



## Cisco Brownfield Smart Licensing Tool User Guide

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### About the Cisco Brownfield Smart Licensing Tool

The Cisco Brownfield Smart Licensing Tool is a support tool for converting customers from traditional licensing to Cisco Smart Licensing. The Cisco Brownfield Smart Licensing Tool allows the user to search for entitlement data via serial numbers and sales order numbers. The tool enables the gathering of serial numbers from devices online in the existing network infrastructure.

### Using the Cisco Brownfield Smart Licensing Tool

#### Authenticating

When using the Cisco Brownfield Smart Licensing Tool, you will be presented with a login page. When cisco.com is reachable by Cisco Brownfield Smart Licensing Tool you must authenticate with your CCO credentials. This allows for the authentication to the CCW-O and CCW-R APIs on the back end.

If cisco.com is not reachable by Cisco Brownfield Smart Licensing Tool, then any username/password combo can be used to authenticate. In this type of environment only the network scan feature or Cisco Federal License Tool function may be used. Features that require an API call will not be available.

## Welcome to the Brownfield Smart Licensing Conversion Tool

Login with your cisco.com credentials to get started.

CCO Username:

Password:

Customer SA Domain:

[Submit](#)

*Note: The Customer SA Domain is optional for login however it aids in the generation of reports and email in later steps.*

## Understanding the main Cisco Brownfield Smart Licensing Tool workflow

After successful authentication you will be presented with the main user page as seen below.

Please select a data source from the options below

<p>SCAN NETWORK DEVICES FOR SERIAL NUMBERS</p> <p><a href="#">Next</a></p>	<p>SEARCH FOR ENTITLEMENT DATA BY SERIAL NUMBER</p> <p><a href="#">Next</a></p>	<p>SEARCH FOR ENTITLEMENT DATA BY SALES ORDER NUMBER</p> <p><a href="#">Next</a></p>
<p>SCAN DATA SUMMARY</p> <p>No scan SN Data</p> <p><a href="#">Clear</a></p>	<p>SERIAL NUMBER DATA SUMMARY</p> <p>No Webform SN Data No File SN Data</p> <p><a href="#">Clear</a></p>	<p>SALES ORDER DATA SUMMARY</p> <p>No SO Data</p> <p><a href="#">Clear</a></p>
<p>SUBMIT DATA TO CCWR</p> <p><a href="#">Total Deduplicated SNs:</a> 0</p> <p><a href="#">Submit</a></p>		

All actions performed with Cisco Brownfield Smart Licensing Tool stem from this page. The workflow begins by collecting serial numbers via one or more methods listed across the top of the screen. The serial numbers are then deduplicated and sent to CCW-R via the submit button at the bottom of the page. At any time, serial numbers from any collection method can be cleared by pressing the associated clear button beneath the collection method.

## Collecting Serial Numbers

Serial numbers can be collected using three methods:

- Live network scan
- User input (single search or CSV upload)
- Sales order number search

The Cisco Brownfield Smart Licensing Tool will aggregate all methods used for consolidated CCW-R search and report generation.

### Live Network Scan

Live network scan is supported with all versions of IOS-XE. Other software such as IOS, NX-OS, and IOS-XR are not supported at this time. When using the live network scan function, it is required that Cisco Brownfield Smart Licensing Tool have IP reachability to the network devices being scanned. Click the “SCAN NETWORK DEVICES FOR SERIAL NUMBERS” next button to begin. Upon clicking the “next” button you will be required to upload a .CSV file with the device IP address, Username, and Password. The .CSV should be formatted like the below example:

```
10.10.10.10,cisco,cisco
ipaddr,username,password
10.10.10.11,cisco,cisco
10.10.10.12,cisco,cisco
```

*Note: Using a different header name in the .CSV will result in a failure. For instance, using the word user vs. username or IP address vs. ipaddr.*

Click the browse button and select the .CSV file from your local file system and then click submit to proceed.

Import a CSV file in the format below to begin network scan

ipaddr	username	password
10.10.10.10	cisco	cisco
10.10.10.11	cisco	cisco
10.10.10.12	cisco	cisco

Select a CSV file: [Browse...](#) No file selected.

[Submit](#)

After submitting the .CSV file, you will be presented with a page to verify your login in information before beginning the scan.


Verify Network Login Information

IP Address	Username	Password
172.16.82.171	admin	Cisco123#
172.16.82.172	admin	Cisco123#
172.16.82.173	admin	Cisco123#

SUBMIT DATA TO BEGIN NETWORK SCAN

[Submit](#)

After verifying that your information is correct, begin the scan by clicking submit. You will be informed that the scan is in progress. Do not navigate away from the page or refresh. You will be redirected when the scan is complete.

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Verify Network Login Information

IP Address	Username	Password
172.16.82.171	admin	Cisco123#
172.16.82.172	admin	Cisco123#
172.16.82.173	admin	Cisco123#

SUBMIT DATA TO BEGIN NETWORK SCAN

Submit

Scanning network devices. Depending on the number of devices this could take some time.

