 3.1.x provides significant enhancements in network automation, monitoring, performance, and security. This specialized workflow facilitates a seamless transition from version 2.3.7.7+ to 3.1.x, converting existing data and adapting configurations to the new architecture.

☒ By providing consent, you authorize logs to be shared with Cisco for troubleshooting purposes.

[Don't auto open this page](#)

[Get started](#)

Catalyst Center

Step 2

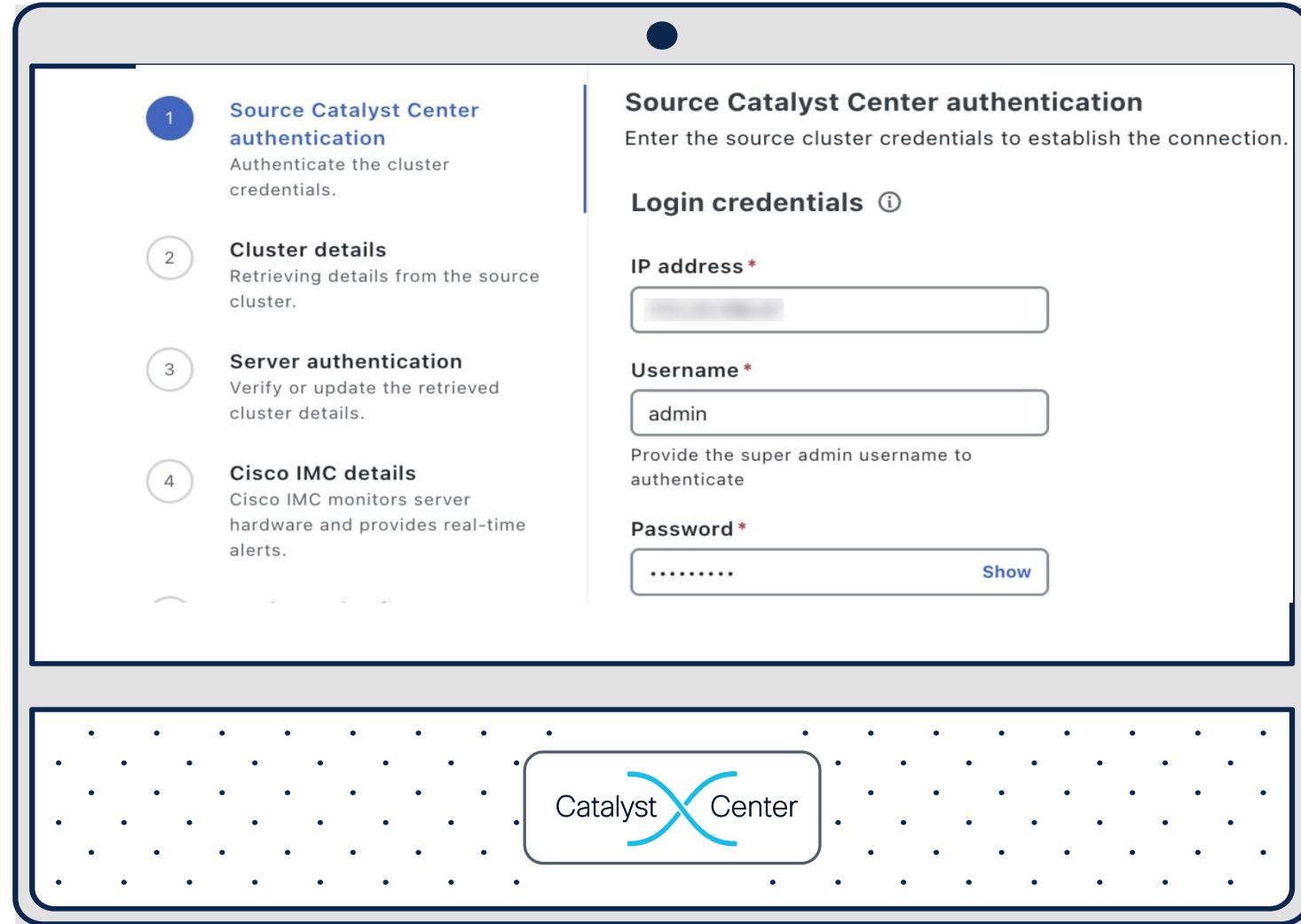
Appliance Status: 

Complete the Catalyst Center 3.x upgrade wizard:

a. In the Source Catalyst Center authentication page, enter the following information and then click Next:

b. The source cluster's IP address

c. The cluster's login credentials



The screenshot shows the 'Source Catalyst Center authentication' page. On the left, a progress bar indicates four steps: 1. Source Catalyst Center authentication (active), 2. Cluster details, 3. Server authentication, and 4. Cisco IMC details. The main content area on the right is titled 'Source Catalyst Center authentication' and includes the instruction 'Enter the source cluster credentials to establish the connection.' Below this, the 'Login credentials' section contains three input fields: 'IP address *' (with a blurred value), 'Username *' (containing 'admin'), and 'Password *' (with masked characters and a 'Show' button). A footer bar at the bottom features the 'Catalyst Center' logo, which consists of the word 'Catalyst' followed by a stylized 'X' and the word 'Center'.

