

The background of the page is a dark blue network map. It consists of a dense web of thin, light grey lines connecting numerous small, dark grey circular nodes. The nodes are more densely packed in certain areas, forming a shape that resembles a map of the United States. The overall effect is a complex, interconnected digital network.

DGW Release Notes v2.0.42.768

2.0.42.768

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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 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| --- | DGW-7879 | The virtualised network adapter must be configurable in the Virtual Machine. | VM |
| <p>The virtualised network adapter is now configurable via the VM service. The default choice is the Intel 82540em (a.k.a e1000), and if the OS supports it, it can be configured for "virtio-net" (a.k.a. virtio)</p>  <p>The screenshot shows a 'Virtual Machine Configuration' window with a table of settings. The 'Network Adapter' column is set to 'virtio'. Other settings include 'Vm Name' (Centos7), 'Iso Name', 'MAC Address' (12:e3:dd:09:b3:f5), 'Vnc Id' (0), 'Usb' (None), and 'Startup' (Manual). There are also control buttons for play, stop, and refresh.</p> | | | |
| IN-12889 | DGW-7682 | Add FXO port calibration customisation. | FXO |
| <p>It is now possible to adjust the digital hybrid coefficients for FXO telephony cards. The Pots.FxoCustomBasicParameters[Id=FXO].DigitalHybrid parameter was added to allow the configuration of the digital hybrid coefficients for FXO telephony cards. This new parameter is not available in the DGW Web interface. This new parameter will only be applied if the Pots.FxoCustomBasicParameters[Id=FXO].OverrideDefaultCountryParameters parameter is enabled.</p> | | | |
| IN-13099 | DGW-7259 | Create a virtual network interface, independent of a physical ethernet port (i.e. not bridged) to enable communication between the host and the VM(s) instance. | VM |
| <p>A virtual network interface can now be added to the host to enable communication between</p> <ul style="list-style-type: none"> the host and the VM(s) or one VM to another <p>The interface uses a specified IP address from the provisioning. Two new parameters were created:</p> <ul style="list-style-type: none"> InternalVirtualSwitchEnable: specifies if an internal virtual network interface should be created between the VM(s) and the host. InternalVirtualSwitchIpAddress: specifies the IP address and subnet mask to use on the host. | | | |
| IN-12528 | DGW-5539 | Add an interoperability parameter to send a 183 with SDP before sending a 180 on FXS endpoints. | all |
| <p>The SipEp.InteropSend183WithSdpBefore180 interoperability parameter was added to send a 183 with SDP before sending a 180 on FXS endpoints.</p> | | | |

| Incident # | CR # | Synopsis | Applies To |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------|------------|
| Description | | | |
| <p>The feature is disabled by default and can be activated via the SipEp.InteropSend183WithSdpBefore180 parameter. This parameter is not available in the DGW Web interface.</p> | | | |
| --- | DGW-3460 | Add new diagnostic log file troubleshooting feature. | all |
| <p>This feature enables the collection of data analysis information into a compressed archive after a system interruption or on demand via the new diagLogAutomaticDump parameter. This parameter can also disable the diagnostic file log generation after a system interruption. Depending on the unit, it may take several minutes for the generation of the diagnostic log and therefore restarting the unit may take longer after a system interrupt. The new diagLogAutomaticDump parameter is available in the DGW Web interface under System/Diagnostic.</p> | | | |
| <p>The result of the generation of the diagnostic log file is a tar compressed file containing system information files such as disk space usage, unit info, uptime, and the system RAM. On some platform the core dump might be present.</p> | | | |

Modified Features, Functionalities and Interface Modifications

| Incident # | CR # | Synopsis | Applies To |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Description | | | |
| IN-12889 | DGW-7682 | Add FXO port calibration customisation. | FXO |
| <p>The Pots.FxoCustomBasicParameters[Id=FXO].DigitalHybrid parameter was added to allow the configuration of the digital hybrid coefficients for FXO telephony cards. This parameter is not available in the DGW Web interface.</p> | | | |
| IN-13099 | DGW-7259 | Create a virtual network interface, independent of a physical ethernet port (i.e. not bridged) to enable communication between the host and the VM(s) instance. | VM |
| <p>Two new parameters were created:</p> <ul style="list-style-type: none"> • InternalVirtualSwitchEnable: specifies if an internal virtual network interface should be created between the VM(s) and the host. • InternalVirtualSwitchIpAddr: specifies the IP address and subnet mask to use on the host. | | | |
| IN-13122 | DGW-7092 | Allow ISDN switches to use logical numbering instead of the ISDN standard numbering. | PRI |
| <p>The new InteropConsecutiveChannelIndicator interop parameter allows the ISDN service to send the channel indicator in consecutive logical numbering instead of physical numbering as it should be. The parameter can have two different values:</p> <ul style="list-style-type: none"> • enabled: numbering goes from 1 to 30 • disabled: numbering goes from 1 to 15 and 17 to 31. IMPORTANT: The new InteropConsecutiveChannelIndicator interop parameter should NOT be enabled except when the other side of the ISDN line is known to not follow the ISDN specification. | | | |
| IN-12842 | DGW-6924 | SIP Signalling is not handled properly by QoS. | Lldp |
| <p>When the network policy for the specified application type is unknown, the VLAN ID, the Layer 2 priority, and the DSCP value fields will be ignored.</p> | | | |
| --- | DGW-3460 | Add new diagnostic log file troubleshooting feature. | all |
| <p>The manual diagLogAutomaticDump parameter was created to manually enable/disable the collection of information files into a compressed archive for later analysis.The new</p> | | | |

