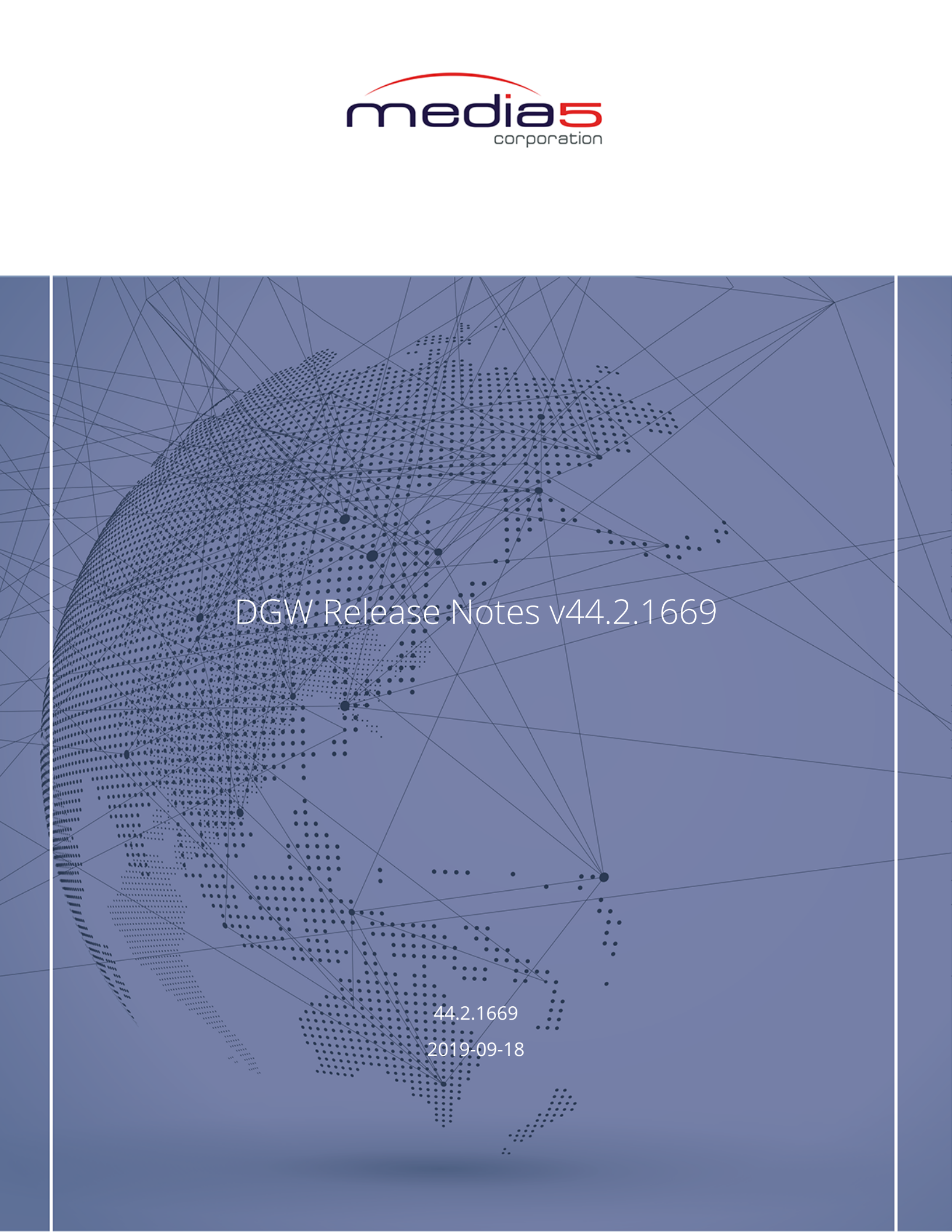


The background of the page is a dark blue gradient. It features a complex, abstract graphic consisting of a dense network of thin, light blue lines connecting numerous small, dark blue dots. These dots are arranged in a way that suggests a global map, with higher concentrations of dots and lines in the upper left and lower right areas, representing North and South America respectively. The overall effect is a sense of global connectivity and data flow.