Confirm

Appliance Status:



Catalyst Center displays a message if it cannot verify the security certificate that your cluster uses.

Potential Security Risk

This site's security certificate cannot be verified by Catalyst Center. This might be caused by self-signed certificate, or incorrect destination (IP or hostname). If you trust [REDACTED] anyway, and still want to proceed, select 'Confirm' below.

[More details](#)

Cancel

Confirm

Catalyst Center

Retrieve Source Cluster Details

If you want to proceed, click Confirm to close the message.

The wizard then retrieves information from your source cluster, such as its configured NFS server and FQDN.

Note:

If the wizard flags any information it can't retrieve, click the [Retry retrieving all details](#) link.

- ✓

Source Catalyst Center authentication
Authenticate the cluster credentials.
- 2

Cluster details
Retrieving details from the source cluster.
- 3

Server authentication
Verify or update the retrieved cluster details.
- 4

Cisco IMC details
Cisco IMC monitors server hardware and provides real-time alerts.
- 5

Backup selection
Choose a source data backup for target reconfiguration.
- 6

Notifications
Send email updates regarding the status of the reconfiguration.
- 7

Summary
Overview of the source cluster reconfiguration.
- 8

Cluster migration precheck
Precheck the network mode & NFS reachability.
- 9

Reconfiguration
Status of restoration process.

Retrieving cluster details

Retrieving details from the source cluster.

- ✓

Backup Details
Retrieved backup details from the source cluster.
- ✓

Remote Server Info
Retrieved remote server info.
- ✓

NFS and SSH Details
Retrieved NFS and SSH details.
- ✓

Airgap Configuration
Retrieved airgap configuration details.
- ✓

Outgoing proxy configuration
Retrieved outgoing proxy configuration details.
- ✓

Installed optional packages
Retrieved optional packages details from the source cluster.
- ✓

FQDN and VIP Information
Retrieved FQDN and VIP information.
- ✓

System Details
Retrieved System details.
- ✓

Email Configuration Details
Retrieved Email Configuration details.

Server Authentication Page

The Server authentication page opens.

- In the Outgoing proxy details section, your proxy server's login credentials.
- In the Remote host details section, the password for automation backup and restore operations.

Note: By default, the VIPs and FQDN that are configured for your deployment are grayed out. These settings are not carried over, so you'll need to configure them after the upgrade.

- ✓

Source Catalyst Center authentication
Authenticate the cluster credentials.
- ✓

Cluster details
Retrieving details from the source cluster.
- 3

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Verify or update the retrieved cluster details.
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Cisco IMC monitors server hardware and provides real-time alerts.
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Status of restoration process.

Server authentication

Verify or update the retrieved cluster details.

i If you notice any outdated configuration details, you can sync to latest data by clicking refresh button. [Refresh](#)

Outgoing proxy details

Provide the password to access the outgoing proxy configuration.

Proxy server

Username

Password

Show

Remote host details

Remote host configuration for Automation data backup.

Server IP

Server path

Username devcloud

Password *

Show

NFS details

Network File System (NFS) configuration for Assurance data backup.

Host

Server path

Virtual IP addresses (VIPs)

If you prefer not to include VIPs in the migration, you can exclude them by selecting the checkbox below.

☒ Exclude from migration

i Note: After migration, VIP assignment must be done manually.

Virtual IP addresses (VIPs)

Fully Qualified Domain Name (FQDN)

If you prefer not to include FQDN in the migration, you can exclude them by selecting the checkbox below.

☒ Exclude from migration

i Note: After migration, FQDN assignment must be done manually.

Fully Qualified Domain Name (FQDN)

Cisco Integrate Management Controller (CIMC)

Appliance Status:



Enter your CIMC credentials:

IP/UserID and PWD

NOTE: If you never setup your CIMC or you do not have the credentials, you will need to reboot the server into CIMC configuration mode

How is the CIMC Used?

