# Mitel TA7100

58014902 REV00

SECURING A MITEL UNIT

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**Mitel TA7100 Securing a Mitel Unit**
**58014902 REV00 - May 2016**

# Management Interfaces

## Associating the Network Interface to the System Management Services

**Steps**

1. Go to Management > Misc.
2. From the Network Interface selection list, select the Network Interface you wish to bound to the system management services to.
3. Click Apply.

**Result:** The user will access the System Management through the selected Network Interface.

## Stopping Services - Web Interface

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 System > Services.
2. In the User Service table, click  next to the service you want to disable.
3. Click Apply.

## Securing SNMP Interface

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.

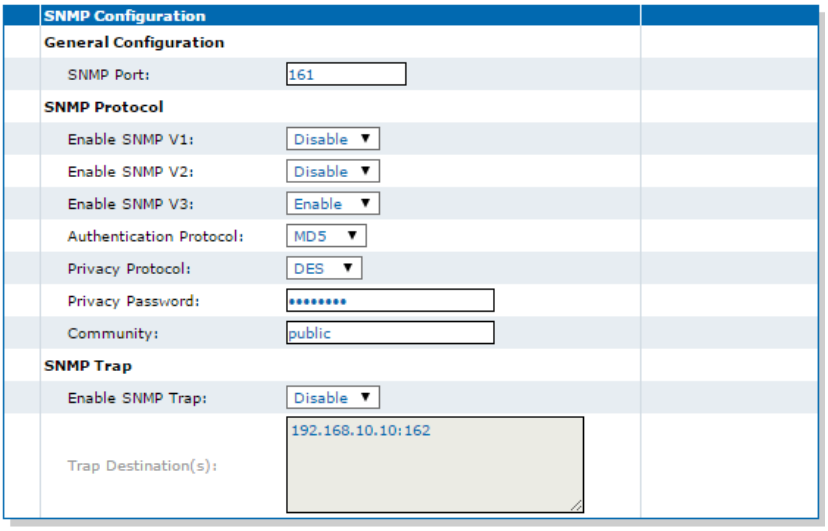
**Steps**

1. Go to Management > SNMP.
2. In the SNMP Configuration table, set the following parameters:
   a. Set Enable SNMP V1 to Disable.
   b. Set Enable SNMP V2 to Disable.
   c. Set Privacy Protocol.

d. In the Privacy Password field, enter a password of your choosing.

3. Click Apply.

**Result:**




## Forcing the Use of HTTPS

**Steps**

1. Open CLI (Command Line Interface).
2. Set Web.HttpMode to Secure.

**Result:** The unit will now be forced to use HTTPS.

# SIP

## Configuring the Local Firewall

**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. You must have a Network Interface created.

**Steps**

1. Go to Network > Local Firewall.
2. In the Local Firewall Configuration table, complete the fields as required.
3. In the Local Firewall Configuration table, from the Default Policy selection list, select Drop.

**NOTE:** Before setting the Default Policy to Drop, review your rules to make sure that at least one rule accepts incoming packets, otherwise the communication with the Mitel unit will be lost.

4. Click **Submit**.
5. Click Submit and Apply to apply all changes to the configuration.
6. Click **Restart required services**, located at the top of the page.

**Result:** The Local Firewall will drop packets instead of rejecting the calls with a SIP message.

## Enabling TLS Transport

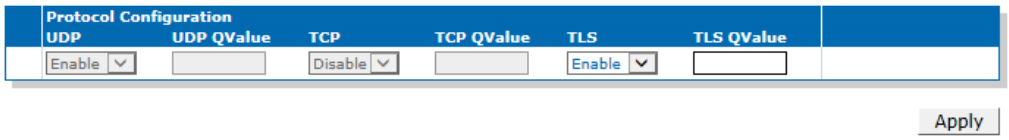
**Prerequisite** A TLS certificate must be installed on the Mitel unit.

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 > Transport.
2. In the Protocol Configuration table, set TLS to Enable.
3. Click Apply.

