

IOS CLI Migration Assistant

Objective

The objective of this article is to explain how the IOS Conversion Tool is used from the web user interface (UI) of Cisco Catalyst series switches to convert an existing Cisco Catalyst 1000 configuration file into Catalyst 1200/1300/1300X configuration syntax.

Applicable Devices | Software Version

- Cisco Catalyst 1200
- Cisco Catalyst 1300
- Cisco Catalyst 1300X

Introduction

The IOS Conversion Tool provides a guided migration path for networks moving from Cisco Catalyst 1000 switches to Cisco Catalyst 1200, Catalyst 1300 or Catalyst 1300X platforms by converting an existing Catalyst 1000 configuration file into the syntax used by the newer switch families. On the web UI of the Catalyst 1200/1300/1300X switches, a direct launch point to the online conversion workflow is included, which simplifies access to the tool and helps streamline migration planning. This process applies when a Catalyst 1000 configuration file is available as the source input, and the resulting output is intended for Catalyst 1200 or Catalyst 1300 or Catalyst 1300X deployment. The feature is used as part of migration preparation rather than local switch configuration, so the main requirement is a valid Catalyst 1000 configuration file and access to the web UI and Cisco sign-in page.

Launch the IOS Conversion Tool

Step 1

Log in to the web UI of your switch. In this example, a Catalyst 1300 switch is used.



Switch

Username 1

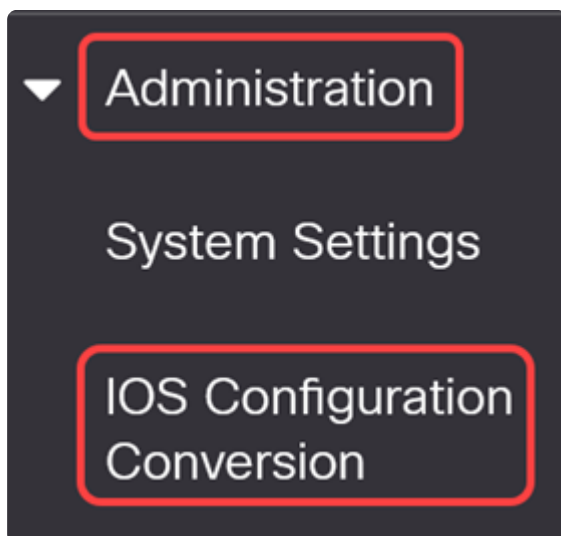
Password 2

English ▾

Log In 3

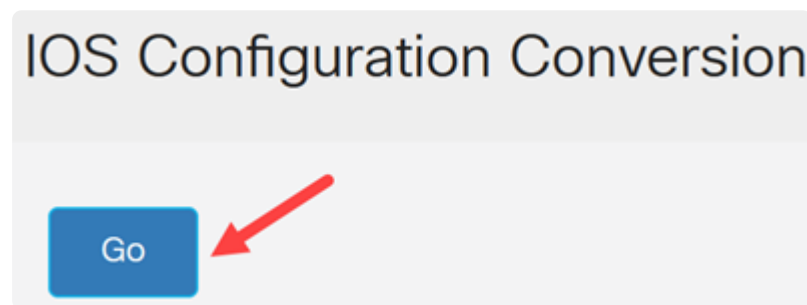
Step 2

Navigate to the **Administration > IOS Configuration Conversion** menu.



Step 3

Click **Go** to open the IOS Conversion Tool. You will be redirected to <https://cisco.com/go/iosconversiontool>.



Upload and Convert the Configuration

Step 1

On the redirected Cisco conversion page, click on **Sign In with SSO** button.



Login Required

Please sign in to access the Catalyst 1000
Migration Assistant

→] Sign In with SSO

You will be redirected to the SSO login page

Step 2

When connecting, you need to sign in with Cisco to access the tool. Users can choose to use their Cisco account, or a Google or Apple Account.



Login to Cisco AI Assistant



Continue with Cisco SSO



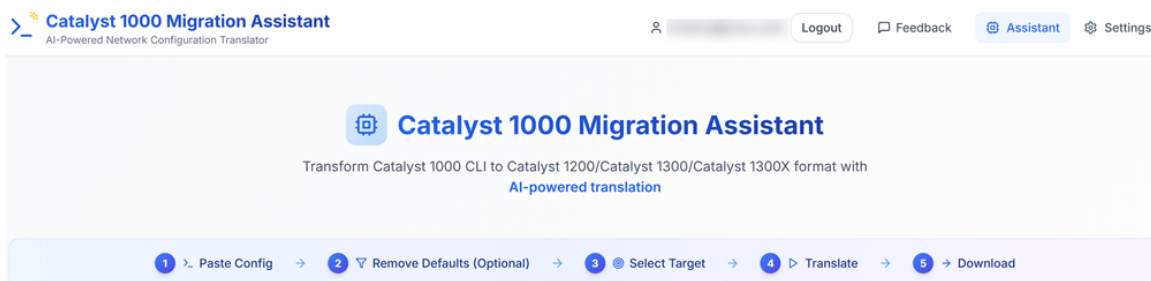
Continue with Google



Continue with Apple

Step 3

You will be redirected to the *IOS CLI Migration Assistant* user interface.



