

Caller ID Blocking

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Restrictions for Caller ID Blocking

Caller ID blocking on outbound calls does not apply to PSTN calls through foreign exchange office (FXO) ports. Caller ID features on FXO-connected subscriber lines are under the control of the PSTN service provider, who may require you to subscribe to their caller ID blocking service.

Information About Caller ID Blocking

Caller ID Blocking on Outbound Calls

Phone users can block caller-ID displays on calls from a particular ephone-dn, or you can selectively choose to block the name or number on outbound calls from a particular dial peer.

The display of caller ID information for outgoing calls from a particular ephone-dn can be blocked on a per-call basis, allowing users to maintain their privacy when necessary. The system administrator defines a code for caller ID blocking in Cisco Unified CME. Users then dial the code before making any call on which they do not want their number displayed on the called-party phone. The caller ID is sent, but its presentation parameter is set to “restricted” so that the caller ID is not displayed.

Blocking CLID displays for local calls from a particular extension tells the far-end gateway device to block display of calling-party information for the calls received from this ephone-dn.

Alternatively, you can allow the local display of CLID information and independently block the CLID name or number on outbound VoIP calls. This configuration has the benefit of allowing caller-ID display for local calls while preventing caller-ID display for external calls going over VoIP. This feature can be used for PSTN calls that go out over ISDN.

Configure Caller ID Blocking

Block Caller ID For All Outbound Calls on SCCP Phones

To block the CLID name or number on outbound VoIP calls from a particular dial peer, perform the following steps.

Restriction

- Caller ID continues to be displayed for local calls. To block caller ID display on all outbound calls from a particular directory number, use the **caller-id block** command. See Block Caller ID From a Directory Number on SCCP Phones, on page 3 or Verify Caller ID Blocking, on page 4.

SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **dial-peer voice** *tag* [**pots** | **voip**]
4. **clid strip**
5. **clid strip name**
6. **end**

DETAILED STEPS

Procedure

	Command or Action	Purpose
Step 1	**enable** **Example:** `Router> enable`	Enables privileged EXEC mode. • Enter your password if prompted.
Step 2	**configure terminal** **Example:** `Router# configure terminal`	Enters global configuration mode.
Step 3	**dial-peer voice** *tag* [**pots**	**voip**] **Example:** `Router(config)# dial-peer voice 3 voip`	Enters dial-peer configuration mode. **Note** You can configure caller-ID blocking on POTS dial peers if the POTS interface is ISDN. This feature is not available on FXO/CAS lines.
Step 4	**clid strip** **Example:** `Router(config-dial-peer)# clid strip`	(Optional) Removes the calling-party number from the CLID information being sent with VoIP calls.

	Command or Action	Purpose
Step 5	**clid strip name** **Example:** `Router(config-dial-peer)# clid strip name`	(Optional) Removes the calling-party name from the CLID information being sent with VoIP calls.
Step 6	**end** **Example:** `Router(config-dial-peer)# end`	Returns to privileged EXEC mode.

Block Caller ID From a Directory Number on SCCP Phones

To define a code that phone users can dial to block caller ID display on selected outbound calls from a particular directory number or to block caller ID display on all calls from a directory number, perform the following steps.

SUMMARY STEPS

1. **enable**
2. **configure terminal**
3. **telephony-service**
4. **caller-id block code** *code-string*
5. **exit**
6. **ephone-dn** *dn-tag*
7. **caller-id block**
8. **end**

DETAILED STEPS

Procedure

	Command or Action	Purpose
Step 1	**enable** **Example:** `Router# enable`	Enables privileged EXEC mode. • Enter your password if prompted.
Step 2	**configure terminal** **Example:** `Router# configure terminal`	Enters global configuration mode.
Step 3	**telephony-service** **Example:** `Router(config)# telephony-service`	Enters telephony-service configuration mode.

