

The background of the page is a dark blue gradient with a complex, abstract graphic. It features a dense network of thin, light blue lines connecting various points, creating a web-like or neural network structure. On the left side, there is a large, curved, dotted shape that resembles a stylized globe or a large, curved arrow pointing towards the right. The overall aesthetic is technical and modern.

Basic SIP Username Registration

For all Mediatrix units with telephony cards

DGW 49.2.2941
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Information to Know Before Starting

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

IMPORTANT: If you are not familiar with the meaning of the fields and buttons, click **Show Help**, located at the upper right corner of the Web page. When activated, the fields and buttons that offer online help will change to green and if you hover over them, the description will be displayed.

IMPORTANT: The SIP gateway must be configured as a Trunk.

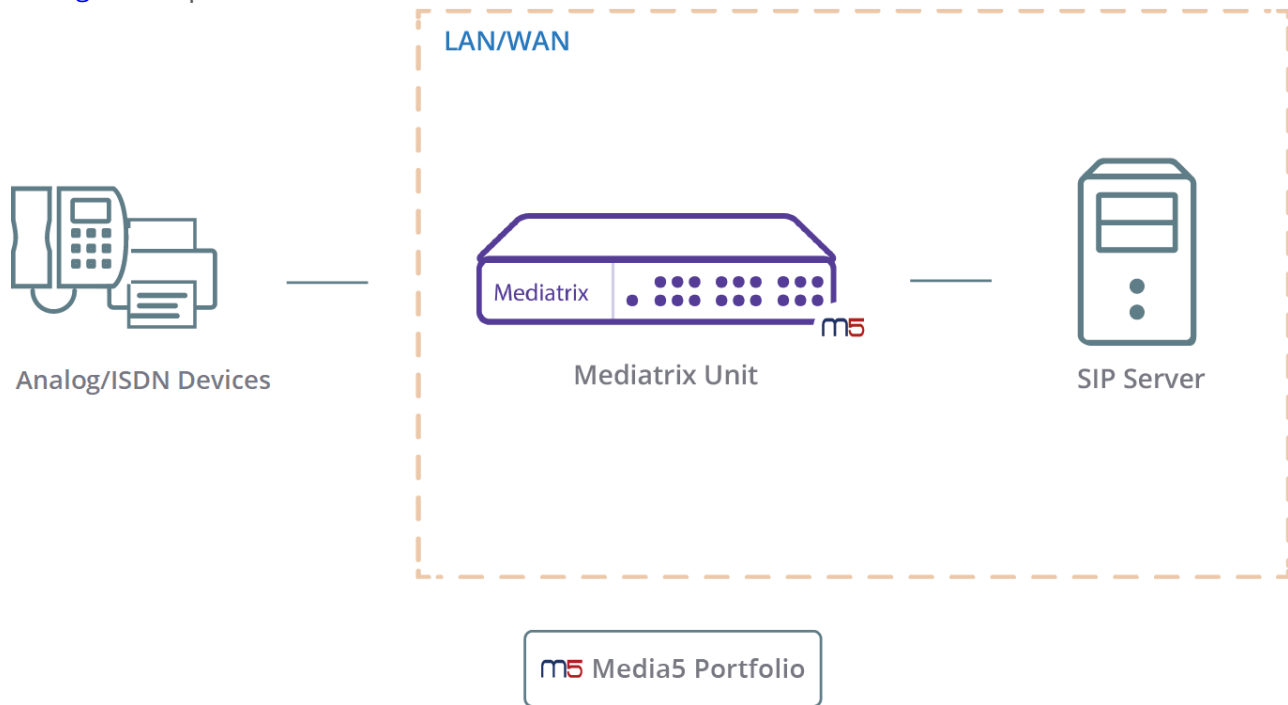
Note: The Mediatrix unit must be reinitialised to its factory default settings to make sure the configuration can be successfully executed.

Information	Value	Used in Step
IP address used by your Mediatrix unit to communicate with the Management Interface. 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	Logging on to the Mediatrix Unit Web Interface (p.5)
If your Mediatrix unit is configured to use a DHCP server, use the DHCP server-provided IP address.		Logging on to the Mediatrix Unit Web Interface (p.5)
IP address or FQDN of the SIP Registrar Host		Configuring the Default SIP Servers (p.6)
IP address or FQDN of the Proxy Host		Configuring the Default SIP Servers (p.6)
IP address or FQDN of the SIP Proxy Host of Messaging Server Host (if required)		Configuring the Default SIP Servers (p.6)
SIP username and password of each endpoint entry		Configuring Username Authentication (p.7)
Realm used for each endpoint.		Configuring Username Authentication (p.7)

Basic SIP Username Registration

This scenario describes how to perform a Basic Sip Username Registration for the Mediatrix units.

For more details on network configuration, refer to the [DGW Configuration Guides - Basic Network Configuration](#) published on the [Media5 Documentation Portal](#).



Logging on to the Mediatrix Unit Web Interface

Before you start

The computer IP address must be in the same TCP/IP network as the Mediatrix unit.

Information

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 Mediatrix unit Web interface if you are using older browser versions.

