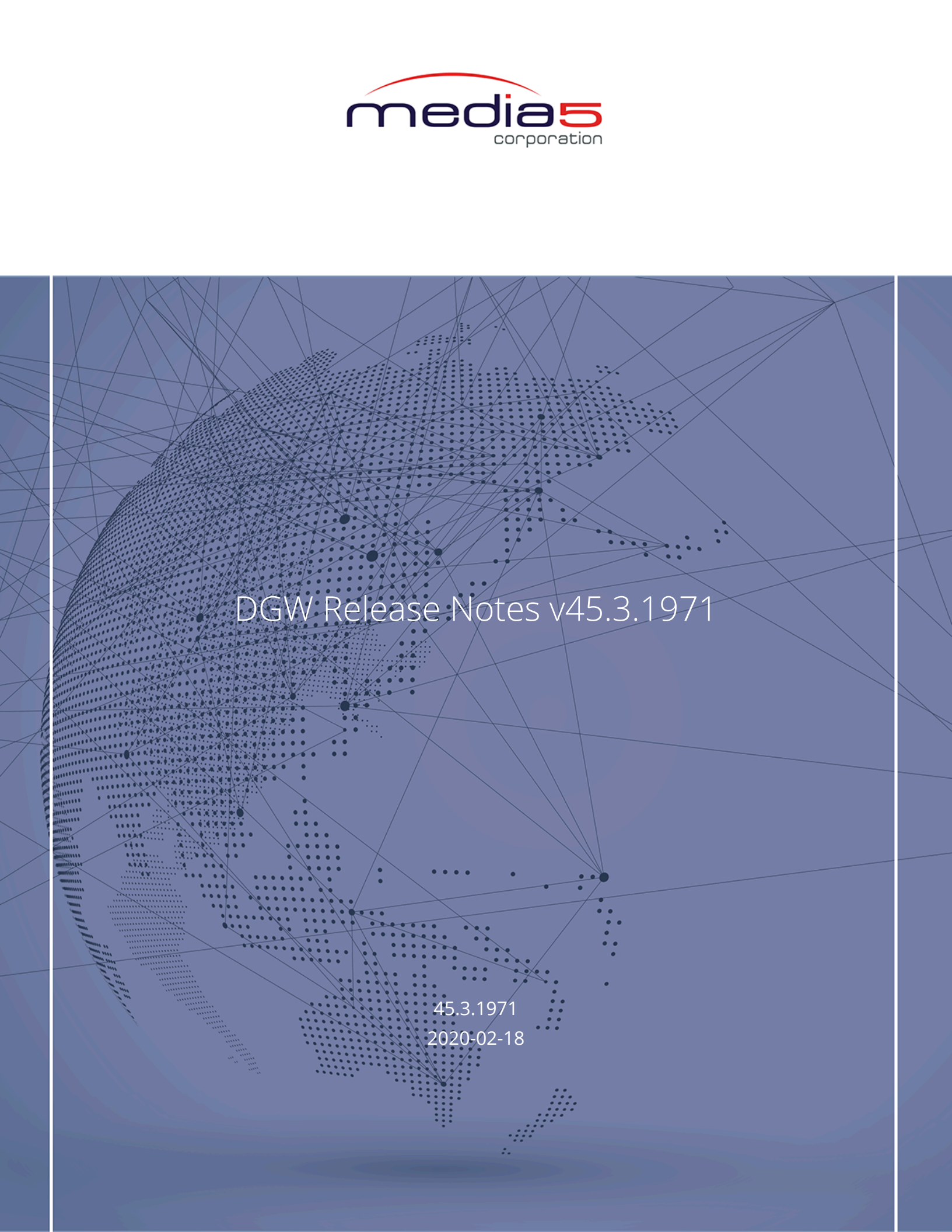


The background of the page is a dark blue gradient. It features a complex, abstract graphic consisting of a dense network of thin, light blue lines connecting numerous small, dark blue dots. These dots are arranged in a way that suggests a global map or a data network, with higher concentrations of dots in certain areas. The overall effect is a sense of connectivity and digital infrastructure.

