



Dgw v2.0 Application Release Notes

Dgw 2.0.33.618

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Firmware Pack

The firmware pack is a ZIP file that contains the modules and the features to install on your Mediatrix unit when a new release is available.

When unzipping the firmware pack, the content is extracted according to a pre-defined tree architecture. This creates a directory that contains the files required for the Mediatrix unit to properly upgrade its firmware.

Your Product Version

Your Product Version

Mediatrix Sentinel

Sentinel bundles the capabilities of a Session Border Controller and a Media Gateway. Robust and field - upgradable, this multi-service business platform is designed for medium and large enterprises. Sentinel is ideally targeted for applications ranging from 30 to 600 simultaneous sessions. Sentinel delivers a flexible architecture designed to address a variety of applications including security, demarcation point, SIP normalisation and survivability.

Module	Interfaces
Base Unit	<ul style="list-style-type: none"> • 1 WAN + 4 LAN Gigabit Ethernet • 8 slots for telephony cards • 3 SBC session licenses
Telephony Cards (optional)	<ul style="list-style-type: none"> • PRI Port card (004-00096-00) • 4 x FXS Ports card (004-00085-00) • 4 x FXO Ports card (004-00087-00) • DSP card (needed when using FXS, FXO or BRI) • 2 x BRI card (available soon)
SBC Licenses	<ul style="list-style-type: none"> • Individual sessions • 10 session package • 100 session package • Transcoding (available soon) • Voice Recording (available soon) • WebRTC gateway (available soon)

Mediatrix 3000 Series Gateway

The Mediatrix 3000 Series Gateways allow enterprises to lower communication costs over any IP link. The platform supports ISDN E1 and T1-PRI telephony interfaces, ISDN BRI interfaces, as well as analog FXS/ FXO interfaces. They provide an ideal solution for enterprise voice applications or for connecting to a service provider's broadband access.

Mediatrix Number	Interfaces
Mediatrix 3208	1 card with 6 FXO and 2 FXS ports
Mediatrix 3216	2 cards with each 6 FXO and 2 FXS ports
Mediatrix 3308	1 card with 1 FXO and 7 FXS Lines
Mediatrix 3316	2 cards with each 1 FXO and 4 FXS Lines
Mediatrix 3404	5 BRI ports

Mediatrix Number	Interfaces
Mediatrix 3408	10 BRI ports
Mediatrix 3531	1 T1-PRI port
Mediatrix 3532	2 T1-PRI ports
Mediatrix 3621	1 fractional E1-PRI port
Mediatrix 3631	1 E1-PRI port
Mediatrix 3632	2 E1-PRI ports
Mediatrix 3716	1 card with 6 FXO and 2 FXS ports plus 1 card with 7 FXS port and 1 FXO ports
Mediatrix 3731	1 card with 1 FXO and 7 FXS ports plus 1 card with 1 T1/E1 PRI port
Mediatrix 3732	1 card with 6 FXO and 2 FXS ports and 1 card with 1 T1/E1 port
Mediatrix 3734	1 card with 1 T1/E1 PRI port and 1 card with 5 BRI ports
Mediatrix 3741	1 card with 1 FXO and 7 FXS ports plus one card with 5 BRI ports
Mediatrix 3800	1 Intel card
Mediatrix 3801	1 Intel card and 1 card with 1 FXO and 7 FXS ports
Mediatrix 3802	1 Intel card and 1 card with 6 FXO and 2 FXS ports
Mediatrix 3803	1 Intel card and 1 card with 5 BRI ports
Mediatrix 3804	1 Intel card and 1 card with 1 T1/E1 PRI port

Mediatrix 4100 Series Gateways

The Mediatrix 4100 Series products are high-quality and cost-efficient VoIP gateways connecting larger branch offices and multi-tenant buildings or small offices to an IP network, while preserving the investment made in analog telephones and faxes. The Mediatrix 4100 access devices allow service providers to rapidly and economically deploy their solutions in medium-size premises or SOHOs and they are the ideal solution for branch office connectivity to larger private networks.

Model	Interfaces
Mediatrix 4102	2 analog FXS ports
Mediatrix 4104	4 analog FXS ports
Mediatrix 4108	8 analog FXS ports
Mediatrix 4116	16 analog FXS ports
Mediatrix 4124	24 analog FXS ports

Mediatrix 4400 Series Digital Gateways

The Mediatrix 4400 Series Digital Gateways allow enterprises to lower communication costs over any IP link. The platform features ISDN BRI interfaces, providing an ideal solution for enterprise voice applications or for connecting to a service provider's broadband access

Model	Interfaces
Mediatrix 4401	1 BRI port
Mediatrix 4401plus	1 BRI port
Mediatrix 4402	2 BRI ports
Mediatrix 4402plus	2 BRI ports
Mediatrix 4404	4 BRI ports
Mediatrix 4404plus	4 BRI ports

Mediatrix C7 Series Gateways

The Mediatrix C7 Series access devices are multi-function devices combining a VoIP Analog Adapter, a Gateway and QoS control in a secure and powerful platform. The Mediatrix C7 Series also allows enterprises, service providers, and system integrators to deploy secure systems and generate additional revenue streams.

