

Pre-Activities

Before exporting new mac addresses, cleanup the _Deletion_Group MAB group:

In ISE navigate to **Administration > Identity Management > Groups** and under **Endpoint Identity Groups**, open **_Deletion_Group**.

Identity Groups

- Endpoint Identity Groups
 - AE-DUB-MAB
 - AT-VIE-MAB
 - AU-SYD-MAB
 - BE-ANT-MAB
 - BE-WAR-MAB
 - Blocked List
 - BR-SAO-MAB
 - CA-OAK-MAB
 - CH-REG-MAB
 - CN-BEI-MAB
 - CZ-HAV-MAB
 - CZ-KAR-MAB
 - CZ-PRA-MAB
 - DE-DUS-MAB
 - DK-ALL-MAB
 - DK-HRS-MAB
 - EE-TAL-MAB
 - ES-MAD-MAB
 - FI-HEL-MAB
 - FI-MIK-MAB
 - FR-LIN-MAB
 - GB-DUN-MAB
 - GB-OLD-MAB
 - GuestEndpoints
 - HU-BUD-MAB
 - IT-GAL-MAB
 - JP-TOK-MAB
 - LT-VIL-MAB
 - MY-BK-MAB
 - MY-KH-MAB
 - MY-KK-MAB

Endpoint Identity Groups

	Name	Description
<input type="checkbox"/>	TH-BAN-MAB-OFFICE	MAB White
<input type="checkbox"/>	TH-BAN-MAB-PROD	MAB White
<input type="checkbox"/>	TH-BNK-MAB	MAB White
<input type="checkbox"/>	TH-BNK-MAB-CCTV	MAB White
<input type="checkbox"/>	TH-BNK-MAB-IOT	MAB White
<input type="checkbox"/>	TH-BNK-MAB-IPPHONE	MAB White
<input type="checkbox"/>	TH-BNK-MAB-PRINTER	MAB White
<input type="checkbox"/>	TH-BNK-MAB-UPS	MAB White
<input type="checkbox"/>	TH-CHO-MAB	MAB White
<input type="checkbox"/>	TH-CHO-MAB-OFFICE	MAB white
<input type="checkbox"/>	TH-CHO-MAB-PROD	MAB white
<input type="checkbox"/>	Trendnet-Device	Identity Gr
<input type="checkbox"/>	US-AND-MAB	MAB white
<input type="checkbox"/>	US-AND-MAB-OFFICE	MAB white
<input type="checkbox"/>	US-AND-MAB-PROD	MAB white
<input type="checkbox"/>	US-BOS-MAB	MAB white
<input type="checkbox"/>	US-BOS-MAB-OFFICE	MAB white
<input type="checkbox"/>	US-BOS-MAB-PROD	MAB white
<input type="checkbox"/>	US-BRU-MAB	MAB white
<input type="checkbox"/>	US-BRU-MAB-OFFICE	MAB white
<input type="checkbox"/>	US-BRU-MAB-PROD	MAB white
<input type="checkbox"/>	US-NOR-MAB	MAB white
<input type="checkbox"/>	US-NOR-MAB-OFFICE	MAB white
<input type="checkbox"/>	US-NOR-MAB-PROD	MAB White
<input type="checkbox"/>	Unknown	Unknown I
<input type="checkbox"/>	Vizio-Device	Identity Gr
<input type="checkbox"/>	Windows11-Workstation	Identity Gr
<input type="checkbox"/>	Workstation	Identity Gr
<input type="checkbox"/>	_Deletion_Group	MAB group

The mac addresses should now be present here.

Endpoint Identity Group List > [_Deletion_Group](#)

Endpoint Identity Group

* Name

Description

Parent Group

Identity Group Endpoints



Add



Remove ▾

	MAC Address	Static Group Assignment	Endpoint Profile
<input type="checkbox"/>	08:94:EF:0F:82:A9	true	Unknown

Click on **Remove > Remove All**.

Removal of Mac addresses

Now we can proceed to export new addresses.

in to Cisco ISE and navigate to **Context Visibility > Endpoints**.

We are now going to export all devices that are part of a mab group.

To get the full list of all devices:

1. find the column **Identity Group**, and filter on **mab**.
2. Edit Rows/Page to **500**
3. Mark all for this page
4. Move to the next page and repeat 3 and 4
5. Repeat 3 and 4 until the **selected across pages** match the total rows on point 4
6. Click on **Export > Export Selected**.

