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Release Notes

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DCP-Series: R12.0.1

This release note documents the R12.0.1 release for the DCP platform. This is a functional release with new SW features.Â
The main SW features are:

- Support for ULH 400G QSFP-DD, TQD029-TUNC-SO
- SNMPv3 traps
- Migration from SO-SHELF-CTRL-XX to DCP-SC-28P for ROADM and ILA nodes
- Automated ILA solution in combination with DCP-M32-CSO-ZR+
- gNMI telemetry streaming for DCP-M32-CSO-ZR+ and ILA
- OSPF improvements
- Possibility to dynamically update the list of supported transceivers

DCP-M

gNMI Telemetry Streaming Support for Embedded ILA Mode #10564

gNMI-based telemetry streaming is now supported for ILAs operating in embedded mode. This mode is used when ILAs are deployed with the DCP-M32-CSO-ZR+ module.

Secure gNMI Mode with Certificate Support #10565

Support for secure gNMI communication using TLS with certificate-based authentication has been introduced.

The implementation includes the following capabilities:

•Generation of private key
•Creation of a certificate signing request (CSR)
•Import of device certificates
•Import of trusted CA certificates
•Option to enable client certification validation

DCP-M32-CSO-ZR+: Streaming Telemetry via gNMI #10594

Streaming telemetry using gNMI has been implemented for the DCP-M32-CSO-ZR+. This feature enables gNMI-based access to a set of selected parameters. The implementation includes the core framework for connection establishment and supports multiple subscription models.

DCP-M32-CSO-ZR+: Embedded ILA Mode #10595

In previous releases, ILA could only be used with DCP-M in manual mode, requiring all configurations to be performed manually. In this release, a new mode called **embeddedILA** has been introduced on both DCP-M32-CSO-ZR+ and DCP-2 ILA. This mode enables automatic configuration of both units, eliminating the need for manual setup. This new **embeddedILA** mode only applies to DCP-M32-CSO-ZR+ and DCP-2 ILA.

Updated channel numbers in Mibs for DCP-M32-CSO-ZR+ in R12.0.1 #10597

The channel numbers for DCP-M32-CSO-ZR+ have been updated from 4 digits to 8 digits in the Mibs to match the flexgrid standard that is also used on ROADMs.
This could affect alarm correlation in external systems.
SoSmart is also affected and it is required to use SoSmart 7.0.1 or later to get correct alarm correlation for DCP-M32-CSO-ZR+.

DCP-R

NETCONF Commands to Start and Read OTDR #10567

NETCONF commands to initiate and retrieve OTDR measurements on DCP-R have been added.

This enables integration with SoSmart for starting OTDR scans and displaying the results.

SHELF CONTROLLER

Migrate from SO-SHELF-CTRL_XX to DCP-SC-28P for ROADM Nodes #10560

ROADM nodes can be migrated from SO-SHELF-CTRL_XX to DCP-SC-28P without traffic interruption. For detailed migration instructions, refer to the SO-SHELF-CTRL_XX user manual.

This migration procedure has been written and validated only for configurations without OSPF and without a port extender.
Contact Smartoptics before attempting migration on ROADM nodes that include either of these functions.

Migrate from SO-SHELF-CTRL_XX to DCP-SC-28P for ILA Nodes #10561

Migration from SO-SHELF-CTRL_XX to DCP-SC-28P is supported for ILA nodes and can be performed without traffic interruption. For detailed migration instructions, refer to the SO-SHELF-CTRL_XX user manual.

Please note that the provided instructions have been developed and verified only for configurations without OSPF. If you intend to migrate a ROADM node with OSPF enabled, contact Smartoptics for further guidance.

SNMP Entity MIB Support for DCP-SC-28P Inventory #10562

The SNMP Entity MIB now includes inventory for power supplies and fan units for DCP-SC-28P.

Support for "show linkview" CLI Command on DCP-SC-28P ILA Nodes #10563

The **`show linkview`** CLI command is now supported for DCP-SC-28P ILA nodes.