	Command or Action	Purpose
Step 4	**caller-id block code** *code-string* **Example:** `Router(config-telephony)# caller-id block code *1234`	(Optional) Defines a code that users can enter before making calls on which the caller ID should not be displayed. • *code-string*—Digit string of up to 16 characters. The first character must be an asterisk (*).
Step 5	**exit** **Example:** `Router(config-telephony)# exit`	Exits telephony-service configuration mode.
Step 6	**ephone-dn** *dn-tag* **Example:** `Router(config)# ephone-dn 3`	Enters ephone-dn configuration mode.
Step 7	**caller-id block** **Example:** `Router(config-ephone-dn)# caller-id block`	(Optional) Blocks display of caller-ID information for all outbound calls that originate from this directory number. This command can also be configured in ephone-dn-template configuration mode and applied to one or more directory number. The ephone-dn configuration has priority over the ephone-dn-template configuration.
Step 8	**end** **Example:** `Router(config-dial-peer)# end`	Returns to privileged EXEC mode.

Verify Caller ID Blocking

Procedure

Use the **show running-config** command to display caller ID blocking parameters, which may appear in the telephony-service, ephone-dn, or dial-peer portions of the output.

Example:

```
Router# show running-config

dial-peer voice 450002 voip
 translation-profile outgoing 457-456
 destination-pattern 457
 session target ipv4:10.43.31.81
 dtmf-relay h245-alphanumeric
 codec g711ulaw
 no vad
 clid strip
!
telephony-service
 fxo hook-flash
```

```
 load 7960-7940 P00305000600
 load 7914 S00103020002
 max-ephones 100
 max-dn 500
 ip source-address 10.115.34.131 port 2000
 max-redirect 20
 no service directed-pickup
 timeouts ringing 10
 system message XYZ Company
 voicemail 7189
 max-conferences 8 gain -6
 moh music-on-hold.au
 caller-id block code *1234
 web admin system name cisco password cisco
 dn-webedit
 time-webedit
 transfer-system full-consult
 transfer-pattern 92......
 transfer-pattern 91..........
 transfer-pattern 93......
 transfer-pattern 94......
 transfer-pattern 95......
 transfer-pattern 96......
 transfer-pattern 97......
 transfer-pattern 98......
 transfer-pattern .T
 secondary-dialtone 9
 after-hours block pattern 1 91900 7-24
 after-hours block pattern 2 9976 7-24
!
 create cnf-files version-stamp 7960 Jul 13 2004 03:39:28
!
ephone-dn  2  dual-line
 number 126
 preference 1
 call-forward busy 500
 caller-id block
```

Configuration Examples for Caller ID Blocking

Example for Configuring Caller ID Blocking Code

The following example defines a code of *1234 for phone users to enter to block caller ID on their outgoing calls:

```
telephony-service
 caller-id block code *1234
```

Example for Configuring Caller ID Blocking for Outbound Calls from a Directory Number on SCCP Phones

The following example sets CLID blocking for the ephone-dn with tag 3.

```
ephone-dn 3
 number 2345
 caller-id block
```

The following example blocks the display of CLID name and number on VoIP calls but allows CLID display for local calls:

```
ephone-dn 3
 number 2345
dial-peer voice 2 voip
 clid strip
 clid strip name
```

Feature Information for Caller ID Blocking

The following table provides release information about the feature or features described in this module. This table lists only the software release that introduced support for a given feature in a given software release train. Unless noted otherwise, subsequent releases of that software release train also support that feature.

Use Cisco Feature Navigator to find information about platform support and Cisco software image support. To access Cisco Feature Navigator, go to https://cfnng.cisco.com/. An account on Cisco.com is not required.

Table 1: Feature Information for Caller ID Blocking

Feature Name	Cisco Unified CME Version	Feature Information
Caller ID Blocking	3.0	Caller ID blocking per local call was introduced.
	1.0	Caller ID blocking for outbound calls was introduced.