Note! If no file is being generated, try to decrease the amount selected to 1000-1500 and export into two files, and later combine them.

Identity Services Engine Home Context Visibility Operations Policy Administration Work Centers

License Warning

Endpoints Users Network Devices Application

Filters: mab Save filters Clear all filters

Authentication BYOD Compliance Compromised Endpoints Endpoint Classification Guest Vulnerable Endpoints Hardware

INACTIVE ENDPOINTS AUTHENTICATION STATUS NETWORK DEVICES

5 56 selected on page (2056 across pages)

6 Export Import MDM Actions Release Rejected Revoke Certificate

3 4 Rows/Page 500 5 / 5 Go 2056 Total Rows

1 Identity Group mab

MAC Address	Status	IP Address	Username	User	Location	Endpoint Profile	Authentication Failure Reason	Authentication Policy	Authorization Policy	Authentication	
E8:8A:64:E4:6A:20	*L	10.245.141.137	PF1nBLZH...	pf1nblzh.mhc...	FI-MIK	Unknown	FI-MIK-MAB-OFFICE	-	MHC Client Auth	MHC Client	x509_PKI
E8:8A:64:E4:6A:23	*L	10.245.141.129	e88a64e46a23		FI-MIK	FreeBSD-Workstation	FI-MIK-MAB-OFFICE	15039 Rejected per authorization p...	Default	Default	Lookup
EC:43:F6:6F:7F:A9	*L		ec43f66f7fa9		AT-VIE	Unknown	AT-VIE-MAB-PRINTER	15039 Rejected per authorization p...	Default	Default	Lookup
EC:8E:B5:25:0D:6A	*L	10.245.125.58	EC-8E-B5-25...		AU-SYD	HP-Color-LaserJet-Pri...	AU-SYD-MAB-PRINTER	-	Default	MHC MAB	Lookup
EC:B1:D7:4E:DC:20	*L	192.168.1.101	EC-B1-D7-4...		MY-KK	FreeBSD-Workstation	MY-KK-MAB-PROD	-	Default	MHC MAB	Lookup
EC:B1:D7:54:48:AE	*L	192.168.1.100	EC-B1-D7-54...		MY-KK	FreeBSD-Workstation	MY-KK-MAB-PROD	-	Default	MHC MAB	Lookup
EC:B1:D7:F7:5B:81	*L	10.245.65.24	EC-B1-D7-F7...		US-NOR	HP-OfficeJet-Printer	US-NOR-MAB-OFFICE	15039 Rejected per authorization p...	Default	Default	Lookup
F0:92:1C:63:E5:5D	*L	10.245.120.39	F0-92-1C-63...		CZ-KAR	HP-LaserJet-Printer	CZ-KAR-MAB-OFFICE	-	Default	MHC MAB clean-rule	Lookup
F0:9F:FC:30:12:6D	*L	10.245.134.25	F0-9F-FC-30...		JP-TOK	Unknown	JP-TOK-MAB-PRINTER	-	Default	APAC-PRINTER	Lookup
F4:4D:30:65:3F:8A	*L		f44d30653f8a		BE-WAR	Unknown	BE-WAR-MAB-PROD	15039 Rejected per authorization p...	Default	Default	Lookup
F4:54:33:AD:E3:CD	*L	10.242.47.27	f45433ade3cd		US-BOS	FreeBSD-Workstation	US-BOS-MAB-PROD	15039 Rejected per authorization p...	Default	Default	Lookup
F4:81:39:AA:6A:E1	*L	10.245.140.89	F4-81-39-AA...		FI-MIK	Canon-Device	FI-MIK-MAB-PROD	-	Default	MHC MAB prod clean-r...	Lookup
F4:81:39:C4:68:BE	*L	10.245.122.250	F4-81-39-C4...		CZ-KAR	Canon-Device	CZ-KAR-MAB-OFFICE	-	Default	MHC MAB	Lookup
F4:81:39:C8:35:3E	*L	10.245.122.44	F4-81-39-C8...		CZ-KAR	Canon-Device	CZ-KAR-MAB-OFFICE	-	Default	MHC MAB	Lookup

Move the file(s) to your local computer and open the csv (if you have multiple files open them and add the rows from one file to the other so you have one complete file.)

Open the csv file, and select column **A**, and then go to the **Data** tab, and select **ext to columns**. Make sure that **Delimited** is selected, and click on **Next**.

Convert Text to Columns Wizard - Step 2 of 3

This screen lets you set the delimiters your data contains. You can see how your text is affected in the preview below.