Model	Interfaces
Mediatrix C710	4 FXS ports
Mediatrix C711	8 FXS ports
Mediatrix C730	4 FXO ports
Mediatrix C733	8 FXO ports
Mediatrix C731	4 FXO and 4 FXS ports

Mediatrix LP Series

The Mediatrix LP Series access devices are high-quality and cost efficient VoIP gateways connecting larger branch offices and multi-tenant buildings to an IP network, while preserving the investment made in analog telephones and faxes. They offer features such as 60 VRMS ringing voltage, 2 kilometer loop distance and integrated secondary lightning protection, allowing the connection to external phone line cables.

Model	Interfaces
Mediatrix LP 16	16 analog FXS ports
Mediatrix LP 24	24 analog FXS ports

New Functionalities

Incident #	CR #	Synopsis	Applies To
Description			
IN 11397	DGW-938	Support the ability to remove the Media attribute from the SDP body.	Sbc service
A new "Set media blacklist" action for "SDP Mediation" was added to be able to blacklist a SDP header. This action removes all headers mentioned in the blacklist, whatever the media.			
IN 11413	DGW-936	The flash key is ignored while the user is dialling.	all
When the user dials a number and presses a flash key, the dialled digits are cleared and the dial tone returns.			
---	DGW-166	Add button to clear the Sbc registration cache.	Sbc service
A new Clear Registration Cache button was added under SBC>Registrations. The feature works without having to restart the Sbc service.			

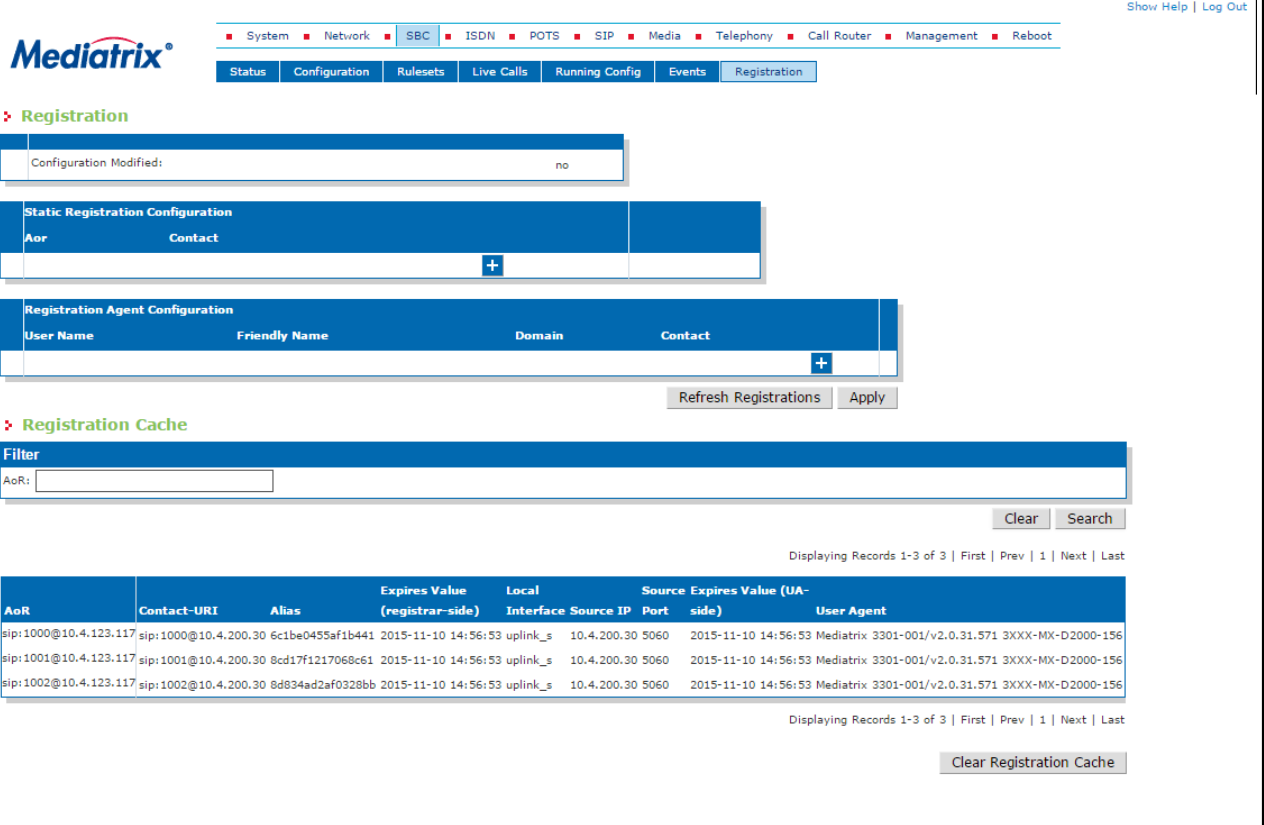
Modified Features, Functionalities and Interface Modifications

