

Mitel TA7100

58014895 REV00

BASIC SIP ENDPOINT CONFIGURATION

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Mitel TA7100 Basic SIP Endpoint Configuration

58014895 REV00 - May 2016

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Information to Know Before Starting

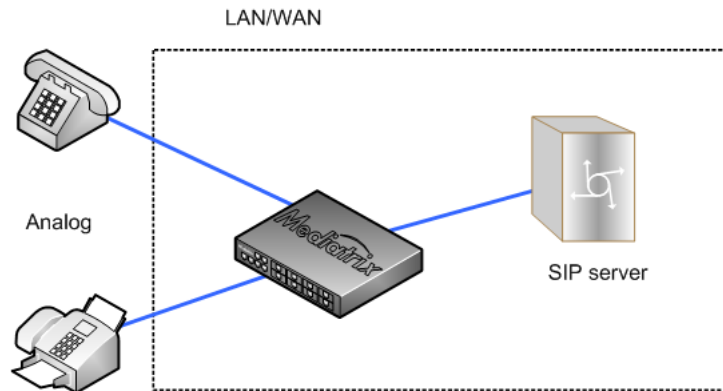
Before starting to use this configuration notes, complete the following table to make sure you have the required information to complete the different steps.

NOTE: This configuration notes can be executed successfully provided your unit is using the Factory default settings.

| Information | Value | Used in Step |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------|
| IP address used by your Mitel unit to communicate with the Management Interface. <ul style="list-style-type: none">If your computer is connected to the Ethernet port meant to be connected to the Local Area Network (LAN), i.e. Eth2 on most devices | USE this value 192.168.0.10 | <i>Logging On to the Mitel Unit Web Interface</i> |
| <ul style="list-style-type: none">If your Mitel unit is configured to use a DHCP, use the DHCP- provided IP address. | | <i>Logging On to the Mitel Unit Web Interface</i> |
| IP address or FQDN of the SIP Registrar Host | | <i>Configuring the Default Servers</i> |
| IP address or FQDN of the Proxy Host | | <i>Configuring the Default Servers</i> |
| IP address or FQDN of the SIP Proxy Host of Messaging Server Host(if required) | | <i>Configuring the Default Servers</i> |
| SIP username and password of each endpoint entry | | <i>Configuring Endpoint Authentication</i> |
| Realm used for each endpoint. | | <i>Configuring Endpoint Authentication</i> |

Basic SIP Endpoint Registration

This scenario describes how to perform a Basic Sip Endpoint Registration for the Mitel units.



Logging On to the Mitel Unit Web Interface

For better performances, it is recommended to use the latest available version of Microsoft Internet Explorer, Google Chrome or Mozilla Firefox.

NOTE: You may not be able to log on to the Management Interface if you are using older versions.

The computer's network card must be on the same subnet as the Mitel unit.

Steps

1. In your web browser, enter the IP address used by your Mitel unit to communicate with the Management Interface.
 - If your computer is connected to the Ethernet port, commonly used to be connected to the Local Area Network (LAN), i.e. Eth2 on most devices, use the 192.168.0.10 IP address.
 - If your Mitel unit is configured to use a DHCP with IPv4, use the DHCP- provided IP address.
2. Enter public as your username and leave the password field empty.

NOTE: The public username account has administrator rights.

NOTE: You can also use admin as a username and administrator as password.

3. Click **Login**.

Result: The **Information** page of the Management Interface is displayed.

Configuring the Default Servers

Prerequisite If you are not familiar with the meaning of the fields, click Show Help, located at the upper right corner of the Web page, to display field description when mousing over the field name.

Basic SIP Endpoint Registration

In some instances, the configuration of the default servers may already be completed.

Steps

1. Go to SIP>Servers.
2. In the Registrar Host field, indicate the server IP address or FQDN to use for this gateway.
3. In the Proxy Host field, indicate the server IP address or FQDN to use for this gateway.
4. In the Messaging Server Host field, indicate the server IP address or FQDN to use for this gateway, if needed.
5. Leave the Outbound Proxy Host field empty unless specifically instructed to set a value.

NOTE: Setting the address to 0.0.0.0:0 or leaving the field empty disables the outbound proxy host.

6. Click Apply.
7. Click **Restart required services** located at the top of the page.

Result:

| Default Servers | |
|------------------------|------------------------------------------------------|
| Registrar Host: | <input type="text" value="sip.registrarserver.com"/> |
| Proxy Host: | <input type="text" value="sip.proxyserver.com"/> |
| Messaging Server Host: | <input type="text"/> |
| Outbound Proxy Host: | <input type="text"/> |

Adding the Default Gateway

If you are not familiar with the meaning of the fields, click Show Help, located at the upper right corner of the Web page, to display field description when mousing over the field name.