NETCONF Commands to Start and Read OTDR #10567

NETCONF commands to initiate and retrieve OTDR measurements on DCP-R have been added.

This enables integration with SoSmart for starting OTDR scans and displaying the results.

DCP-SC-28P: OSPF Passive Mode Configuration for All Ethernet Ports #10568

It is now possible to configure OSPF passive mode on all Ethernet ports of the DCP-SC-28P via CLI.

Passive mode is recommended for ports 17–20 and 21–26 when used for connections to DCP-2 or other external chassis.

DCP-SC-28P: CLI Configuration of OSPF Link Metrics #10569

Support has been added to configure individual OSPF link metrics via CLI on the DCP-SC-28P.

DCP-SC-28P: Updated OSPF Default Settings for Ports 21-26 #10570

The OSPF default settings for Ethernet ports 21–26 on the DCP-SC-28P have been updated to match those of ports 17–20.

These ports are intended for external equipment connections. The default OSPF mode is now passive, and it is possible to configure an IP address range.

DCP-1203

Support 400G QSFP-DD ULH (TQD029-TUNC-SO) #10557

Support has been added for the 400G QSFP-DD Ultra Longhaul (ULH) transceiver TQD029-TUNC-SO, compliant with CMIS 5.3.

This transceiver is now fully supported on DCP-404 and DCP-1203, enabling extended-reach optical transport capabilities.

Dynamic Update of Certified Transceiver List for QSFP #10558

Support has been added for dynamically updating the list of certified transceivers via JSON file import.

This functionality applies to both QSFP28 and QSFP-DD modules and allows updates without requiring a new software release.

DCP-404

Support 400G QSFP-DD ULH (TQD029-TUNC-SO) #10557

Support has been added for the 400G QSFP-DD Ultra Longhaul (ULH) transceiver TQD029-TUNC-SO, compliant with CMIS 5.3.

This transceiver is now fully supported on DCP-404 and DCP-1203, enabling extended-reach optical transport capabilities.

Dynamic Update of Certified Transceiver List for QSFP #10558

Support has been added for dynamically updating the list of certified transceivers via JSON file import.

This functionality applies to both QSFP28 and QSFP-DD modules and allows updates without requiring a new software release.

DCP-110

Dynamic Update of Certified Transceiver List for QSFP #10558

Support has been added for dynamically updating the list of certified transceivers via JSON file import.

This functionality applies to both QSFP28 and QSFP-DD modules and allows updates without requiring a new software release.

DCP-108

Dynamic Update of Certified Transceiver List for QSFP #10558

Support has been added for dynamically updating the list of certified transceivers via JSON file import.

This functionality applies to both QSFP28 and QSFP-DD modules and allows updates without requiring a new software release.

Display Transceiver Firmware Version for Coherent QSFP28 #10559

The firmware version of coherent QSFP28 transceivers can now be displayed via the CLI on DCP-108.

RESOLVED BUGS

DCP-SC-28P: The CLI command "show linkview" does not work. #10511

On ILA nodes with the DCP-SC-28P controller, the `show linkview` command does not function as expected.

Workaround (prior to fix):
No direct workaround. The `show osclinkview` command can be used to retrieve partial link status information.

Resolution (available in R12.0.1):
The `show linkview` command has been corrected and now functions as intended on ILA nodes with the DCP-SC-28P controller.

Traffic sometimes does not go up after QSFP-DD is inserted or after cold start #10573

In some cases, traffic does not resume automatically after inserting a QSFP-DD transceiver into a DCP-110 or DCP-1203. The issue may also occur if the module is cold started. Although the transceiver is detected, the interface does not activate and traffic remains down.

Workaround (prior to fix):
Reboot the affected card to restore traffic.

Resolution (available in R12.0.1):
The transceiver initialization sequence has been improved to ensure traffic is restored automatically after insertion or cold start.