The CIMC is used to shut down the server so the VIP can be migrated

The screenshot shows the Cisco Integrated Management Controller (CIMC) configuration interface. On the left, a vertical sidebar contains four steps, each with a circular icon: 1. Source Catalyst Center authentication (checkmark), 2. Cluster details (checkmark), 3. Server authentication (checkmark), and 4. Cisco IMC details (number 4). The main panel is titled 'Cisco Integrated Management Controller(IMC)' and includes a description: 'Provide credentials for the Cisco IMC, which monitors server hardware and provides real-time alerts for issues.' Below this, the 'Cisco Integrated Management Controller(IMC)' section shows 'Node name: 169.254.6.66'. To the right, there are three input fields: 'IP address *' (empty), 'Username *' (containing 'admin'), and 'Password *' (masked with dots and a 'Show' link). At the bottom of the interface, there is a 'Catalyst Center' logo, which consists of the words 'Catalyst' and 'Center' separated by a stylized 'X' icon.

Cisco Integrate Management Controller (CIMC)

Appliance Status:



Note:

Catalyst Center displays a message if it cannot verify the security certificate that your cluster uses. If you want to proceed, click **Confirm** to close the message.

Potential Security Risk

This site's security certificate cannot be verified by Catalyst Center. This might be caused by self-signed certificate, or incorrect destination (IP or hostname). If you trust [REDACTED] anyway, and still want to proceed, select 'Confirm' below.

Less details

System encountered an error during TLS validation:
DEPTH_ZERO_SELF_SIGNED_CERT self-signed certificate

Cancel

Confirm

Catalyst Center

Backup Selection

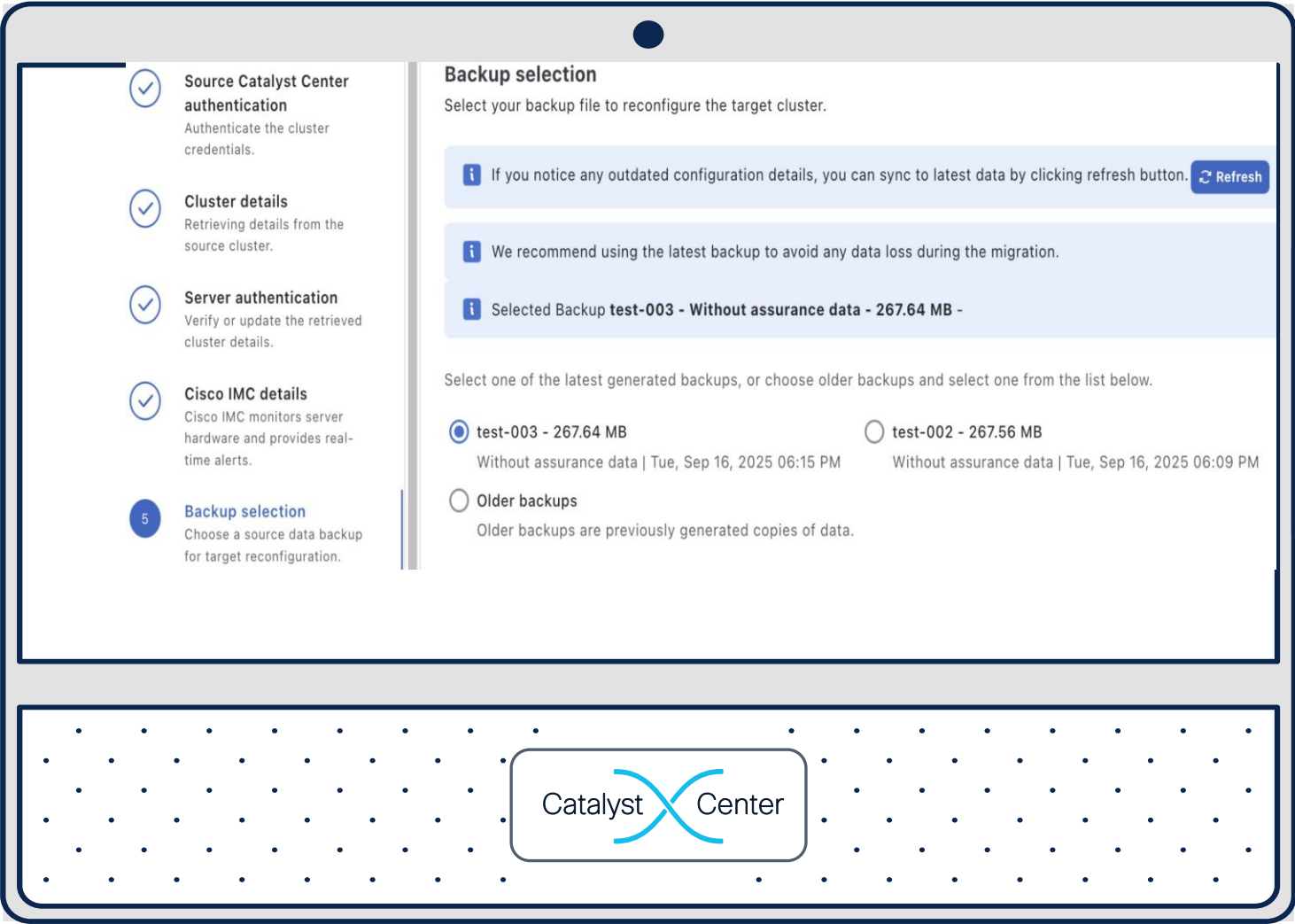
Select backup you want to use to migrate data from.