Incident #	CR #	Synopsis	Applies To
Description			
---	DGW-254	Add Ruleset actions to define which contact header attributes are forwarded or not.	Sbc service

Three new ruleset actions were added.

---	DGW-166	Add button to clear the Sbc registration cache.	Sbc service
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A new Clear Registration Cache button was added under SBC>Registrations to clear the registration cache without having to restart the Sbc service.

Incident #	CR #	Synopsis	Applies To																								
<div style="text-align: center; border: 1px solid black; padding: 5px;">Description</div> 																											
---	DGW-150	Support FQDN and port number display in the Peer field of the Call Agent status table.	Sbc service																								
<p>The port number / FQDN are now displayed in the Call Agent table under SBC > Status page.</p> <table border="1" data-bbox="203 1302 1421 1459"> <thead> <tr> <th>Call Agent Name</th> <th>Gateway</th> <th>Signaling Interface</th> <th>Media Interface</th> <th>Peer</th> <th>State</th> </tr> </thead> <tbody> <tr> <td>registration_ca</td> <td></td> <td>uplink_s</td> <td>uplink_m</td> <td>sip.server.com:5060</td> <td>Active</td> </tr> <tr> <td>trunk_lines_ca</td> <td>trunk_lines_gw</td> <td>loop_s</td> <td>loop_m</td> <td>sip.server.com:5060</td> <td>Active</td> </tr> <tr> <td>phone_lines_ca</td> <td>phone_lines_gw</td> <td>loop_s</td> <td>loop_m</td> <td>sip.server.com:5060</td> <td>Active</td> </tr> </tbody> </table>				Call Agent Name	Gateway	Signaling Interface	Media Interface	Peer	State	registration_ca		uplink_s	uplink_m	sip.server.com:5060	Active	trunk_lines_ca	trunk_lines_gw	loop_s	loop_m	sip.server.com:5060	Active	phone_lines_ca	phone_lines_gw	loop_s	loop_m	sip.server.com:5060	Active
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---	DGW-44	Tls connection modes for signaling interfaces can now be set to be only client or server.	Sbc service																								
<p>Three different Tls connection modes can now be associated with a Signaling Interface in the Signaling Interface Configuration table located under SBC > Configuration</p>																											

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<table border="1"> <thead> <tr> <th colspan="7" data-bbox="204 348 1425 378">Signaling Interface Configuration</th> </tr> <tr> <th data-bbox="204 378 467 401">Name</th> <th data-bbox="467 378 581 401">Network</th> <th data-bbox="581 378 727 401">Port</th> <th data-bbox="727 378 865 401">Secure Port</th> <th data-bbox="865 378 971 401">TIs Mode</th> <th data-bbox="971 378 1190 401">Public Address</th> <th data-bbox="1190 378 1425 401"></th> </tr> </thead> <tbody> <tr> <td data-bbox="204 401 467 432">loop_s</td> <td data-bbox="467 401 581 432">Loop</td> <td data-bbox="581 401 727 432">0</td> <td data-bbox="727 401 865 432">0</td> <td data-bbox="865 401 971 432">Client</td> <td data-bbox="971 401 1190 432"></td> <td data-bbox="1190 401 1425 432">-</td> </tr> <tr> <td data-bbox="204 432 467 464">lan1_s</td> <td data-bbox="467 432 581 464">Lan1</td> <td data-bbox="581 432 727 464">0</td> <td data-bbox="727 432 865 464">0</td> <td data-bbox="865 432 971 464">Both</td> <td data-bbox="971 432 1190 464"></td> <td data-bbox="1190 432 1425 464">-</td> </tr> <tr> <td data-bbox="204 464 467 495">uplink_s</td> <td data-bbox="467 464 581 495">Uplink</td> <td data-bbox="581 464 727 495">0</td> <td data-bbox="727 464 865 495">0</td> <td data-bbox="865 464 971 495">Client</td> <td data-bbox="971 464 1190 495"></td> <td data-bbox="1190 464 1425 495">-</td> </tr> <tr> <td colspan="6" data-bbox="204 495 1190 537"></td> <td data-bbox="1190 495 1425 537">+</td> </tr> </tbody> </table>							Signaling Interface Configuration							Name	Network	Port	Secure Port	TIs Mode	Public Address		loop_s	Loop	0	0	Client		-	lan1_s	Lan1	0	0	Both		-	uplink_s	Uplink	0	0	Client		-							+
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Issues Fixed