DGW Release Notes v44.2.1669

44.2.1669
2019-09-18

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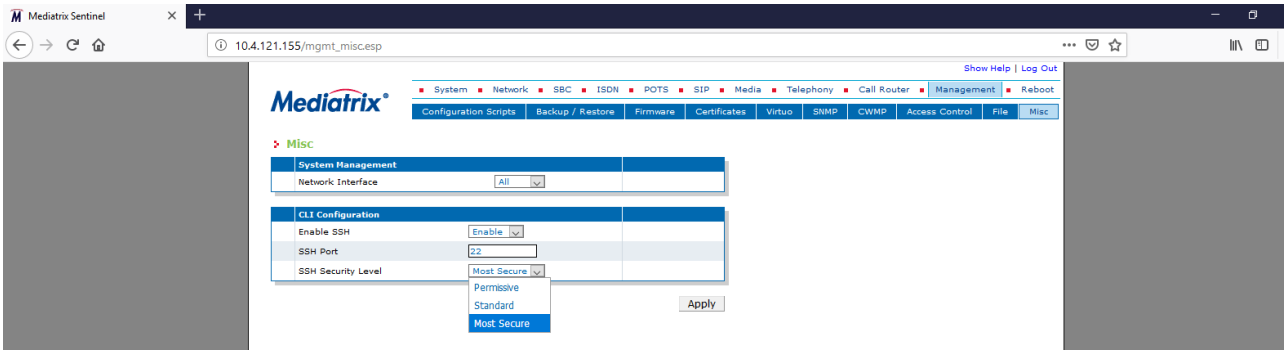
Firmware Pack

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

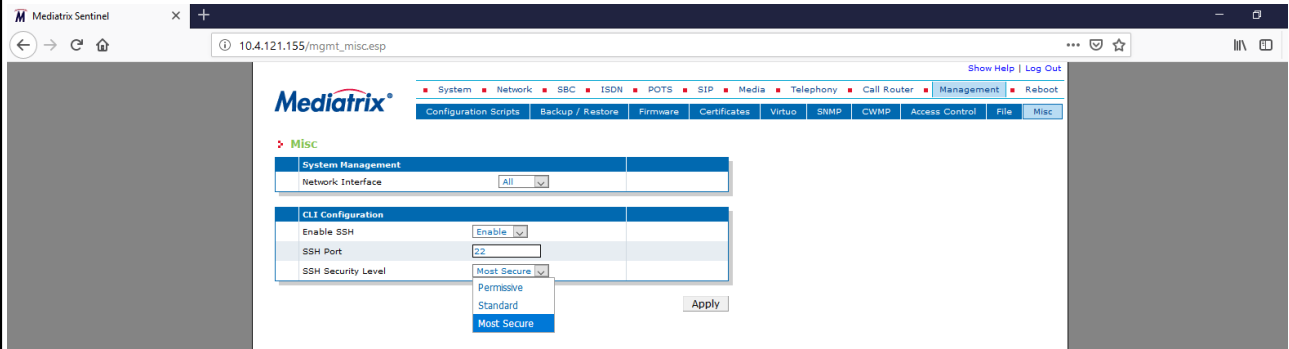
Incident #	CR #	Synopsis	Applies To
Description			
	DGW-11579		all
Description is empty in issue RN (DGW-11579)			
	DGW-10695	Add a Pause command to be used in scripts to insert waiting time.	all
A new Pause command can now be used in scripts to insert waiting time. The command is "Pause XX" where XX is a value in seconds (maximum 300).			
---	DGW-10400	The online help text displayed on the elements of the DGW Web pages must include the name of the parameter(s) related to that element.	DGW Web pages.
The online help text displayed for an element on the DGW Web pages now includes the name of the parameter(s) related to the element. For example the Online help of the Register field, located in the SIP/Registrations/Endpoint Registration table was: Indicates if the endpoint needs to register to the registrar. If set to Enable, the endpoint will become BY DEFAULT unavailable when not registered. The RegistrationUnregisteredBehavior parameter can modify this behaviour. will now be: [SipEp.UserAgent.Register] Indicates if the endpoint needs to register to the registrar. If set to Enable, the endpoint will become BY DEFAULT unavailable when not registered. The RegistrationUnregisteredBehavior parameter can modify this behaviour.			
IN-13461	DGW-10391	The default value of the Conf.ScriptsDhcpOptionsFormat parameter is now AutoDetect.	all
The default value of the Conf.ScriptsDhcpOptionsFormat parameter is now AutoDetect. For customers with non-default value in their profile, their default value stays the same.			
IN-13855	DGW-10387	Increase the range of the SipEp.DefaultSessionTimerMinimumExpirationDelay and SipEp.DefaultSessionTimerMaximumExpirationDelay parameters.	SipEp