Backup must be **NOT** more than 5 days old

You can choose to migrate **ONLY** automation back and not assurance data.

Note

- The latest full backup that's available is already selected by default.
- If you want to retrieve the latest information for your source cluster, click **Refresh**.



Access to backup

Enter the backup's encryption
passphrase, then click Proceed



Backup access

Enter the passphrase for the **full-backup - 1.25 GB** backup to decrypt and reconfigure the cluster.

Passphrase

Show

Cancel

Proceed

Catalyst X Center

Email Notification Configuration

In the Notifications page, specify whether you want to receive status update emails during the upgrade



- ✓

Source Catalyst Center authentication
Authenticate the cluster credentials.
- ✓

Cluster details
Retrieving details from the source cluster.
- ✓

Server authentication
Verify or update the retrieved cluster details.
- ✓

Cisco IMC details
Cisco IMC monitors server hardware and provides real-time alerts.
- ✓

Backup selection
Choose a source data backup for target reconfiguration.
- 6

Notifications
Send email updates regarding the status of the reconfiguration.
- 7

Summary
Overview of the source cluster reconfiguration.
- 8

Cluster migration precheck
Precheck the network mode & NFS reachability.
- 9

Reconfiguration
Status of restoration process.

Notifications

Send email updates regarding the status of the reconfiguration.

The reconfiguration status can be monitored directly in the UI. Would you like to receive progress updates by email?

☒ Yes ☐ No

Primary SMTP Configuration

Configure settings to send email from Catalyst Center Platform.

[Edit](#)

FQDN/IP

Type DEFAULT

Port 25

Secondary SMTP Configuration (Optional)

Configure settings to send email from Catalyst Center Platform.

FQDN/IP

Type
DEFAULT

Port
25

Username

Password
 [Show](#)

Receiver's email(s) Configuration

Configure and send a test email from Catalyst Center to verify email settings and recipient addresses.

From Address

Receiver's email(s) *

Add comma-separated email addresses of recipients for reconfiguration alerts.

Email Notification Configuration

If...	Then...
you want to receive status update emails	<ul style="list-style-type: none">Click the Yes radio button. The Primary SMTP Configuration area displays the current settings for your primary SMTP server. If these settings have not been configured already, enter them now.(Optional) Click Edit to make changes to your primary SMTP server's settings.(Optional) Enter the settings for your secondary SMTP server.In the Receiver's email(s) Configuration area, enter the addresses that status update emails should be sent to. To enter multiple addresses, separate each address with a comma.(Optional) Click Test mail to check whether the addresses you just specified receive a message.
you do not want to receive status update emails,	click the No radio button

Summary Page

The upgrade wizard will show a summary of all data entered and selections.

Review for correctness before proceeding

-  **Source Catalyst Center authentication**
Authenticate the cluster credentials.
-  **Cluster details**
Retrieving details from the source cluster.
-  **Server authentication**
Verify or update the retrieved cluster details.
-  **Cisco IMC details**
Cisco IMC monitors server hardware and provides real-time alerts.
-  **Backup selection**
Choose a source data backup for target reconfiguration.
-  **Notifications**
Send email updates regarding the status of the reconfiguration.
-  **Summary**
Overview of the source cluster reconfiguration.
-  **Cluster migration precheck**
Precheck the network mode & NFS reachability.
-  **Reconfiguration**
Status of restoration process.

Summary

Review and confirm whether to use version source cluster details or target cluster details.

 If you notice any outdated configuration details, you can sync to latest data by clicking refresh button. 