| Incident # | CR # | Synopsis | Applies To | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----------------------------------------|------------|------------------------------|--|--|-----------------|------------------------------------------------------------------------|-----------------------------------------|
| Description | | | | | | | | | |
| diagLogAutomaticDump parameter is available in the DGW Web interface under System/Diagnostic. | | | | | | | | | |
| <p data-bbox="180 401 391 443"> ❖ Diagnostic </p> <div data-bbox="175 474 1349 653" style="border: 1px solid #ccc; padding: 5px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" data-bbox="175 474 1078 516" style="background-color: #0070c0; color: white;">Diagnostic Log Configuration</th> <th data-bbox="1078 474 1349 516"></th> </tr> </thead> <tbody> <tr> <td data-bbox="175 516 732 569">Automatic Dump:</td> <td data-bbox="732 516 1078 569"> <input type="button" value="Enable"/> <input type="button" value="v"/> </td> <td data-bbox="1078 516 1349 569" style="text-align: right;"> <input type="button" value="Dump Now"/> </td> </tr> </tbody> </table> <p data-bbox="1224 611 1341 653" style="text-align: right; margin-top: 10px;"> <input type="button" value="Apply"/> </p> </div> | | | | Diagnostic Log Configuration | | | Automatic Dump: | <input type="button" value="Enable"/> <input type="button" value="v"/> | <input type="button" value="Dump Now"/> |
| Diagnostic Log Configuration | | | | | | | | | |
| Automatic Dump: | <input type="button" value="Enable"/> <input type="button" value="v"/> | <input type="button" value="Dump Now"/> | | | | | | | |

Issues Fixed

| Incident # | CR # | Synopsis | Applies To |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------|------------|
| Description | | | |
| --- | DGW-7901 | Access to deprecated Isdn.PrimaryRateInterface.LineType parameter via the CLI or configuration script are not working. | all |
| The access to the deprecated Isdn.PrimaryRateInterface.LineType parameter via the CLI or configuration script is now correctly redirected to the Hardware.Ports.LineType parameter. | | | |
| IN-13221 | DGW-7523 | Unit does not send DTMF in RTP media if a re-INVITE is received between the DTMF start and the DTMF end. | all |
| This scenario occurred when the Key Press Stimulus (KPML) feature was used to initiate telephony supplementary services such as hold/resume. The DTMF NOTIFY for KPML is now sent after the DTMF end reducing the occurrence of the problem | | | |
| IN-13180 | DGW-7406 | Monitoring and Blacklisting parameters in the Sbc Call Agents are not retained when "cancel modification" is used. | Sbc |
| When a Call Agent is modified or deleted and if the "cancel modification" is used, the Monitoring and Blacklisting sections are now restored. | | | |
| --- | DGW-7308 | Conference calls may fail when processing many calls and when more than one conference call is hosted on the unit. | all |
| Conference calls on the Mediatrix S7/G7 series and the Sentinel 100/400 units with more than one DSP could fail even if the unit had sufficient resources. Conference calls no longer fail. | | | |
| --- | DGW-7287 | The connection to upload a file in HTTPS was accepted using a TLS version lower than the one configured. | all |
| TLS minimum version was only enforced in downloads. It is now enforced both in uploads and downloads. | | | |
| --- | DGW-7248 | 90-second delay when unit receives a restart on channel 16. | PRI |
| When the unit received an unexpected ISDN Restart on channel 16, D Channel, there was a 90-second delay before the unit continued to respond to the next restart. The unit now ignores restarts on channel 16. | | | |

| Incident # | CR # | Synopsis | Applies To |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------|------------|
| Description | | | |
| IN-12842 | DGW-7098 | When a call is forked and a re-invite is sent to renegotiate the SDP the call closes. | all |
| The call no longer closes when a call is forked and a re-invite is sent to renegotiate the SDP. | | | |
| IN-13122 | DGW-7092 | Allow ISDN switches to use logical numbering instead of the ISDN standard numbering. | PRI |
| <p>Some ISDN switches use a logical numbering from 1 to 30 for the timeslots instead of the ISDN standard physical numbering from 1 to 15 and 17 to 31 bypassing the signaling timeslot 16 which must not be used for data transmission. The new InteropConsecutiveChannelIndicator interop parameter was added to use the logical numbering scheme instead of the ISDN standard. When enabled, this new interop parameter allows the ISDN service to send the channel indicator in consecutive logical numbering instead of physical numbering as it should be. The parameter can have two different values:</p> <ul style="list-style-type: none"> • enabled: numbering goes from 1 to 30 • disabled: numbering goes from 1 to 15 and 17 to 31. IMPORTANT: The new InteropConsecutiveChannelIndicator interop parameter should NOT be enabled except when the other side of the ISDN line is known to not follow the ISDN specification. | | | |
| --- | DGW-7031 | A Virtual Machine can use more storage than capacity configured in Vm service. | VM |
| A Virtual machine can no longer be created with a disk capacity higher than the disk capacity configured in VM configuration file. | | | |
| IN-13098 | DGW-6932 | ISDN channels remain in maintenance state following ISDN restart procedure. | Isdn |
| When the Isdn service is restarted, the Restart messages are now handled properly if channel numbers span across multiple information elements. Therefore, ISDN channels no longer remain in maintenance state if the Isdn service is restarted. | | | |
| IN-12842 | DGW-6924 | SIP Signalling is not handled properly by QoS. | Lldp |
| After discovering the VLAN ID from the LLDP, SIP Diffserv flags were not tagged correctly causing the signaling policy to be wrong. When the network policy for the specified application type is unknown, the VLAN ID, the Layer 2 priority and the DSCP value fields will now be ignored. | | | |
| | DGW-5726 | CWMP active notifications for FXS endpoints are not sent properly when a PRI card is present. | FXS, PRI |
| CWMP active notifications are now sent properly even if there is a mix of telephony cards. | | | |

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