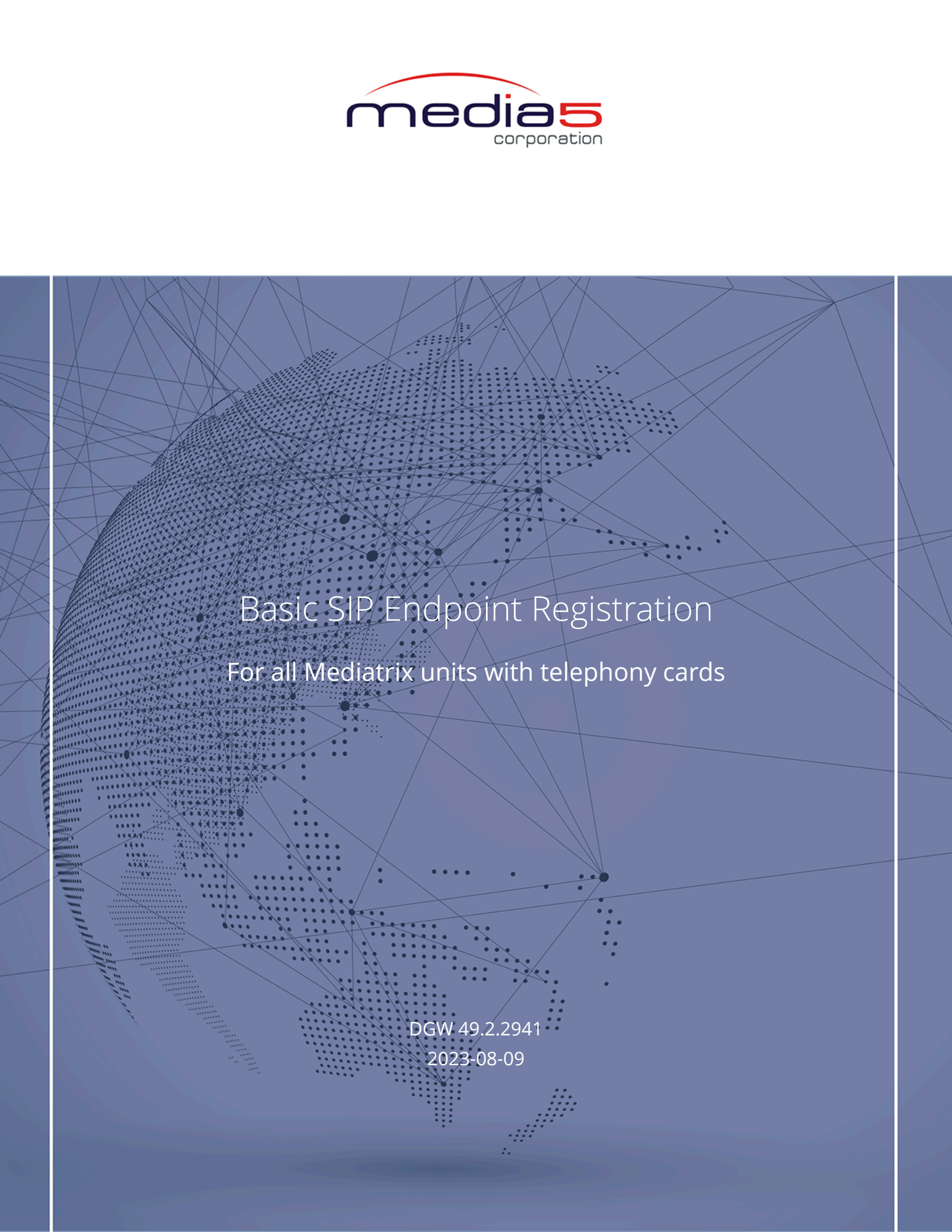


The background of the page is a dark blue gradient with a complex, abstract graphic. It consists of a dense network of thin, light blue lines connecting various points, creating a web-like or mesh structure. Overlaid on this is a large, stylized map of Europe, where the landmasses are defined by a higher density of dots and lines compared to the surrounding areas.

Basic SIP Endpoint Registration

For all Mediatrix units with telephony cards

DGW 49.2.2941
2023-08-09

Table of Contents

Information to Know Before Starting	3
Basic SIP Endpoint Registration	4
Logging on to the Mediatix Unit Web Interface	4
Configuring the Default SIP Servers	5
Configuring the Keep Alive feature	6
Registering Endpoints to the Default Sip Gateway	6
Configuring Endpoint Authentication	7
Configuring OPTIONS Method Support	8
Setting Auto-Routing to Use SIP Usernames	9
Available Documentation	10
Copyright Notice	11

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.