Delimiters

☒ Tab
☐ Semicolon
☒ Comma
☐ Space
☐ Other:

☐ Treat consecutive delimiters as one

Text qualifier:

Data preview

MACAddress	EndPointPolicy	IdentityGroup
08:94:EF:0F:82:A9	Nortel-Device	FI-MIK-MAB
08:3A:88:69:2E:6F	Unknown	FI-MIK-MAB-PRO
00:4F:49:0D:0B:2C	Unknown	CZ-KAR-MAB-OFF
00:C0:B7:F5:24:62	American-Power-Conversion-Device	CZ-HAV-MAB-PRO

Cancel < Back Next > Finish

Now select **Row 1**, and click on **Filter**

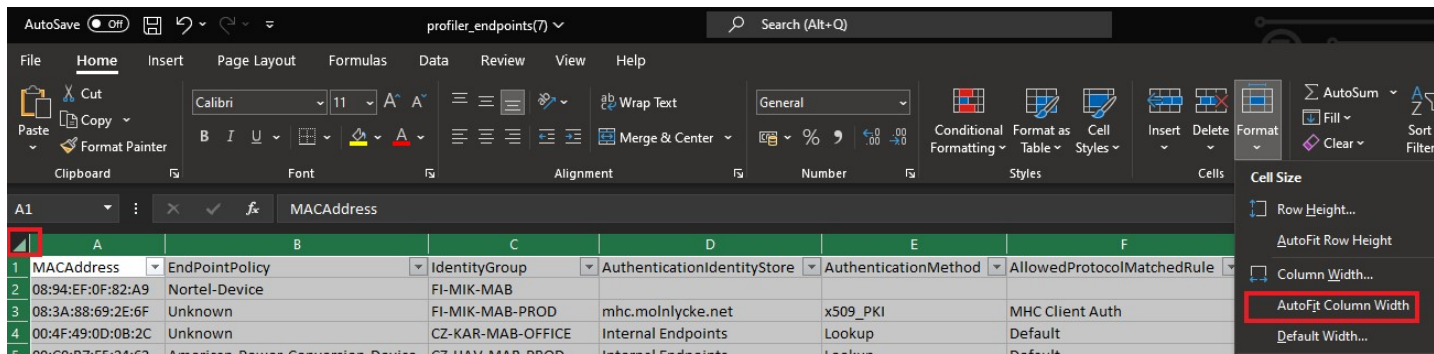
File Home Insert Page Layout Formulas Data Review View Help

Get Data Text/CSV From Web From Table/Range Recent Sources Existing Connections Refresh All Queries & Connections Properties Edit Links Stocks (En... Currencies... Geography... Sort Filter Clear Reapply Advanced

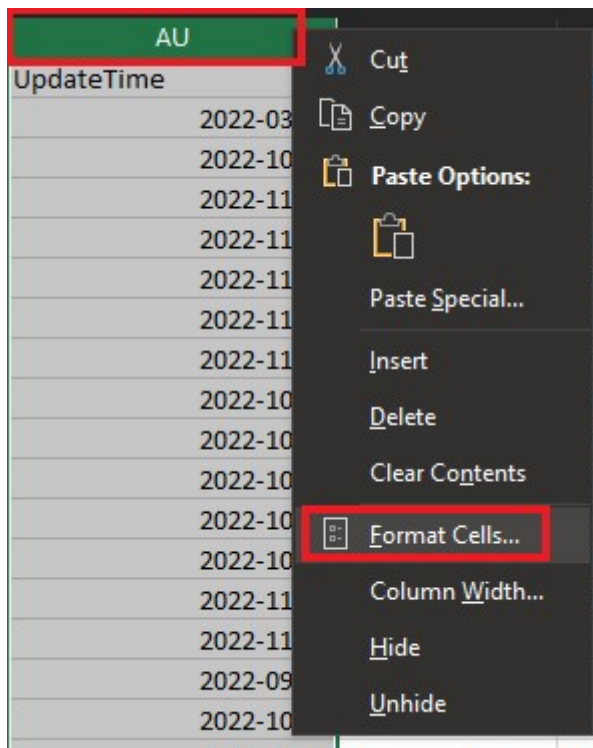
Get & Transform Data Queries & Connections Data Types Sort & Filter