DGW Release Notes v45.3.1971

45.3.1971
2020-02-18

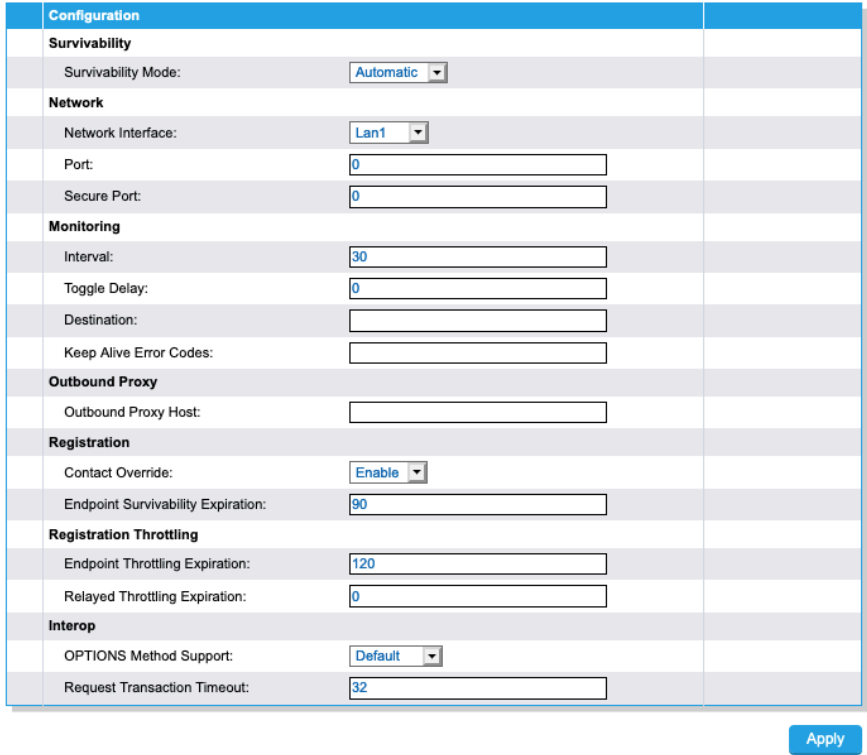
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Firmware Pack

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

New Functionalities

Incident #	CR #	Synopsis	Applies To
Description			
	DGW-11958	Add the outbound proxy feature for TLS and TCP in the SipProxy service.	SipProxy
The outbound proxy feature is now available in TLS and TCP. The SipProxy service uses persistent connections to create a path between the outbound proxy server and the local SIP proxy. The SipProxy service will now insert a Route header pointing to its configured outbound proxy as the first route if the feature is enabled. The outbound proxy server is configurable through the SipProxy.OutboundProxyHost parameter available in the DGW Web page under SIP Proxy/Configuration.			
			
	DGW-11757	Add the support of MOS estimation for the G.722 codec in the SIP PUBLISH request (RFC 6035).	all
MOS estimation for the G.722 codec is now supported in the SIP PUBLISH request (RFC 6035).			

Incident #	CR #	Synopsis	Applies To
Description			
IN-11411	DGW-11733	Add the support of the G.722 voice codec on the Mediatrix C7, S7, G7, Sentinel 100, and Sentinel 400.	C7, G7, S7, Sentinel 100, and Sentinel 400

The G.722 voice codec is now available for the Mediatrix C7, S7, G7 series as well as on the Sentinel 100 and 400 platforms.

Codecs

Select Codec Bank: G.722 (always includes G.711, T.38, Clear Mode, Clear Channel, and X-CCD)

Select Endpoint: Default

Codec	Voice	Data	Advanced
G.711 a-Law	Enable	Enable	
G.711 u-Law	Enable	Enable	
G.722	Enable		
G.723.1	Enable		
G.726 16Kbps	Enable		
G.726 24Kbps	Enable		
G.726 32Kbps	Enable	Disable	
G.726 40Kbps	Enable	Disable	
G.729	Enable		
T.38		Disable	
Clear Mode	Disable	Disable	
Clear Channel	Disable	Disable	
X-CCD	Disable	Disable	

Modified Features, Functionalities and Interface Modifications

Incident #	CR #	Synopsis	Applies To
Description			
---	DGW-12560	The SipProxy.TlsPersistentConnectionStatus parameter was renamed SipProxy.PersistentConnectionStatus.	SipProxy
The TLS Persistent Connection Status parameter available under DGW/SIP Proxy/Status has changed to Persistent Connection Status.			
Status			
Status Monitoring: Destination is Up Proxy: Running Total Registrations Cached: 0 / 10 Active Calls: 0 / 200			
Persistent Connection Status Local Port Remote Host Remote Host IP Address State 16001 Host Name or IP address IP Address:port number Up			
IN-14428	DGW-12033	The QSIG signaling on BRI interface is not ECMA-143 compliant	QSIG, BRI
Default behavior of QSIG signaling on BRI interface New parameter Isdn.SignalingChannelInterop.InteropQsigInterpretation			
IN-11411	DGW-11733	Add the support of the G.722 voice codec on the Mediatrix C7, S7, G7, Sentinel 100, and Sentinel 400.	C7, G7, S7, Sentinel 100, and Sentinel 400