Steps

- 1) In your Web browser, enter the IP address at which the Web interface of your Mediatrix unit can be reached.
 - If your network has an IPv4 DHCP server, connect the primary Ethernet port of the Mediatrix unit to the network (ETH1 port), use the provided DHCP server IP address.
 - You can also connect your computer to the secondary Ethernet port of the Mediatrix unit (ETH2), use the 192.168.0.10 IP address. However, the computer must also own an IP address in the 192.168.0.0/24 network.
- 2) Enter **admin** as your username and **administrator** as the password.

Note: You can also use **public** as a username and leave the password field empty; it has the full administration rights by default.

- 3) Click **Login**.

Result

The **Information** page of the Web interface is displayed.

Related tasks

[Configuring the Default SIP Servers](#) (p.6)

Configuring the Default SIP Servers

Information

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 of the SIP Registrar server .
- 3) In the **Proxy Host** field, indicate the server IP address or FQDN of the SIP Proxy server.
- 4) In the **Messaging Server Host** field, indicate the server IP address or FQDN of the Messaging server, 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) Located at the top of the page, click **restart required services**.

Result

Default Servers	
Registrar Host:	sip.registrarserver.com
Proxy Host:	sip.proxyserver.com
Messaging Server Host:	
Outbound Proxy Host:	

Next Step

[Configuring the Keep Alive feature \(p.7\)](#)

Configuring the Keep Alive feature

Before you start

IMPORTANT: 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.

Next Step

[Configuring Username Authentication \(p.7\)](#)

Configuring Username Authentication

Before you start

The SIP gateway must be configured as a Trunk. Username Authentication applies only applies to challenges using a specific user name. You must use a trunk gateway.

Steps

- 1) Go to **SIP/Authentication**.
- 2) Click **Edit All Entries** located at the bottom of the page.
- 3) In the **Authentication** table, from the **Criteria** selection list, select **username** for all usernames needing registration.
- 4) In the **Username Criteria** selection list, enter the username 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 and Refresh Registration**.

Result

Each gateway will be registered.

Authentication								
Priority	Criteria	Endpoint	Gateway	Username Criteria	Validate Realm	Realm	User Name	Password
1	Username				Disable		user name	password
2	Username				Enable	provided realm	user name	password

Next Step

[Registering Endpoints to the Default Sip Gateway \(p.8\)](#)

Registering Endpoints to the Default Sip Gateway

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 [Configuring the Default SIP Servers](#) (p.6) step.
- 4) From the **Gateway Name** selection list, select **default** for each endpoint to register.
- 5) Click **Apply and Refresh**.

Result

Endpoints	Registration					
Endpoint	User Name	Friendly Name	Register	Messaging	Gateway Name	
Slot1/E1T1	user_name 1		Enable ▾	Disable ▾	default ▾	
Slot2/FX01	user_name 2		Enable ▾	Disable ▾	default ▾	
Slot2/FX02	user_name 3		Enable ▾	Disable ▾	default ▾	
Slot2/FX03	user_name 4		Enable ▾	Disable ▾	default ▾	

Next Step

[Configuring OPTIONS Method Support \(p.9\)](#)

Configuring OPTIONS Method Support

Information

Note: This step is required if your server is configured to only receive 200 OK by the Mediatrix unit, when it polls the Mediatrix with SIP OPTIONS.

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).

SIP Interop		
Secure Header:	Disable ▾	
Default Username Value:	Anonymous ▾	
OPTIONS Method Support:	Always 200 OK ▾	
Ignore OPTIONS on no Usuable Endpoints:	Disable ▾	
SIP URI User Parameter Value:		
Behavior on Machine Detection:	Re-INVITE on Fax T38 Only ▾	
Registration Contact Matching:	Strict ▾	
Transmission Timeout:	32	

DGW Documentation

Mediatrix devices are supplied with an exhaustive set of documentation.

Mediatrix user documentation is available on the [Media5 Documentation Portal](#).

Several types of documents were created to clearly present the information you are looking for. Our documentation includes:

- **Release notes:** Generated at each GA release, this document includes the known and solved issues of the software. It also outlines the changes and the new features the release includes.
- **Configuration notes:** These documents are created to facilitate the configuration of a specific use case. They address a configuration aspect we consider that most users will need to perform. However, in some cases, a configuration note is created after receiving a question from a customer. They provide standard step-by-step procedures detailing the values of the parameters to use. They provide a means of validation and present some conceptual information. The configuration notes are specifically created to guide the user through an aspect of the configuration.
- **Technical bulletins:** These documents are created to facilitate the configuration of a specific technical action, such as performing a firmware upgrade.
- **Hardware installation guide:** They provide the detailed procedure on how to safely and adequately install the unit. It provides information on card installation, cable connections, and how to access for the first time the Management interface.
- **User guide:** The user guide explains how to customise to your needs the configuration of the unit. Although this document is task oriented, it provides conceptual information to help the user understand the purpose and impact of each task. The User Guide will provide information such as where and how TR-069 can be configured in the Management Interface, how to set firewalls, or how to use the CLI to configure parameters that are not available in the Management Interface.
- **Reference guide:** This exhaustive document has been created for advanced users. It includes a description of all the parameters used by all the services of the Mediatrix units. You will find, for example, scripts to configure a specific parameter, notification messages sent by a service, or an action description used to create Rulesets. This document includes reference information such as a dictionary, and it does not include any step-by-step procedures.

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