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	MACAddress	EndPointPolicy	IdentityGroup	Authentication	Authentication	Allowed	Authorization	Selected	Device	Device	Device	Device	Email	ip	ip	First
2	08:94:EF:0F:82:A9	Nortel-Device	FI-MIK-MAB					Productio	NotRegist	Unknown						
3	08:3A:88:69:2E:6F	Unknown	FI-MIK-MAB-PRO	mhc.moln	x509_PKI	MHC Clie	MHC Clie	PermitAcc	workstat	NotRegist	Unknown	Device Type	#All Dev	10.245.141.137		
4	00:4F:49:0D:0B:2C	Unknown	CZ-KAR-MAB-OFF	Internal E	Lookup	Default	Default	DenyAcce	PC	NotRegist	Unknown	Device Type	#All Dev	10.245.122.21		

Tip! to make the document more readable, you can click on the top left corner, and go to **Home > Format > AutoFit Column Width**. This way all columns will be appropriate width.



Find the column **UpdateTime**, and highlight the column and right click, and select **format cells**.



Select **Date**, and select a date-only format.

Format Cells

? X

Number Alignment Font Border Fill Protection

Category:

- General
- Number
- Currency
- Accounting
- Date**
- Time
- Percentage
- Fraction
- Scientific
- Text
- Special
- Custom

Sample

2023-03-30

Type:

- *2012-03-14
- *den 14 mars 2012
- 2012-03-14**
- 2012-03-14 13:30
- 12-03-14
- 12-03-14 13:30
- 14-3 2012

Locale (location):

Swedish (Sweden)

Date formats display date and time serial numbers as date values. Date formats that begin with an asterisk (*) respond to changes in regional date and time settings that are specified for the operating system. Formats without an asterisk are not affected by operating system settings.

OK Cancel

Next we need to clean up the data, copy the whole column and paste into a text editor (Notepad++ or Sublime etc. In Notepad++ hold down Alt and select dates)
Remove the info on each row after the date, or only select the date, so we only have the date.