Note:

While this tool is optimized for translating Catalyst 1000 configuration files, it will provide translations for other switch model configuration files. If translating configuration files from other platforms, it is recommended to perform a thorough review of the translation results.

Step 4

Select the option to upload the existing Catalyst 1000 configuration file.

> Source Configuration

Remove Defaults Sample

C1000-Untitled-Config 

1 lines

 Upload File

Enter your C1000 CLI configuration here...

Note:

The source file must be the current configuration from the Catalyst 1000 switch that is being migrated. Take a moment to review the contents of the file uploaded to verify that the correct file was uploaded and that there isn't any missing data from the file.

Step 5

(Optional) Once you have confirmed the upload, you can press the **Remove Defaults** button. This will delete some default information that will be listed in the running configurations in IOS that are not needed.

> Source Configuration

Remove Defaults

Sample

cat1k-config 

160 lines

 Upload File

```
! Last configuration change at 07:24:47 CST Thu Oct 16 2025
!  
version 15.2  
no service pad  
service timestamps debug datetime msec  
service timestamps log datetime  
no service password-encryption  
!
```

Step 6

A popup will display what lines will be removed before it performs the translation. Click **Confirm & Remove Defaults** button to continue.

Remove Default Configuration

Review what will be removed before confirming

27 Lines to Remove

94 Lines to Keep

Configuration Preview (Red strikethrough = will be removed)

```
1 Building configuration...
2
3 Current configuration - 3837 bytes
4 !
5 Last configuration change at 07:24:47 CST Thu Oct 16 2025
6 !
7 version 15.2
8 no service pad
9 service timestamps debug datetime msec
10 service timestamps log datetime
```

Confirm & Remove Defaults

Step 7

Select the target platform and click the corresponding blue **Translate to** button. In this example, *Catalyst 1300* platform is selected.

Select Target Platform

Choose where this config should be translated to

Catalyst 1200 **Catalyst 1300** Catalyst 1300X

Translate to

Translate to Catalyst 1300

Step 8

You will see a progress indicator in the *Translation Result* pane of the tool UI. The time it takes for a translation to complete is dependent on the size and complexity of the source configuration file.

Translating Configuration... ×

Translation Progress 32%

⌚ About 31 seconds remaining

ⓘ Translation in progress
You can continue using the application. Translation results will be automatically saved.

Review and Save the Converted Output

Step 1

Once the translation is complete, you have the option to *Compare*, *Copy*, *Download*, or *Add to Evaluation* the translated configuration.

✔ **Translation Complete**
⌚ 84.96s

↔ Compare 📄 Copy ⬇ Download 📁 Add to Evaluation

Step 2

The unsupported commands are color-coded in red and an explanation is provided.

Translation Complete

84.96s

Compare

Copy

Download

Add to Evaluation

Catalyst 1300 CLI Configuration

130 lines

```
!
! Translation Summary:
The Catalyst 1300 configuration does not support the System
Configuration Dialog feature from Catalyst 1000. This feature is
interactive and not represented as a CLI block in Catalyst 1300.
Therefore, no equivalent configuration can be provided.
!
! service timestamps log datetime ! unsupported
! Translation Summary: The Catalyst 1300 platform does not support the
`service timestamps log datetime` command. There is no equivalent
configuration to enable timestamping of syslog messages with the
system clock.
```

Step 3

The **Compare** button opens a new pop-up window that compares the source configuration file to the translated file.