Incident #	CR #	Synopsis	Applies To										
Description													
The range of the SipEp.DefaultSessionTimerMinimumExpirationDelay and SipEp.DefaultSessionTimerMaximumExpirationDelay parameters is now 180..86400.													
---	DGW-9975	The Ems service must support periodic provisioning.	Ems										
The Ems service now supports periodic provisioning using Virtuo. The provisioning frequency can be configured for hourly, daily, or weekly provisioning, at a configurable date/time range. Refer to the Reference Guide for more information on the following new parameters: - Ems.PeriodicProvisioningTimer - Ems.HourlyTimeRange - Ems.DailyTimeRange - Ems.WeeklyTimeRange These new parameters are not available in the DGW Web interface.													
---	DGW-9946	Add support of TCP Keep-Alive mechanism on SIP exchanges.	SIP										
For both Trunk and Endpoint gateways, a new Keep-Alive method is now supported. If the SIP gateway is configured for the TCP or TLS protocol, the TcpKeepAlive method can now be activated through the SipEp.SipKeepAliveMethod parameter. The new SipEp.SipKeepAliveRetry parameter was also added under SIP/Servers <table><tr><th colspan="2">Keep-Alive</th></tr><tr><td>Keep-Alive Method:</td><td>TCP KEEP-ALIVE ▾</td></tr><tr><td>Keep-Alive Interval (s):</td><td>30</td></tr><tr><td>Keep-Alive Retry:</td><td>3</td></tr><tr><td>Keep-Alive Destination:</td><td>First SIP Destination ▾</td></tr></table>				Keep-Alive		Keep-Alive Method:	TCP KEEP-ALIVE ▾	Keep-Alive Interval (s):	30	Keep-Alive Retry:	3	Keep-Alive Destination:	First SIP Destination ▾
Keep-Alive													
Keep-Alive Method:	TCP KEEP-ALIVE ▾												
Keep-Alive Interval (s):	30												
Keep-Alive Retry:	3												
Keep-Alive Destination:	First SIP Destination ▾												
---	DGW-9929	Endpoint gateways must failover on additional varieties of 5xx responses to INVITE transactions.	SipEp										
The SipEp.DefaultSipFailoverConditions and SipEp..GwSpecificFailover.SipFailoverConditions parameters had their syntax extended to support additional failover conditions for endpoint gateways: 504OnInvite: Failover occurs when a 504 response is received to an INVITE. No condition on the content of the response. 5xxOnInvite: : Failover occurs when a 5xx response is received to an INVITE. No condition on the content of the response.													

Incident #	CR #	Synopsis	Applies To
Description			
---	DGW-6916	Add a new parameter to control the security level of the SSH connection for the CLI.	Cli
The Cli.SshSecurityLevel parameter was added to allow the selection of three levels of security of the SSH connection for the CLI. By default the SSH connection for the CLI uses a Standard security level, which is a good compromise between security and interoperability with SSH clients. The new SSH Security Level parameter is available under DGW Web interface/Management/Misc. 			
---	DGW-6915	Improve the security for the SSH connection of the Cli service.	Cli
In DGW 44.2, the embedded SSH server for the Cli service has been upgraded to replace some unsecure ciphers by new secure ciphers. Moreover, the support of DSA host keys has been removed, in favor of ECDSA host keys. The RSA host keys are still supported.			

