

Using TR-069 with Mediatrix Gateways

All Mediatrix Units

DGW 49.2.2941

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Configuring the CWMP Establishment (TR-069)

Before you start

The CPE WAN Management Protocol (CWMP) service must be started (under **System/Services**).

Steps

- 1) Go to **Management/CWMP**.
- 2) In the **CWMP Configuration** table, set the following parameters:
 - a) Set **Root Element** to **Device** or **Internet Gateway Device**, depending on your configuration.
 - b) Configure the **Listening Port** to reflect your configuration.
 - c) Set **ACS URL Config Source** to reflect your configuration.

Note: If you chose **Static**, configure the **ACS Static URL**. HTTP and HTTPS are supported.

- d) Under **TR-069 Configuration** section, set **Annex F** to **Enable**.
- e) If using authentication, configure **User Name** and **Password** to reflect your configuration.

Result

If everything is configured correctly, you should see a TCP connection being established between your Mediatrix unit and the TR-069 server (from now on simply ACS). After the TCP connection has been established, the unit will send its first "Inform" message to the ACS, as seen below. Note that there will be more HTTP POST messages sent to the ACS (those can be empty) until the server returns a "204 No Content" message.

No.	Time	Source	Destination	Protocol	Info
587	5.281373	17	7	HTTP/XML	POST /dps/TR069 HTTP/1.1
595	5.622382	7	1	HTTP/XML	HTTP/1.1 200 OK
600	5.637967	17	7	HTTP	POST /dps/TR069 HTTP/1.1
613	5.842433	7	1	HTTP	HTTP/1.1 204 No Content

+ Transmission Control Protocol, Src Port: 4039 (4039), Dst Port: 8080 (8080), Seq: 1

+ [Reassembled TCP Segments (2918 bytes): #585(178), #586(1440), #587(1300)]

+ Hypertext Transfer Protocol

+ extensible Markup Language

<?xml

version="1.0"

encoding="UTF-8"

?>

<SOAP-ENV:Envelope>

xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"

xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:xsd="http://www.w3.org/2001/XMLSchema"

xmlns:cwmp="urn:dslforum-org:cwmp-1-0"

<SOAP-ENV:Body>

SOAP-ENV:encodingstyle="http://schemas.xmlsoap.org/soap/encoding/"

<cwmp:Inform>

<DeviceId>

<Event>

<MaxEnvelopes>

<CurrentTime>

<RetryCount>

<ParameterList>

</cwmp:Inform>

</SOAP-ENV:Body>

Tag (xml.tag), 2308 bytes

Packets: 1344 Displayed: 4 Mark...

Profile:

Online Help

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.

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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