UpdateTime • - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Pr

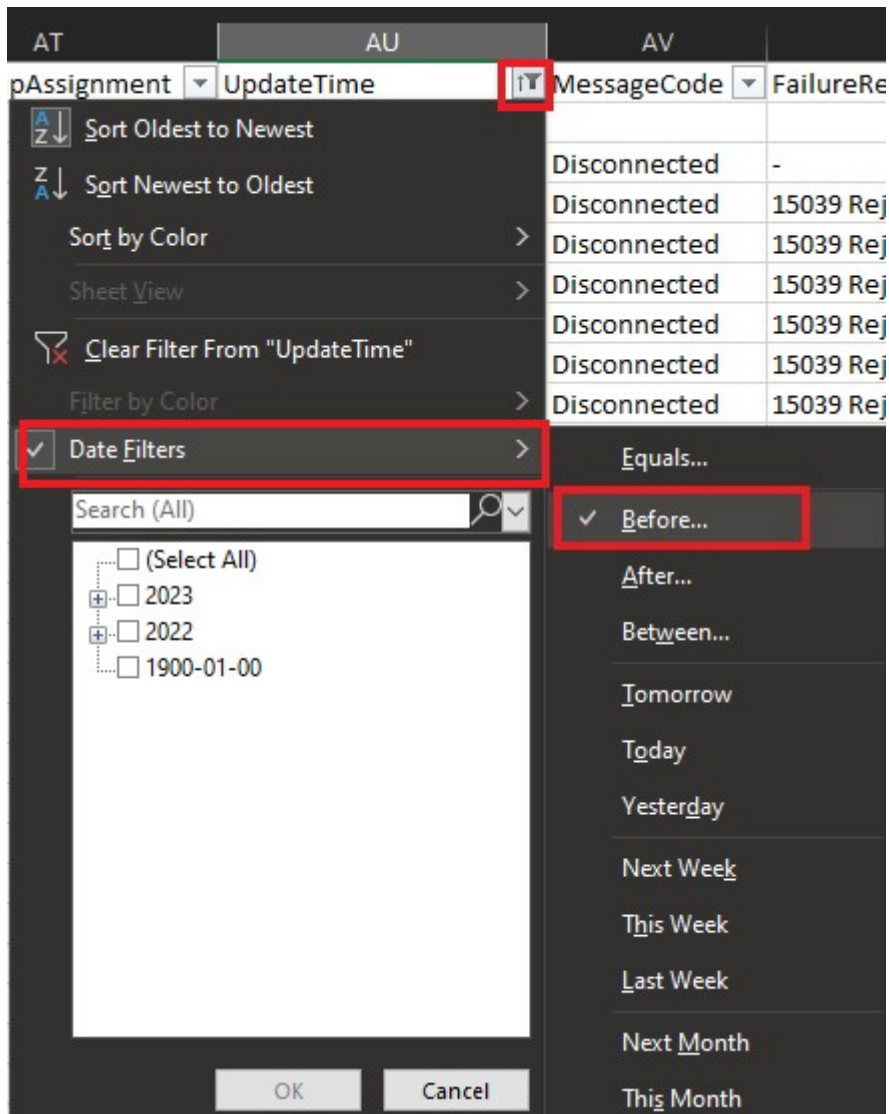
UpdateTime

1	UpdateTime	
2	2022-03-11	12:43:17+0000
3	2022-10-19	13:52:55+0000
4	2022-11-30	15:38:12+0000
5	2022-11-17	11:23:10+0000
6	2022-11-17	11:23:11+0000
7	2022-11-17	11:25:39+0000
8	2022-11-17	11:23:11+0000
9	2022-10-20	23:28:34+0000
10	2022-10-20	23:28:34+0000
11	2022-10-18	13:13:20+0000
12	2022-10-18	14:47:23+0000
13	2022-10-19	12:24:54+0000
14	2022-11-17	11:23:11+0000
15	2022-11-17	11:23:10+0000
16	2022-09-29	12:08:33+0000
17	2022-10-23	08:01:54+0000
18	2022-06-16	07:12:38+0000
19	2022-10-19	13:52:44+0000
20	2022-10-20	11:20:40+0000
21	2022-11-17	11:23:10+0000

Paste this information back in the column.

Now we want to filter all data that has not been visible in the past 3 months.

Select the **Date Filters > Before**



Select a date 3 months back in time, and press **OK**.

Custom Autofilter

Show rows where:

UpdateTime

is before 2023-01-01

☒ And ☐ Or

Use ? to represent any single character
Use * to represent any series of characters

OK Cancel

These mac addresses now filtered will need to be removed.

Removal of Mac addresses from MAB

Open the file MAB Deletion template.csv (located under "Dokument" in this SOP) in a text editor (opening and editing in Excel breaks the file so ISE can't read it properly.)

The file will look like this:

```
MAB Deletion template.csv
MACAddress,EndPointPolicy,IdentityGroup,Description,Location
##ADD_MAC_ADDRESS_HERE##,,_Deletion_Group,,
##ADD_MAC_ADDRESS_HERE##,,_Deletion_Group,,
##ADD_MAC_ADDRESS_HERE##,,_Deletion_Group,,
##ADD_MAC_ADDRESS_HERE##,,_Deletion_Group,,
##ADD_MAC_ADDRESS_HERE##,,_Deletion_Group,,
##ADD_MAC_ADDRESS_HERE##,,_Deletion_Group,,
```

Add the mac addresses on each row instead of **##ADD_MAC_ADDRESS_HERE##**.

Note to only have the number of rows for the amount of mac addresses. Add more rows if needed.