Cluster Details

Source cluster credentials

Host

Username

admin

Password

Deployment type

Network mode

cloud

Default Allowed IP Ranges

Not available

Allowed IP Ranges

Not available

VIP and FQDN information

VIPs

FQDN

NFS details

Host

Server path

NFS port

2049

NFS version

nfs3

Remote host details

Server ip

Server port

22

Server directory

Server username

devcloud

Server password

Review Summary Page

If...	Then...
the settings displayed are correct	click Next .
any of these settings are missing	click Refresh and confirm whether the settings you entered are now displayed.
any of these settings are incorrect,	<ul style="list-style-type: none">• Click Back to return to the relevant wizard page.• Make the necessary changes and return to the Summary page.

Cluster Migration Precheck

Appliance Status:



This will perform a comprehensive precheck.

If there are any critical **errors** it will not let you proceed.

Some **warnings** you can ignore but they may require user intervention/correction later.

You can rerun the precheck as many times as you need until you clear up all errors.

- ✓ Source Catalyst Center authentication
Authenticate the cluster credentials.
- ✓ Cluster details
Retrieving details from the source cluster.
- ✓ Server authentication
Verify or update the retrieved cluster details.
- ✓ Cisco IMC details
Cisco IMC monitors server hardware and provides real-time alerts.
- ✓ Backup selection
Choose a source data backup for target reconfiguration.
- ✓ Notifications
Send email updates regarding the status of the reconfiguration.
- ✓ Summary
Overview of the source cluster reconfiguration.
- 8 Cluster migration precheck
Precheck the network mode & NFS reachability.
- 9 Reconfiguration
Status of restoration process.

Cluster migration precheck

1 checks with warning status found. [Retry](#)

✓ Stale Configuration Data Check

✓ Cluster FIPS Compatibility Check

Backup Configuration Check

Backup configuration check failed: NFS throughput validation failed: Low NFS throughput detected on node: , The measured NFS throughput is: 79.8 MB/s, Recommendation is above: 80 MB/s. Please check the NFS connection for potential performance issues.

✓ Backup System Version Compatibility Check

✓ NFS Server Port Connectivity Check

✓ Backup Compatibility With Target Cluster Check

✓ Optional Packages Check

✓ Backup Passphrase Check

✓ Backup Certificate Check

✓ High Availability (HA) Not Configured Check

✓ Disaster Recovery(DR) Disabled Check

✓ IPv6 Disabled Check

✓ Cloud Connectivity Check

✓ System Workflow Status Check

✓ Kubernetes Resource Validation Check

✓ External Authentication Server Check

✓ SMTP Email Configuration Check

Before starting upgrade

Confirm that you want to go ahead with the upgrade:

If...	Then...
No items are flagged	click Proceed , then click Proceed again.
Items that don't require immediate attention are flagged ORANGE	<div>i.Click Ignore and proceed. A dialog box opens with more details on flagged items.</div> <div>ii.Confirm that you want to go ahead with the upgrade without addressing these items by clicking Proceed.</div>
Items that must be addressed before starting the upgrade are flagged RED	Take care of these items before returning to this wizard page.