DCP-2 + DCP-404: Unexpected "Low diskspace" alarm. #10576

A “low diskspace” alarm can be triggered on DCP-404 due to excessive internal memory usage.

Workaround (prior to fix):
There is no user-accessible workaround. Contact Smartoptics support for assistance in resolving the issue.

Resolution (available in R12.0.1):

In R12.0.1, background processes and scripts have been improved to prevent the system memory from filling up unexpectedly and trigger a "Low diskspace" alarm.

SNMP: Alarm table not updated directly when a trap is sent #10577

In releases before R12, the node does not immediately update the alarm table after sending an SNMP trap. As a result, network management systems such as SoSmart may not display the new alarm unless a subsequent poll of the alarm table is performed. This leads to a mismatch between the trap and the visible alarm state in the management system.

Workaround (prior to fix):
Manually refresh the alarm view in the Network Manager to trigger a new read of the alarm tables.

Resolution (available in R12.0.1):
The node now updates the DCP-ALARM-MIB alarm tables directly after sending an SNMP alarm trap. This ensures that new alarms are visible in the Network Manager without requiring a manual refresh.

DCP-R: “show node members” reports some members as disconnected #10578

Nodes with Shelf Controllers managing DCP-R units or DCP-2-based ILA configurations occasionally reported one or more degrees as “Disconnected” when using the `show node members` command. The issue was caused by timing and Ethernet communication inconsistencies between the Shelf Controller and the connected degrees.

Workaround (prior to fix):
The issue could be resolved by accessing each affected degree via the rescue CLI and manually rebooting the unit.

Resolution (available in R12.0.1):
The communication handling between the Shelf Controller and degrees has been improved to detect and automatically recover from unresponsive states, removing the need for manual reboot.

DCP-SC-28P ILA: Fixed issue with PPM module in slot 1 not appearing in inventory #10579

In a DCP-SC-28P ILA (In-Line Amplifier), Passive Plug-in Modules (PPMs) installed in slot 1 do not appear in the output of the `show inventory` command, while PPMs in slot 2 are displayed correctly.

Workaround (prior to fix):
None available.

Resolution (available in R12.0.1):
The inventory logic is corrected to ensure that PPMs in both slots 1 and 2 are detected and listed accurately when using the `show inventory` command.

Platform: Wrong alarm presented when PSU cable is removed #10580

On some platforms, when the PSU cable is removed, the system may incorrectly raise the alarm **"Power supply input voltage low"** instead of the expected **"External power missing"**. This behavior occurs with specific PSUs that do not report 0 V when disconnected. Affected platforms include DCP-2, DCP-R, DCP-M, and DCP-R.

> **Workaround (prior to fix):**
> Replace the PSU with one that correctly reports 0 V when no input is present, or update to R12.0.
>
> **Resolution (available in R12.0.1):**
> The alarm logic has been corrected to ensure that **"External power missing"** is raised when input voltage is absent, even if the PSU fails to report 0 V.

OTDR measurements does not work with specific SFPs #10581

In some installations, certain OTDR SFP transceivers are not recognized correctly after an OTDR measurement. When this occurs, the transceiver is reported as not supported, and the OTDR function becomes unavailable.

Workaround (prior to fix):
Replace the affected transceiver or upgrade to R12.0.1.

Resolution (available in R12.0.1):
Updated the system to correctly identify and support affected transceivers, restoring OTDR functionality.

Cold start issues for cascaded solutions with DCP-404 and TQD013-TUNC-SO #10582

Under specific configurations using cascaded DCP-404 units with TQD013-TUNC-SO transceivers, traffic may fail to initialize correctly after a cold start. This issue is observed when the number of connected client transceivers exceeds two on each side. The problem manifests as a active "Remote client fault" alarm.

Workaround (prior to fix):
Toggling the `adminstatus` or adjusting the frequency on the affected line transceiver may restore traffic.
Removing cascaded clients resolves the issue.

Resolution (available in R12.0.1):
The system now includes an automatic recovery mechanism that detects this cold start condition and restores traffic without manual intervention.