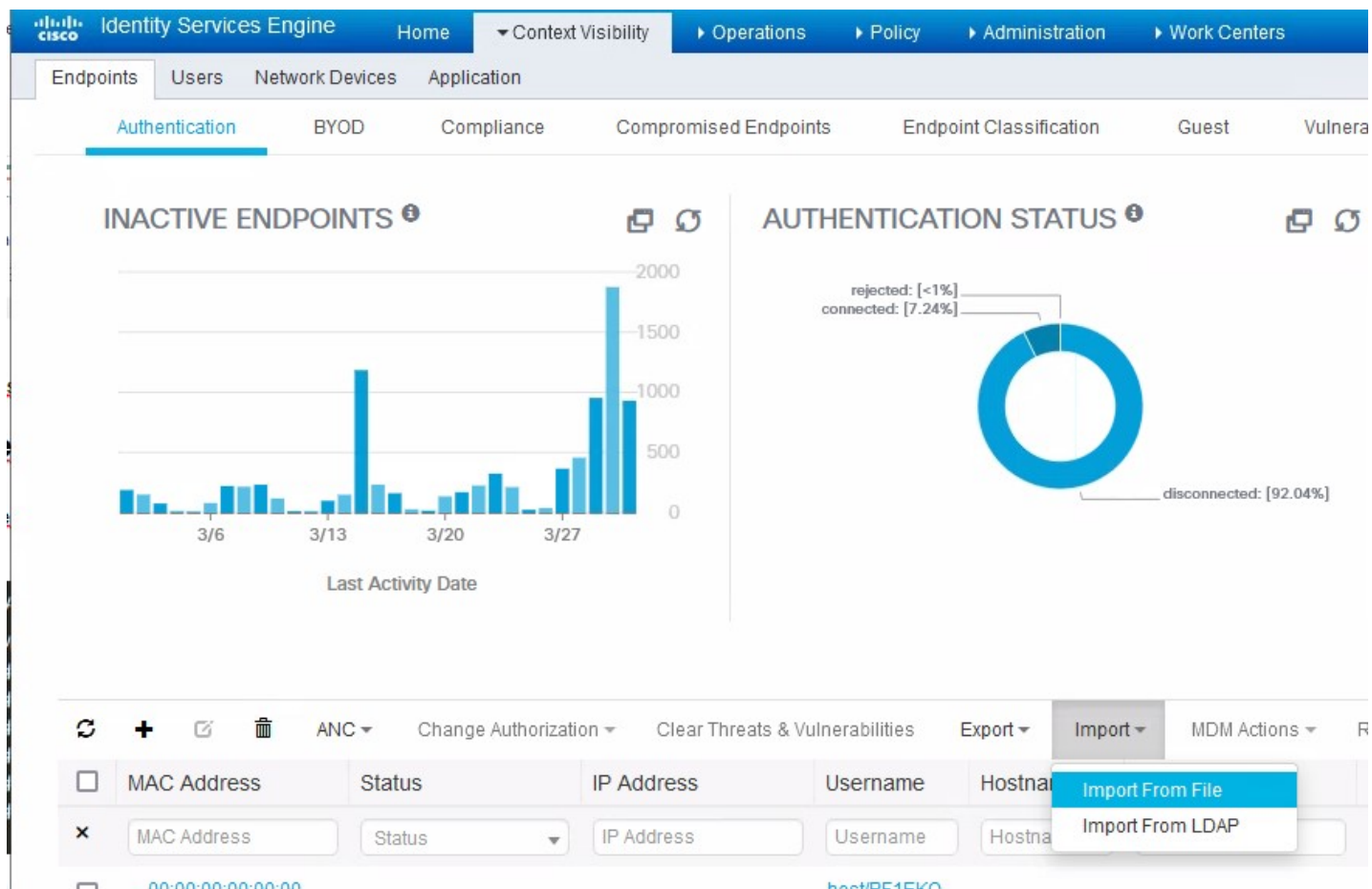
Example on how it might look after mac addresses:

```
MAB Deletion template.csv
1  MACAddress,EndPointPolicy,IdentityGroup,Description,Location
2  08:94:EF:0F:82:A9,,_Deletion_Group,,
3  08:3A:88:69:2E:6F,,_Deletion_Group,,
4  00:4F:49:0D:0B:2C,,_Deletion_Group,,
5
6  |
```

Save this as a new file with the naming: **MAB Deletion -#todaysdate** (example **MAB Deletion - 230331**) in **X:\iPlace\iPlace-Security\iTrust\MOHECA**.

This will now be imported to ISE.

To import, click on **Import >Import from file**



Select the file and click **Submit**.

Import Endpoints from CSV file



Select file to import:

* File

Bläddra... MAB Deletion - 230331.csv

[Generate a Template](#)

Note: The maximum allowed file size is 20MB.

The maximum number of endpoints allowed to import is 250K.

Use a comma-delimited text file.

Submit

Close

A popup will display the result:



Out of 1 endpoints presented, 0 endpoint(s) have been imported successfully. 1 endpoints have been updated successfully. Please select file to import or click Cancel to see list of endpoints imported.

OK

We want to make sure there are no errors, and that 0 endpoints has been imported, but the amount of endpoints in the file has been **updated**.

To verify, in ISE navigate to **Administration > Identity Management > Groups** and under **Endpoint Identity Groups**, open **_Deletion_Group**.

The mac addresses should now be present here.

Endpoint Identity Group List > [_Deletion_Group](#)

Endpoint Identity Group

* Name

Description

Parent Group

Identity Group Endpoints



Add



Remove ▾

	MAC Address	Static Group Assignment	Endpoint Profile
<input type="checkbox"/>	08:94:EF:0F:82:A9	true	Unknown

We will not delete them directly, but leave them here for next 3 month period and we will remove them before importing new.

To remove them, click on **Remove > Remove selected/All** (either works as we will probably remove all in the group).