Cluster Migration

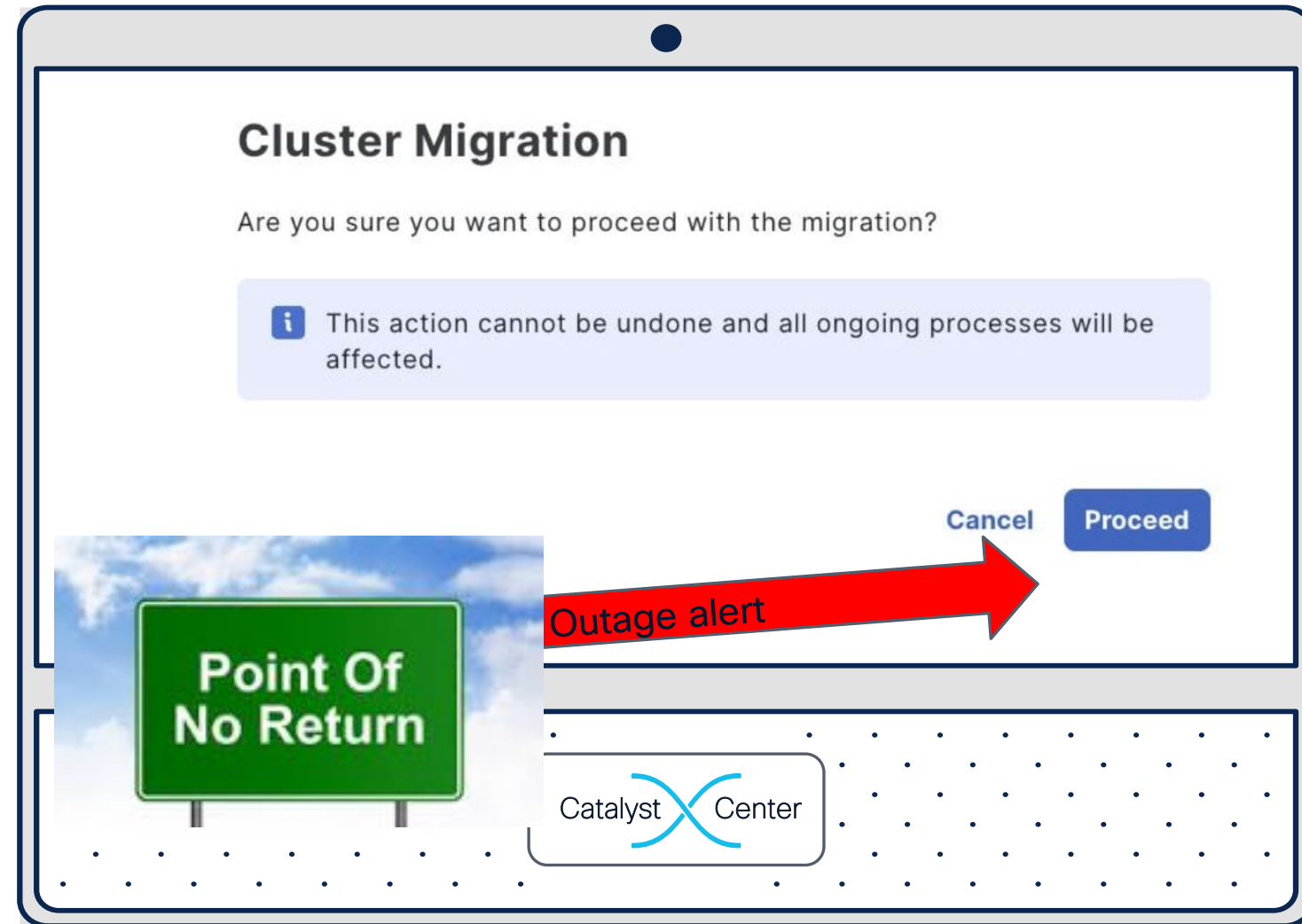
Appliance Status:



After Catalyst Center completes these tasks, the Cluster Migration dialog box opens.

Important

This is the last point where you can back out of the upgrade. Only continue if you are ready to upgrade.