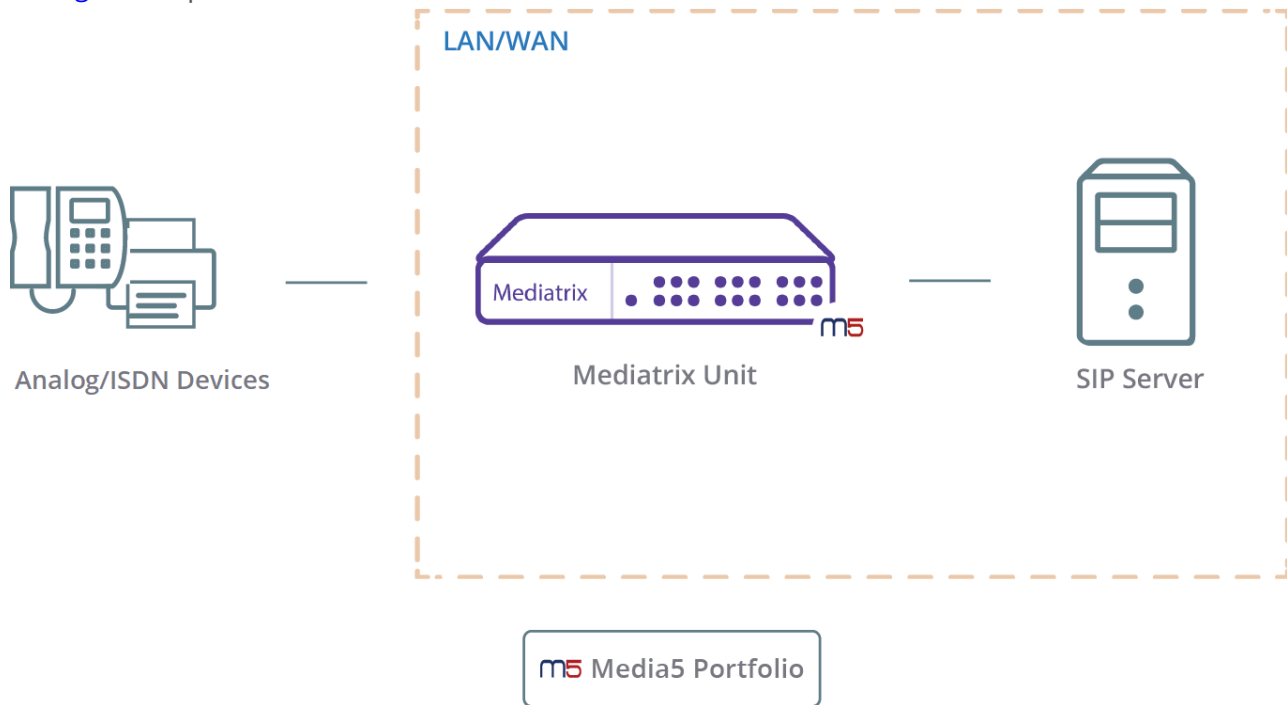
Note: The Mediatrix unit must be reinitialised to its factory default settings to make sure the configuration can be successfully executed.

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.4)
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.4)
IP address or FQDN of the SIP Registrar Host		Configuring the Default SIP Servers (p.5)
IP address or FQDN of the Proxy Host		Configuring the Default SIP Servers (p.5)
IP address or FQDN of the SIP Proxy Host of Messaging Server Host (if required)		Configuring the Default SIP Servers (p.5)
SIP username and password of each endpoint entry		Configuring Endpoint Authentication (p.7)
Realm used for each endpoint.		Configuring Endpoint Authentication (p.7)

Basic SIP Endpoint Registration

This scenario describes how to perform a Basic Sip Endpoint 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.5)

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 \(p.6\)](#)

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

[Registering Endpoints to the Default Sip Gateway \(p.6\)](#)

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 \(p.5\)](#) 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/FXO1	user_name 2		Enable ▼	Disable ▼	default ▼	
Slot2/FXO2	user_name 3		Enable ▼	Disable ▼	default ▼	
Slot2/FXO3	user_name 4		Enable ▼	Disable ▼	default ▼	

Next Step

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

Configuring Endpoint Authentication

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 **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 and 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	*****

Next Step

[Configuring OPTIONS Method Support \(p.8\)](#)

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

Next Step

[Setting Auto-Routing to Use SIP Usernames \(p.9\)](#)

Setting Auto-Routing to Use SIP Usernames

Information

This task is mandatory if the registration username is a string, not only numbers.

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:	Enable
Criteria Type:	SIP Username
Incoming Transformations	--- Suggestion ---
Outgoing Transformations	--- Suggestion ---
Incoming Signaling Properties	--- Suggestion ---
Outgoing Signaling Properties	--- Suggestion ---

Available Documentation

For more details, refer to the [Mediatrix Documentation](#) published on the [Media5 Documentation Portal](#).

Copyright Notice

Copyright © 2023 Media5 Corporation.

This document contains information that is proprietary to Media5 Corporation.

Media5 Corporation reserves all rights to this document as well as to the Intellectual Property of the document and the technology and know-how that it includes and represents.

This publication cannot be reproduced, neither in whole nor in part, in any form whatsoever, without written prior approval by Media5 Corporation.

Media5 Corporation reserves the right to revise this publication and make changes at any time and without the obligation to notify any person and/or entity of such revisions and/or changes.



media5corp.com