Please do not leave or refresh the page. You will be redirected when the scan is complete.

Waiting for 177.0.0.1

Contacts

Feedback

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Site Map


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Trademarks

Upon completion of the scan, you will be redirected to the main page where you will now see the scan data summary box populated with the number of successfully scanned devices. In this example, the number is three.

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Main

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Please select a data source from the options below

SCAN NETWORK DEVICES FOR SERIAL NUMBERS

Next

SEARCH FOR ENTITLEMENT DATA BY SERIAL NUMBER

Next

SEARCH FOR ENTITLEMENT DATA BY SALES ORDER NUMBER

Next

SCAN DATA SUMMARY

Network devices scanned: 3

Clear

SERIAL NUMBER DATA SUMMARY

No Webform SN Data

No File SN Data

Clear

SALES ORDER DATA SUMMARY

No SO Data

Clear

SUBMIT DATA TO CCWR

Total Deduplicated SNs:

3

Submit

User input (single search or CSV upload)

You can search for a single serial number or search multiple serial number by clicking the next button associated with “SEARCH FOR ENTITLEMENT DATA BY SERIAL NUMBER”. Upon clicking “next” you will be presented with the serial number search function.

The screenshot shows the top navigation bar of the Cisco Brownfield Smart Licensing Conversion Tool. It includes the Cisco logo, the tool name, and links for Main, FLT, Help, and Logout. Below the navigation bar is a search instruction: "Search a single serial number or upload a .csv file containing serial numbers". The main search area contains two options: a text input field for serial numbers (with a magnifying glass icon) and a file upload section with a "Browse..." button and a "Submit" button. The text input field contains the serial number "FCW2234E01P". The file upload section shows "No file selected". At the bottom of the page is a blue footer bar with links for Contacts, Feedback, Help, Site Map, Terms & Conditions, Privacy Statement, Cookie Policy, and Trademarks.

Enter one or more Serial Numbers, with each SN separated by a comma:

Select a CSV file:  No file selected.

Contacts Feedback Help Site Map Terms & Conditions Privacy Statement Cookie Policy Trademarks

You can search an individual serial number by entering it into the text box on the left side of the page and clicking the magnifying glass on the left side of the box.

You can search for multiple serial numbers by uploading a .CSV file using the browse button and clicking the associated “submit” button.

Please note that the CSV file can have multiple columns with non-serial data; however, there must be at least one column with the word ‘serial’ in the header. If there is more than one column with the word ‘serial’ in the header, the tool will only analyze the first column.

Search a single serial number or upload a .csv file containing serial numbers

Enter one or more Serial Numbers, with each SN separated by a comma:

Select a CSV file: [Browse...](#) test\_data\_750.csv

Submit

At the completion of either search you will be redirected to the main page and the number of imported serial numbers will be displayed in the “SERIAL NUMBER DATA SUMMARY”. In this example we have imported 750 serial numbers. One from the input box and 749 from the .CSV import.

Please select a data source from the options below

SCAN NETWORK DEVICES FOR SERIAL NUMBERS

Next

SEARCH FOR ENTITLEMENT DATA BY SERIAL NUMBER

Next

SEARCH FOR ENTITLEMENT DATA BY SALES ORDER NUMBER

Next

SCAN DATA SUMMARY

Network devices scanned: 3

Clear

SERIAL NUMBER DATA SUMMARY

Webform input SN count: 1

CSV input SN count: 749

Clear

SALES ORDER DATA SUMMARY

No SO Data

Clear

SUBMIT DATA TO CCWR

Total Deduplicated SNs:

716

Submit

*Note: The total deduplicated serial numbers show a total of 716. This is because our network scan data and serial number search contained duplicates.*

## Sales order number search

Finally, you can search by sales order number by clicking the ‘next’ button associated with the “SEARCH FOR ENTITLEMENT DATA BY SALES ORDER NUMBER”. When you click the next button, you will be presented with the sales order search function.

The screenshot shows the 'Sales order number search' interface of the Cisco Brownfield Smart Licensing Conversion Tool. At the top, the Cisco logo and the tool name are on the left, and navigation links for 'Main', 'FLT', 'Help', and a 'Logout' button are on the right. The main heading is 'Search a single sales order number or multiple sales orders', followed by the instruction 'Multiple sales orders should be comma separated'. Below this is a search instruction: 'Enter one or more Sales Order Numbers, with each SO separated by a comma:'. A search input box contains the text '106620939,107280782,107204872' and a magnifying glass icon on the left. At the bottom, a blue footer bar contains links for 'Contacts', 'Feedback', 'Help', 'Site Map', 'Terms & Conditions', 'Privacy Statement', 'Cookie Policy', and 'Trademarks'. On the far left of the footer, it says 'Waiting for 177.0.0.1...'.