**Result:**



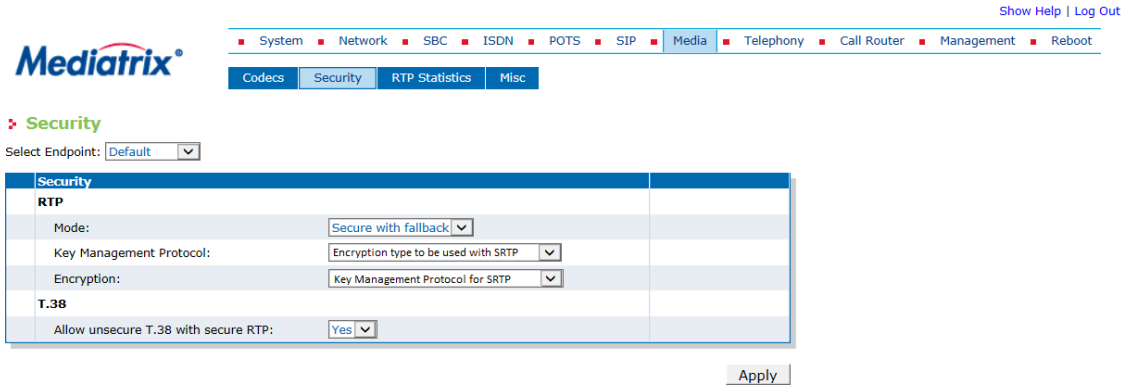
# Setting the RTP Mode - Secure

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 Media > Security.
2. Select the endpoint you want to configure with the help of the dropdown menu Select Endpoint.
3. Under the RTP section, set Mode to Secure.
4. Set the other parameters based on your desired configuration.
5. Click Apply.

**Result:**



# Configuration Files

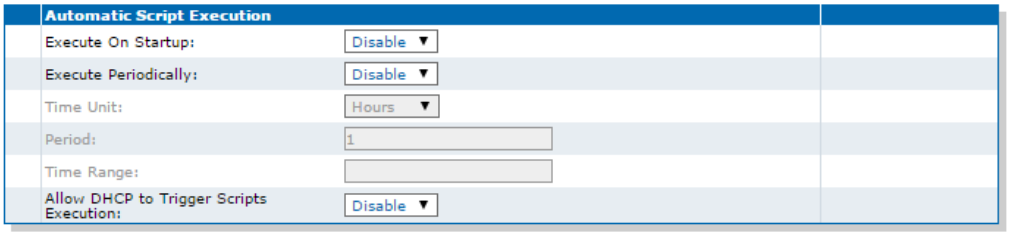
## Disabling DHCP Download

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 Management > Configuration Scripts.
2. In the Automatic Script Execution table, set Allow DHCP to Trigger Scripts Execution to Disable.
3. Click Apply.

**Result:** Ensures that no one can send a new configuration file to the unit if the DHCP server is compromised.




## Configuring a Privacy Key

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 Management > Configuration Scripts.
2. In the Execute Scripts table, set a privacy key of your choosing in the Privacy Key field.

**Result:** The unit will only accept scripts that have been encrypted with this privacy key. The privacy key also ensures that the files are encrypted when using unsecure transfer mode (HTTP,TFTP,FTP).

# Disabling Partial Reset - ResetButtonManagement

**Steps**

1. Open CLI (Command Line Interface).
2. Set ResetButtonManagement to DisablePartialReset.

**Result:** The Mitel unit will no longer partially reset the unit.

# Requirements

## CLI

Make sure the Telnet access is disabled. You can look at the Cli.EnableTelnet variable to verify if Telnet connections are allowed. The access is disabled by default.

## Additional considerations

- In the initial configuration of the unit, review the users and change their passwords and access rights according to your security policy.
- On FXS devices, the Vocal Unit Information allows a caller on an FXS port to dial codes to get information on the unit like the IP addresses and the MAC address. It is recommended to turn this feature off to prevent attackers from gaining information on the Mitel unit setup.

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