Modified Features, Functionalities and Interface Modifications

Incident #	CR #	Synopsis	Applies To
Description			
---	DGW-9946	Add support of TCP Keep-Alive mechanism on SIP exchanges.	SIP
The SipEp.SipKeepAliveMethod parameter was updated: the new TCP Keep-Alive value was added. The new SipEp.SipKeepAliveRetry parameter was added under SIP/Servers Keep-Alive Keep-Alive Method: TCP KEEP-ALIVE Keep-Alive Interval (s): 30 Keep-Alive Retry: 3 Keep-Alive Destination: First SIP Destination			
IN-13461	DGW-10391	The default value of the Conf.ScriptsDhcpOptionsFormat parameter is now AutoDetect.	all
The default value of the Conf.ScriptsDhcpOptionsFormat parameter is now AutoDetect. For customers with non-default value in their profile, their default value stays the same.			
IN-13855	DGW-10387	Increase the range of the SipEp.DefaultSessionTimerMinimumExpirationDelay and SipEp.DefaultSessionTimerMaximumExpirationDelay parameters.	SipEp
The range of the SipEp.DefaultSessionTimerMinimumExpirationDelay and SipEp.DefaultSessionTimerMaximumExpirationDelay parameters is now 180..86400.			
IN-13865	DGW-9582	Under some circumstances when a VM is present and multiple PRI channels are active, some RTP packet loss is observed.	Sentinel 400
- Improved the Ethernet driver on S400 - Increased the network priority on S400			
---	DGW-6916	Add a new parameter to control the security level of the SSH connection for the CLI.	Cli

Incident #	CR #	Synopsis	Applies To
Description			
A new SSH Security Level parameter is available under DGW Web interface/Management/Misc. 			
Some old SSH clients software may no longer be able to connect to the Cli service due to a default configuration that is more secure than previously. If that is the case, there are two options: • Media5 recommends using a recent SSH client software. • Or the Cli.SshSecurityLevel parameter can be configured to Permissive from the Management/Misc DGW Web page.			
---	DGW-6915	Improve the security for the SSH connection of the Cli service.	Cli
Some old SSH clients software may no longer be able to connect to the Cli service due to the removal of the DSA/DSS keys. Media5 recommends using a recent SSH software to connect to Mediatrix units. On the first SSH connection following the upgrade to DGW 44.2, the SSH client software will likely ask again to trust the Mediatrix unit. This can be prevented by configuring the SSH client software to prioritise a RSA host key algorithm before the ECDSA algorithm.			

Issues Fixed

Incident #	CR #	Synopsis	Applies To
Description			
	DGW-11216	The ISDN, R2, and Eam DGW Web pages are not available with the custom profile.	PRI
The ISDN, R2, and Eam DGW Web pages are now available with the custom profile.			
IN-13430	DGW-10649	When the unit is started, the execution of the configuration script may fail if provisioning from an ACS is executed during the same interval of time.	all
When the unit was started, the execution of the configuration script could fail if provisioning from an ACS was executed during the same interval of time. This happened when both systems were using the same user and competing for setting the configuration of the unit. When the unit is started, if a script is executed, all Set operations via TR-069 are now blocked until the script is completed in order to avoid having two methods configuring the unit at the same time.			
---	DGW-10646	On the Configuration Scripts Web page, a "#" appeared for no reason in the URL and, in some cases, the page would not refresh.	all
On the Configuration Scripts web page, the "#" no longer appears and the page can be refreshed.			
IN-13865	DGW-9582	Under some circumstances when a VM is present and multiple PRI channels are active, some RTP packet loss is observed.	Sentinel 400
Sometimes, when a network packet burst occurs, the Mediatrix S400 drops some packets internally instead of sending them to the network interface. RTP packets are now all sent to the network interface.			

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