You can search for a single sales order number or for multiple sales order numbers. When searching for multiple sales orders, sales order numbers should be comma separated. The search can be submitted by clicking the magnifying glass on the left side of the text box. Sales order search results will be displayed on the sales order results page.



## Add/Remove SO Data:

Add SO SNs to Search Data

Clear SO Data

The SOs that have been successfully retrieved are: 106620939 107280782 107204872

The SOs that have been **UNSUCCESSFULLY** retrieved are:

## CCW Sales Order Returned Data:

Sales Order Number	Line Number	Part Number	Quantity
106620939	1.1	WS-C3560CX-8TC-S	4
107204872	1.1	C9300-48T-E	2
107204872	1.1.10	PWR-C1-350WAC/2	2
107204872	1.1.14	STACK-T1-50CM	2
107204872	1.1.18	C9300-NM-SX	2
107204872	1.1.8	PWR-C1-350WAC	2
107204872	2.1	UCSB-B200-M4-U	4
107204872	2.1.11	UCSB-MLOM-40G-01	4

At this point you have the option to clear the data or add it to the overall search results. If you click the “Add SO SNs to Search Data” button you will be redirected to the main page with the new deduplicated and aggregated data. In this example we now have 2,868 serial numbers that we are ready to search.

## Please select a data source from the options below

SCAN NETWORK DEVICES FOR SERIAL NUMBERS

Next

SEARCH FOR ENTITLEMENT DATA BY SERIAL NUMBER

Next

SEARCH FOR ENTITLEMENT DATA BY SALES ORDER NUMBER

Next

## SCAN DATA SUMMARY

Network devices scanned: 3

Clear

## SERIAL NUMBER DATA SUMMARY

Webform input SN count: 1  
CSV input SN count: 749

Clear

## SALES ORDER DATA SUMMARY

SOs '106620939', '107280782',  
'107204872' were searched,  
returning 2152 serial numbers.

Clear


## SUBMIT DATA TO CCWR

1 Total Deduplicated SNs:  
2868

Submit

## Search Results

Clicking the “submit” button associated with the “Submit Data to CCWR” box will result in all aggregated serial numbers being sent to CCW-R. This search will return the results on screen and in a .CSV format.


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CCWR Data Downloads:

[CCW Raw Data](#)
[Cat 3K License Report](#)
[Open a Case with Cisco Licensing](#)

CCWR Returned Data:

Product Number	Product Description	Serial Number	Parent Serial Number	Instance Number	Sales Order Number	End Customer Name
N20-B6740-2=	UCS B440 M1 Blade Server w/o CPU, memory, HDD	N/A	N/A	1054894308	REPLACE	HP-NAVY
N2200-PAC-400W=	N2K/3K 400W AC Power Supply, Std airflow (Por	N/A	N/A	1063572291	-1	INTERNET INITIATIVE JAPAN INC
POM-OC3-SMLR=	1-port OC3/STM1 Pluggable Optic Module; SM-LR	N/A	N/A	1086931251	-1	AT&T COMUNICACIONES DIGITALES
N7K-M108X2-12L=	Nexus 7000 - 8 Port 10GbE with XL option (req	N/A	N/A	1112925698	-1	INTERNET INITIATIVE JAPAN INC
7300-FANMODULE=	Cisco 7300 Fan Module Spare	N/A	N/A	1127885907	-1	ZON TV CABO PORTUGAL S A
UCS-FI-6296UP=	UCS 6296UP 2RU FI/O PSU/O Fan/O DC - SPARE FO	N/A	N/A	1225333211	-1	ORANGE DATACENTER NORMANDIE
MEM-CF-256MB=	256MB Compact Flash for Cisco 1900; 2900; 390	N/A	N/A	1259204233	REPLACE	INTERNET INITIATIVE JAPAN INC
IDS-RAIL-4=	4 post Rail Kits for the IDS 4235/4250 Sensor	N/A	N/A	1270133928	-1	PALM BEACH COUNTY
SFP-OC3-MM=	OC3/STM1 SFP, Multi-mode fiber	N/A	N/A	1274677630	-1	INTERNET INITIATIVE JAPAN INC
AIR-AP1262N-N-K9	802.11a/g/n Standalone AP; Ext Ant; N Reg Dom	N/A	N/A	1278141623	-1	AT&T COMUNICACIONES DIGITALES

The raw search data can be downloaded in a .CSV format by clicking on the “CCW Raw Data” button. If you are working an entitlement issue for Cisco Catalyst 3K products you can download a specific report for Cisco Catalyst 3K products only by clicking the “Cat 3K License Report” button.

*Note: Any product not associated with the Catalyst 3K product family will not appear in the “Cat 3K License Report”. The “CCW Raw Data” report should be downloaded for all other products.*

Clicking the “Open a Case with Cisco Licensing” button will open up your default email client with an email template that can be used to submit a case with the Cisco Licensing team for smart licensing conversion. You will need to attach either the “CCW Raw Data” or “Cat 3K License Report” to this email before sending.