Incident #	CR #	Synopsis	Applies To
Description			
---	DGW-1112	CWMP Option 43 is not fetched.	all
CWMP Option 43 on a specific Management Interface was not fetched. The problem has been solved.			
---	DGW-1108	Transport protocol is not correctly displayed in the Running Configuration.	Sbc service
The transport protocol displayed in the running configuration now reflects the transport protocol selected in the applied routing Ruleset.			
---	DGW-815	Port comparison issue in the Ruleset "Blacklist" conditions.	Sbc service
When the "Blacklist" condition is used in the Rulesets, the comparison of the destination address with the blacklist no longer fails when the call agent's peer host has no explicit port defined.			
IN 11310	DGW-304	Using flash key + # during a conference does not have the expected behaviour.	all
Using "flash key + 2" or "flash key + 3" during a conference call no longer causes one of the callee's call to be cancelled.			
In 11310	DGW-289	No ringback on 'unconditional' or 'on busy' call Forward.	all
SIP media negotiation no longer ignores a forked provisional response with early-media, if early-media was never negotiated before.			
IN 11302	DGW-260	Telif, ISDN and SIP services no longer respond and the specific pages become unavailable for changes.	all
The Telif, ISDN and SIP services could in some instances stop responding. The management interface pages corresponding to these services became unavailable. Furthermore, restarting the unit did not solve the problem. The problem could only be solved by starting the Telephony Interface (Telif) service under the Services web page. All three services now work as expected.			
---	DGW-254	Add Ruleset actions to define which contact header attributes are forwarded or not.	Sbc service
<p>The SBC was not relaying the isfocus attribute in the 200 OK replies from a Conference Server compatible with RFC 4579. Some phones could not be used in large conferences because of that. Three new Ruleset actions are now available:</p> <ul style="list-style-type: none"> • Set Contact-HF parameter blacklist, • Set Contact-HF parameter whitelist, and 			

Incident #	CR #	Synopsis	Applies To
Description			
<ul style="list-style-type: none"> Forward Contact-HF parameters. These actions control which contact header parameters are forwarded. 			
---	DGW-167	UAC auth action does not work for REGISTER, SUBSCRIBE and NOTIFY.	Sbc service
The UAC auth action now intercepts the REGISTER, SUBSCRIBE and NOTIFY messages and replies with supplied info.			
---	DGW-150	Support FQDN and port number display in the Peer field of the Call Agent status table.	Sbc service
The FQDN and port number of a Call agent is now displayed on the Status page in the Call Agent table under the Peer field.			
---	DGW-45	Add new notification concerning the states of Tls connections	Sbc service
A notification will now be sent to inform that a Tls connection had problems or was successful.			
---	DGW-44	Tls connection modes for signaling interfaces can now be set to be only client or server.	Sbc service
<p>A signaling interface now has 3 different Tls connection modes</p> <ul style="list-style-type: none"> client: the signaling interface only permits outbound connection attempts. server: the signaling interface only permits inbound connection attempts. both: it allows both. Both and server modes require a host certificate. 			

Known Issues

Incident #	CR #	Synopsis	Applies To
IN 11426	DGW-1458	The AdvancedIpRoutes table is not TR-069 compliant.	all
The AdvancedIpRoutes table of the IpRouting service must be TR-069 compliant. Furthermore, it must be accessible by the ACS.			
---	DGW-1258	The Sbc.NbActiveCalls parameter is not supported yet.	Sbc service
The current number of active calls handled by the SBC is not yet supported.			
---	DGW-1257	Unable to use files with names longer than 48 characters.	Sbc service
It is possible to use a file name longer than 48 characters in the Sbc editor, but the file cannot be used.			
---	DGW-1247	SipEp.Authentication can not be configured on more than 20 endpoints.	all
After a factory reset, SipEp.Authentication can not be configured on more than 20 endpoints via CWMP using <pre>Device.Services.VoiceService.1.VoiceProfile.1.Line.{i}.SIP.*</pre> objects.			
---	DGW-1228	Unable to install the Windows Server 2008 and 2003 from USB external device.	VM service
It is not possible to use a USB external device to install the Windows Server image (2003 and 2008) OS when creating a virtual machine.			
---	DGW-821	Activating the Rescue Mode via the Web interface does not work after a factory reset.	all
When a factory reset is performed, the rescue interface is no longer accessible via the web interface. The unit must be restarted to have access to rescue interface.			
IN 11195 and IN 11371	DGW-117	Incoming SIP call toward ISDN network fails due to a TEI assignment issue.	BRI
Incoming SIP calls cannot be placed over ISDN because the remote NT switch previously deactivates the ISDN link.			



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