



Digest authentication for SIP phones setup

This chapter provides information about digest authentication for SIP phones setup. For additional information on how digest authentication works for phones that are running SIP, see topics related to digest authentication.

When you enable digest authentication for a phone, Cisco Unified Communications Manager challenges all requests except keepalive messages for phones that are running SIP. Cisco Unified Communications Manager uses the digest credentials for the end user, as configured in the **End User Configuration** window, to validate the credentials that the phone offers.

If the phone supports extension mobility, Cisco Unified Communications Manager uses the digest credentials for the extension mobility end user, as configured in the **End User Configuration** window, when the extension mobility user logs in.

For information about configuring digest authentication for non-Cisco phones that are running SIP, refer to Appendix C in the *Cisco Unified Communications Manager Administration Guide*.

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Set up SIP phone digest authentication

The following procedure provides the tasks used to configure digest authentication for phones that are running SIP.

Procedure

- Step 1** Configure the security profiles for phones that are running SIP; make sure that you check the **Enable Digest Authentication** check box.
- Step 2** Apply a security profile to the phone that is running SIP.
- Step 3** If you want to update the default setting, configure service parameters that are related to digest authentication; for example, configure the SIP Station Realm service parameter.
- Step 4** Configure the digest credentials in the **End User Configuration** window.
- Step 5** Choose the **Digest User** in the **Phone Configuration** window.
Choosing a digest user for these phones that are running SIP ensures that the digest credentials get included in the phone configuration file: Cisco Unified IP Phones 7970G, 7971G, 7971G-GE, 7975G, 7961G, 7961G-GE, 7962G, 7965G, 7945G, 7941G, 7941G-GE, 7942G, 7945G, and 7911G.
- Step 6** On Cisco Unified IP Phones 7940G or 7960G (SIP only), enter the digest credentials that you configured in the **End User Configuration** window.
For information on how to enter the authentication name and password on the phone, refer to the *Cisco Unified IP Phone Administrator Guide* that supports this version of Cisco Unified Communications Manager.
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Related Topics

- [Set up digest authentication service parameters, on page 2](#)
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Set up digest authentication service parameters

You configure the SIP Realm for challenges to phones with the service parameter SIP Station Realm. At installation, Cisco Unified Communications Manager provides a default setting, ccmsipline. For additional information on the parameter, click the question mark or the parameter name link that displays in the **Service Parameter Configuration** window.

To update digest authentication service parameters, for example, the SIP Realm Station parameter, perform the following procedure:

Procedure

- Step 1** In Cisco Unified Communications Manager Administration, choose **System > Service Parameters**.
 - Step 2** From the **Server** drop-down list box, choose a node where you activated the Cisco CallManager service.
 - Step 3** From the **Service** drop-down list box, choose the Cisco CallManager service. Verify that the word “Active” displays next to the service name.
 - Step 4** Update the SIP Realm Station parameter, as described in the help. To display help for the parameter, click the question mark or the parameter name link.
 - Step 5** Click **Save**.
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Related Topics

[Where to find more information about digest authentication, on page 4](#)

Set up end user digest credentials

The following procedure assumes that the end user exists in the Cisco Unified Communications Manager database. To configure digest credentials for the end user, perform the following procedure:

Procedure

- Step 1** Find the end user, as described in the *Cisco Unified Communications Manager Administration Guide*.
 - Step 2** After the specific **End User Configuration** window displays, enter the appropriate settings. See [Table 1: Digest Credentials, on page 4](#) for field descriptions.
 - Step 3** Click **Save**.
 - Step 4** To configure digest credentials for additional end users, repeat the procedure.
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What to Do Next

After you configure digest credentials in the **End User Configuration** window, choose the digest user for the phone by accessing the **Phone Configuration** window.

After you choose the digest user, enter the digest authentication credentials that you get from the **End User Configuration** window on the Cisco Unified IP Phone 7960G or 7940G (SIP only).

Related Topics

[End user digest credential settings, on page 4](#)

[Where to find more information about digest authentication, on page 4](#)

End user digest credential settings

The following table describes the settings for the digest credential settings in the **End User Configuration** window in Cisco Unified Communications Manager Administration.

Table 1: Digest Credentials

Setting	Description
Digest Credentials	Enter a string of alphanumeric characters.
Confirm Digest Credentials	To confirm that you entered the digest credentials correctly, enter the credentials in this field.

Related Topics

[Set up digest user using phone, on page 4](#)

Set up digest user using phone

To associate a digest user with a phone, perform the following procedure:

Procedure

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- Step 1** Find the phone, as described in the *Cisco Unified Communications Manager Administration Guide*.
 - Step 2** After the specific **Phone Configuration** window displays, locate the **Digest User** setting and choose the end user that you want to associate with the phone.
 - Step 3** Click **Save**.
 - Step 4** Click **Reset**.
After you associate the end user with the phone, save the configuration and reset the phone.
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Related Topics

[Where to find more information about digest authentication, on page 4](#)

Where to find more information about digest authentication

Related Topics

[Digest authentication](#)
[Set up SIP phone digest authentication, on page 1](#)
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