Incident #	CR #	Synopsis	Applies To
Description			
A new concept of voice codec bank is introduced. The G.722 voice codec is available from the voice codec bank number 2.			
Codecs			
Select Codec Bank: G.722 (always includes G.711, T.38, Clear Mode, Clear Channel, and X-CCD)			
Select Endpoint: Default			
Codec	Voice	Data	Advanced
G.711 a-Law	Enable	Enable	
G.711 u-Law	Enable	Enable	
G.722	Enable		
G.723.1	Enable		
G.726 16Kbps	Enable		
G.726 24Kbps	Enable		
G.726 32Kbps	Enable	Disable	
G.726 40Kbps	Enable	Disable	
G.729	Enable		
T.38		Disable	
Clear Mode	Disable	Disable	
Clear Channel	Disable	Disable	
X-CCD	Disable	Disable	

Issues Fixed

Incident #	CR #	Synopsis	Applies To												
Description															
---	DGW-12560	The SipProxy.TlsPersistentConnectionStatus parameter was renamed SipProxy.PersistentConnectionStatus.	SipProxy												
The SipProxy.TlsPersistentConnectionStatus parameter was renamed SipProxy.PersistentConnectionStatus. The TLS Persistent Connection Status parameter under DGW/SIP Proxy/Status has changed to Persistent Connection Status.															
✚ Status															
<table><tr><th>Status</th></tr><tr><td>Monitoring: Destination is Up</td></tr><tr><td>Proxy: Running</td></tr><tr><td>Total Registrations Cached: 0 / 10</td></tr><tr><td>Active Calls: 0 / 200</td></tr></table>				Status	Monitoring: Destination is Up	Proxy: Running	Total Registrations Cached: 0 / 10	Active Calls: 0 / 200							
Status															
Monitoring: Destination is Up															
Proxy: Running															
Total Registrations Cached: 0 / 10															
Active Calls: 0 / 200															
<table><tr><th colspan="4">Persistent Connection Status</th></tr><tr><th>Local Port</th><th>Remote Host</th><th>Remote Host IP Address</th><th>State</th></tr><tr><td>16001</td><td>Host Name or IP address</td><td>IP Address:port number</td><td>Up</td></tr></table>				Persistent Connection Status				Local Port	Remote Host	Remote Host IP Address	State	16001	Host Name or IP address	IP Address:port number	Up
Persistent Connection Status															
Local Port	Remote Host	Remote Host IP Address	State												
16001	Host Name or IP address	IP Address:port number	Up												
	DGW-12299	SDP precondition attributes present in the SDP offer received by DGW are added to the SDP answer causing interoperability issues.	all												
RFC 3312 SDP precondition is not supported by DGW. If SDP precondition attributes were present in an SDP offer received by DGW, these attributes were copied back into the SDP answer, which caused interoperability issues.															
Now, any SDP precondition attribute present in an SDP offer will be removed from the SDP answer, showing that the feature is not supported.															
IN-14428	DGW-12033	The QSIG signaling on BRI interface is not ECMA-143 compliant	QSIG, BRI												
The Channel Identification IE is now compliant to the ECMA-143 standard. The InteropQsigInterpretation interop parameter can be used to revert to the previous non-compliant behavior.															

Incident #	CR #	Synopsis	Applies To
Description			
	DGW-11931	The SSH welcome message is no longer being displayed when connecting to the CLI.	all
The SSH welcome message is now displayed when connecting to the CLI.			
	DGW-11783	CWMP stops responding when ACS connection requests are processed with invalid data.	all
The CWMP connection request processing loop was not handling invalid data correctly, and could become unresponsive. The CWMP client will now reject invalid or incomplete connection requests.			
IN-14243	DGW-11330	Mediatrix units may be vulnerable to CVE-2019-11479, which can cause service disruption if the vulnerability is exploited.	all
A measure was put in place to mitigate the effects of a possible DoS (denial of service) attack as described in CVE-2019-11479.			

Known Issues

Incident #	CR #	Synopsis	Applies To
	DGW-12306	UDP is not yet supported by the Outbound Proxy feature.	SIP Proxy
UDP is not yet supported in the Outbound Proxy. The Outbound Proxy feature can be enabled if the UDP transport is disabled in the unit and if TCP or TLS is enabled. Consequently, if the Outbound Proxy is required all SIP devices located behind the SIP proxy must not use the UDP transport.			

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