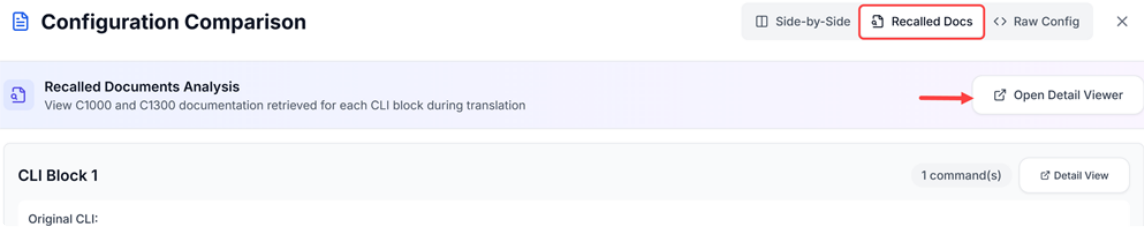
Configuration Comparison

Side-by-Side Recalled Docs Raw Config

C1000 Original Configuration 94 lines • 19 blocks	C1300 Translated Configuration 130 lines • 19 blocks
CLI Block 1 Building configuration...	CLI Block 1 The Catalyst 1300 configuration does not support the System Configuration Dialog feature from Catalyst 1000. This feature is interactive and not represented as a CLI block in Catalyst 1300. Therefore, no equivalent configuration can be provided. ! Translation Summary:
CLI Block 2 service timestamps log datetime	CLI Block 2 ! service timestamps log datetime ! unsupported ! Translation Summary: The Catalyst 1300 platform does not support the `service timestamps log datetime` command. There is no equivalent configuration to enable timestamping of syslog messages with the system clock.

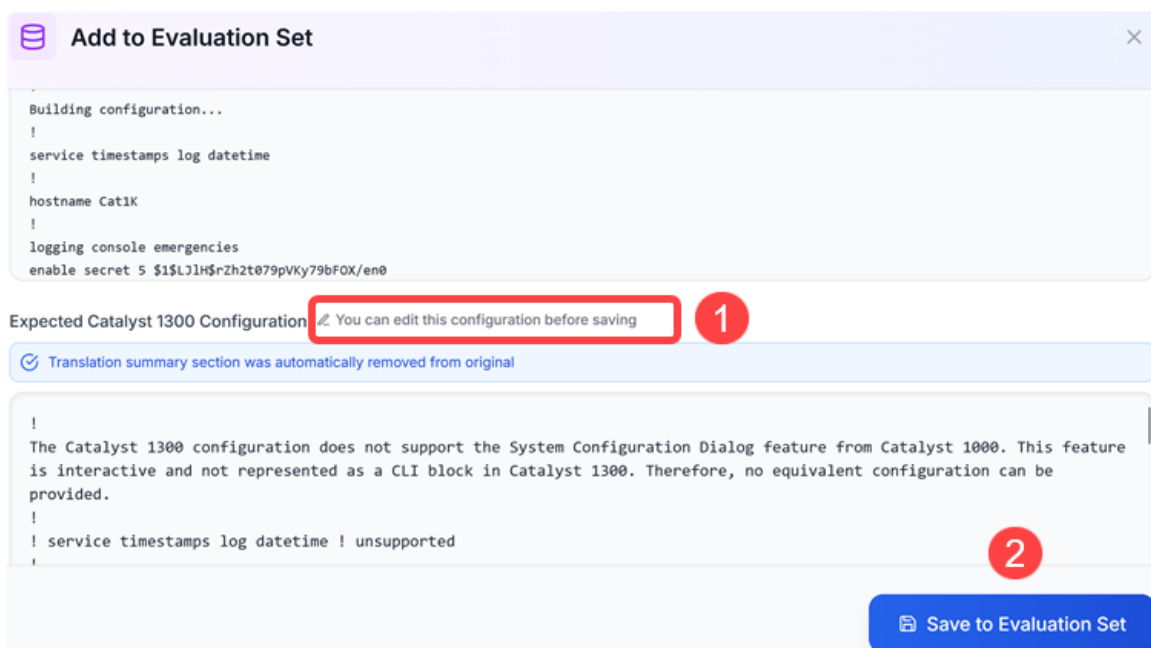
Step 4

Under *Configuration Comparison*, the **Recalled Docs** show specifically how the translation occurred and what Cisco documents were referenced for the translation. Click on **Open Detail Viewer** to see specific sections of the documents that were referenced.



Step 5

The **Add to Evaluation** button can help train and correct translation errors for the AI. You have the option to edit the translated code to correct errors and then to send that code to evaluation set to help correct translation errors.




Step 6


You also have the option to hide the translation summary. During translation, the AI adds comments in the configuration to explain sections that do not translate. While this can be useful to identify places where the translation succeeds or fails, it can make reading the code cumbersome. Hiding this may make the results easier to read.

 **Translation Complete**
⌚ 84.96s

 **Compare**

 **Copy**

 **Download**

 **Add to Evaluation**

 **Catalyst 1300 CLI Configuration** 

130 lines

Conclusion

Now you know all about the IOS conversion tool and how to use it to convert Enterprise configuration files to the Catalyst 1200, Catalyst 1300, and Catalyst 1300X configurations.

For additional information, refer to the Administration guide of the Catalyst series switches.

[Cisco Catalyst 1200 Administration Guide](#)

[Cisco Catalyst 1300 Administration Guide](#)

[Cisco Catalyst 1300X Administration Guide](#)