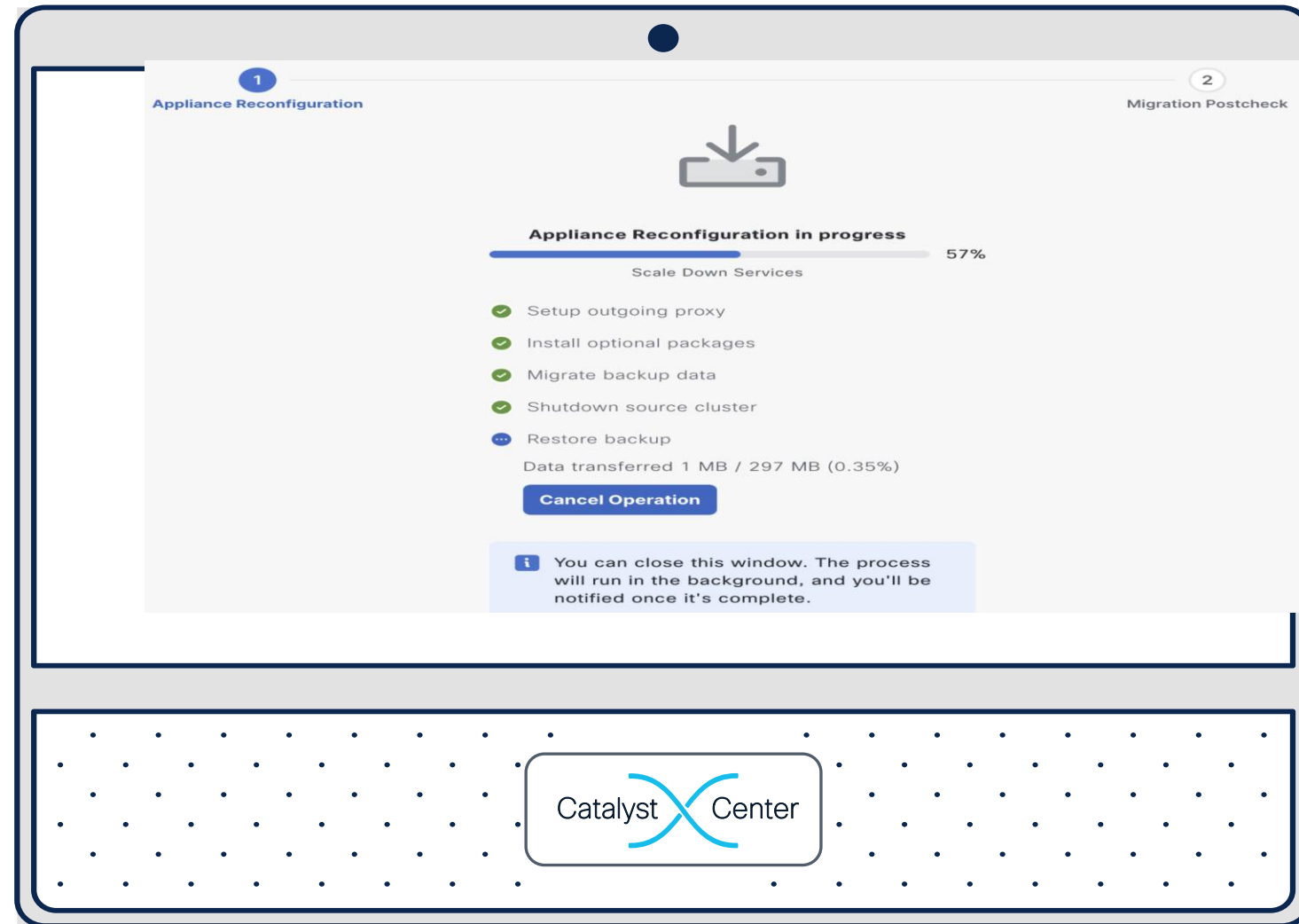
Appliance Reconfiguration

Appliance Status:



The backup configuration (both automation and Assurance/NFS) for your physical Catalyst Center appliance is removed.

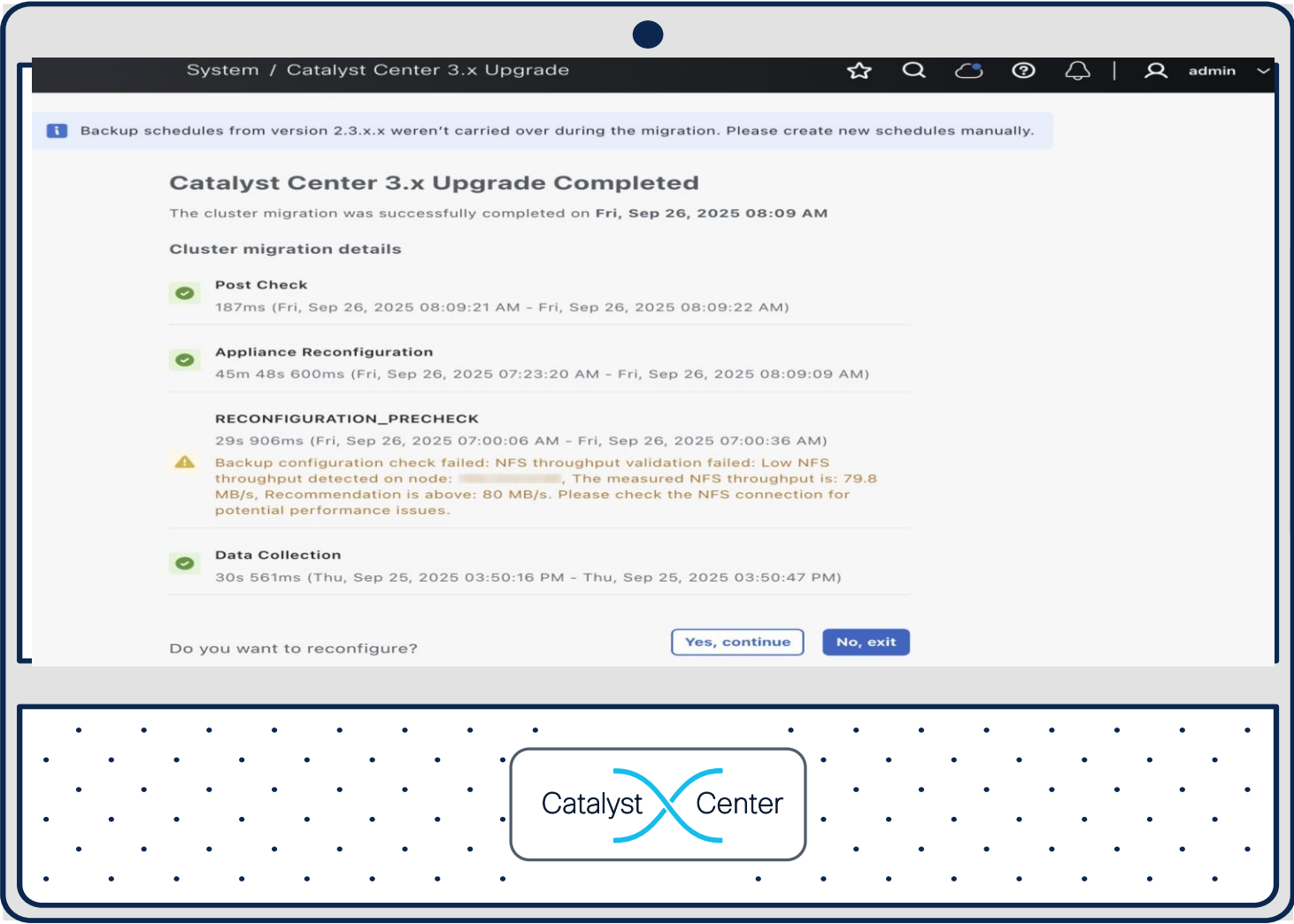
The appliance is powered down, and the upgrade begins. You can monitor the upgrade's progress as it completes.