Steps

1. Go to SIP > Gateways.
2. In the General Configuration table, set the Signaling Network to Lan1.
3. Click Apply.

Result:

| Gateway Configuration | | | | | | |
|-----------------------|---------|-------------------|----------------------|---------------------------|--------------------------------|--------------------------------|
| Name | Type | Signaling Network | Media Networks | Media Networks Suggestion | Port | Secure Port |
| default | Trunk ▼ | Lan1 ▼ | <input type="text"/> | --- Suggestion --- ▼ | <input type="text" value="0"/> | <input type="text" value="0"/> |
| <input type="text"/> | | | | | | |

Configuring the Keep Alive feature

Prerequisite Make sure there is a Default gateway in the Gateway Configuration table under the SIP/Gateways tabs.

If you are not familiar with the meaning of the fields, click Show Help, located at the upper right corner of the Web page, to display field description when mousing over the field name.

NOTE: This is not supported by all SIP servers, this feature is not mandatory in most use cases.

Steps

1. Go to SIP/ Servers.
2. In the Keep-Alive table, complete the fields as required.
3. If you selected an alternate destination, complete the fields of the Alternate Destination table.

Registering Endpoints to the Default Sip Gateway

If you are not familiar with the meaning of the fields, click Show Help, located at the upper right corner of the Web page, to display field description when mousing over the field name.

Steps

1. Go to SIP > Registrations.
2. In the Endpoints Registration table, from the Register selection list, select Enable for each endpoint to register.
3. In the Endpoints Registration table, from the Messaging selection list, select Enable for each endpoint to register if a messaging server was set in the step.
4. From the Gateway Name selection list, select default for each endpoint to register.
5. Click Apply & Refresh.

Result:

| Endpoints Registration | | | | | |
|------------------------|------------------------------------------|----------------------|----------|-----------|--------------|
| Endpoint | User Name | Friendly Name | Register | Messaging | Gateway Name |
| Slot1/E1T1 | <input type="text" value="user_name 1"/> | <input type="text"/> | Enable ▾ | Disable ▾ | default ▾ |
| Slot2/FX01 | <input type="text" value="user_name 2"/> | <input type="text"/> | Enable ▾ | Disable ▾ | default ▾ |
| Slot2/FX02 | <input type="text" value="user_name 3"/> | <input type="text"/> | Enable ▾ | Disable ▾ | default ▾ |
| Slot2/FX03 | <input type="text" value="user_name 4"/> | <input type="text"/> | Enable ▾ | Disable ▾ | default ▾ |

Configuring Endpoint Authentication

If you are not familiar with the meaning of the fields, click Show Help, located at the upper right corner of the Web page, to display field description when mousing over the field name.

Steps

1. Go to SIP > Authentication.

Basic SIP Endpoint Registration

2. Click Edit All Entries located at the bottom of the page.
3. In the Authentication table, from the Criteria selection list, select Endpoint for all endpoints needing registration.
4. From the Endpoint selection list, select the related FXS port for each entry.
5. From the Realm field, enter the provided realm and from the Validate Realm selection list, select Enable. If no Realm was provided, leave the field empty and from the Validate Realm selection list, select Disable.
6. In the User Name field, enter the SIP user name for each entry.
7. In the Password field, enter the appropriate password for each entry.
8. Click Apply & Refresh Registration.

Result: The endpoints will be registered.

| Authentication | | | | | | | | |
|----------------|----------|------------|---------|-------------------|----------------|-------|---------------|----------|
| Priority | Criteria | Endpoint | Gateway | Username Criteria | Validate Realm | Realm | User Name | Password |
| 1 | Endpoint | Endpoint 1 | | | Disable | | SIP_user_name | ***** |
| 2 | Endpoint | Endpoint 2 | | | Disable | | SIP_user_name | ***** |
| 3 | Endpoint | Endpoint 3 | | | Disable | | SIP_user_name | ***** |
| 4 | Endpoint | Endpoint 4 | | | Disable | | SIP_user_name | ***** |

Configuring OPTIONS Method Support

If you are not familiar with the meaning of the fields, click Show Help, located at the upper right corner of the Web page, to display field description when mousing over the field name.

NOTE: This step is required if your server is configured to only receive 200 OK.

NOTE: This is not supported by all SIP servers, this feature is not mandatory in most use cases.

Steps

1. Go to SIP > Interop.
2. In the SIP Interop table, from the OPTIONS Method Support selection list, select Always 200 OK.
3. Click Apply.

Result: The unit will always answer 200 OK to SIP OPTIONS messages received (Keep Alive).

Setting Auto-Routing to use SIP usernames

Steps

1. Go to Call Router/Auto-Routing.
2. From the Auto-Routing selection list, select Enable.

3. From the Criteria Type selection list, select SIP Username.
4. Click Apply.

Result:

✦ **Auto-routing**

| | | |
|-------------------------------|-------------------------------------------|-------------------------------------------------|
| Auto-routing: | <input type="text" value="Enable"/> | |
| Criteria Type: | <input type="text" value="SIP Username"/> | |
| Incoming Mappings | <input type="text"/> | <input type="text" value="--- Suggestion ---"/> |
| Outgoing Mappings | <input type="text"/> | <input type="text" value="--- Suggestion ---"/> |
| Incoming Signaling Properties | <input type="text"/> | <input type="text" value="--- Suggestion ---"/> |
| Outgoing Signaling Properties | <input type="text"/> | <input type="text" value="--- Suggestion ---"/> |