Finalize upgrade/migration

Appliance Status: 

After the upgrade completes,
click No, exit to finalize the
upgrade.



Congratulations Upgrade Is Complete



Additional Resources

Data Migration Guide

Release Notes

Backup Tutorial

CIMC

Complete your session evaluations



Complete a minimum of 4 session surveys and the Overall Event Survey to claim a Cisco Live T-Shirt.



Earn up to 800 points by completing all surveys and climb the Cisco Live Challenge leaderboard.



Level up and earn exclusive prizes!



Complete your surveys in the Cisco Live Events app.

Cisco Live APJC Network Platform Learning Map

WoS Demo Pods

DEMDR-05

Unify Observability and Networking | Splunk Observability and Cisco Networking

DEMCPA-06

On-Prem Network Management | Cisco Catalyst Center Global Manager, RBAC

DEMCPA-07

Unified Network Management | Cisco Meraki and Catalyst Center, Licensing

DEMCPA-08

Assurance with Cisco | Networking, Cisco ThousandEyes, Cisco AI Assistant

DEMCPA-10

AgenticOps for Networking

DEMFPW-31

Unified Network Management | Meraki Dashboard, Cisco Catalyst Center, and Cloud Fabric

Monday—10th

BRKTRS-2008

Meraki Cloud Networking for the CLI Wired Brain

○ CISCOU-3628

GenAI Your Way: Reimagine Network Troubleshooting

CISCOU-1678

Using Terraform to Automate your Meraki Deployment

Walk-in Labs

LABOPS-2105

Catalyst Center Troubleshooting Tools

Tuesday—11th

○ BRKOPS-1156

Simple and Easy Network Automation - with Cisco Workflows

BRKENS-1402

Designing Access and Core Switching Architectures with Meraki

○ LTSENT-1718

See More, Act Faster: Unified Network Management for Hybrid Networks

LTRENS-3751

SD-Access as Code with Cisco Catalyst Center and ISE Automation

BRKMER-1431

Meraki Cloud-Delivered Network Access Control (NAC) for Modern Networks

BRKMER-1074

Kickstart Your Enterprise Network with Cloud Dashboard

○ CISCOU-1623

Automated Meraki switch port configuration copies for switch lifecycle replacement

BRKTRS-3821

Mastering Troubleshooting with Cisco Catalyst Center & SD-Access

○ BRKOPS-2566

Catalyst Center Migration from 2.3.7 to 3.1.x

BRKOPS-2194

Building Networks That Build Themselves: Full Lifecycle Automation from Planning to Monitoring

Wednesday—12th

BRKEWN-2039

AI Wireless Operation - when AI meets Cisco Meraki Wireless

LTRXAR-3783

Cross-Architecture Integration Experience Lab

BRKOPS-2067

From Zero to Hero with Cisco Catalyst Center: Adoption Insights from the Frontline

○ BRKEWN-2141

Catalyst Meets Meraki in Wi-Fi 7: Real-World Implementation, Troubleshooting, and Features of Wi-Fi 7

○ BRKENS-2568

What's New in SD-Access?

Thursday—13th

BRKEWN-2658

Cisco Spaces: Advanced Location Based Services for Enterprise Networks

○ CISCOU-3627

MCP Servers for Network Platforms: Unifying Catalyst Center and Meraki

CISCOU-1640

Simplifying Network Operations: Cisco Catalyst Center & Meraki Integrations with NetBox

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Thank you

CISCO Live !