DCP-SC-28P ROADM: Missing "show linkview" CLI commands for link status visibility #10583

The CLI commands `show linkview` and `show linkview detail` are not available on ROADM nodes using the DCP-SC-28P shelf controller. This affects users who rely on these commands to view the link topology and status.

Workaround (prior to fix):
Use the alternative commands `show osclinkview` or `show osclinkview detail` to retrieve similar information.

Resolution (available in R12.0.1):
The missing `show linkview` and `show linkview detail` CLI commands are restored and now function as expected on DCP-SC-28P ROADM nodes.

DCP-SC-28P: The traceroute CLI command is not working #10584

The `traceroute` command from the CLI on the DCP-SC-28P does not function as expected.

Workaround (prior to fix):
None available.

Resolution (available in R12.0.1):
The issue is resolved in release R12.0.1. The `traceroute` command now executes successfully from the DCP-SC-28P CLI.

DCP-F-DE22: EQ-side CLI displays incorrect Rx power levels in combined mode #10585

In combined mode, the Rx power levels reported in CLI for the **EQ side** of the DCP-F-DE22 are incorrect.

Workaround (prior to fix):
None available.

Resolution (available in R12.0.1):
The issue is resolved by correcting how the Rx power levels are retrieved and displayed in combined mode.

DCP-M32-CSO-ZR+: Missing "Transceiver missing" alarm for OSC SFP #10586

The DCP-M32-CSO-ZR+ does not raise the expected "Transceiver missing" alarm for the OSC SFP port.

Workaround (prior to fix):
None available.

Resolution (available in R12.0.1):
The system now correctly raises a "Transceiver missing" alarm for the OSC SFP in the DCP-M32-CSO-ZR+.

DCP-M32-CSO-ZR+: Not possible to set WSS drop attenuation #10587

The CLI command for setting the WSS drop attenuation fails to execute. The configuration attempt results in an error and the attenuation is not applied.

Workaround (prior to fix):
None available.

Resolution (available in R12.0.1):
The `wssDropAttenuation` parameter can now be successfully configured via CLI on supported interfaces.

Platform: "show syslog" output remains empty after "clear syslog alarm", "clear syslog config", or "clear syslog access" #10588

On DCP-2, DCP-M, DCP-R, DCP-F, and Shelf Controller platforms, executing any of the following commands causes the corresponding `show syslog` output to remain empty—even when new entries should appear:

```
clear syslog alarm

clear syslog config

clear syslog access
```

The syslog functions for alarm, configuration, and access logs are not properly repopulated after being cleared.

Workaround (prior to fix):
Rebooting the chassis restores normal syslog logging behavior.

Resolution (available in R12.0.1):
The issue is resolved by modifying the internal syslog handling logic to correctly reinitialize the alarm, configuration, and access log buffers after a clear operation.

DCP-R: Shelf controller can be incorrectly added to multiple ROADM clusters #10589

In earlier releases, it is possible to log in to a new ROADM degree and add a shelf controller (SO-SHELF-CTRL-XX) that is already part of another ROADM cluster. This results in the same shelf controller being assigned to multiple clusters, causing both to enter an invalid state and stop functioning.

This behavior is limited to ROADM nodes with SO-SHELF-CTRL-XX and can be triggered through the CLI.

Workaround (prior to fix):
Contact Smartoptics Support to recover affected systems.

Resolution (available in R12.0.1):
The CLI no longer provides dynamic commands to add nodes that are already part of a cluster.

SNMP DCP-LINKVIEW-MIB table does not include DCP-R linkview data #10590

In previous releases, the `dcpLinkviewTable` in the SNMP DCP-LINKVIEW-MIB remains empty and does not reflect the output of the `show linkview` CLI command. As a result, SNMP-based monitoring systems do not receive line information for DCP-R devices.

This issue affects DCP-SC-28P and SO-SHELF-CTRL-AC/DC platforms managing DCP-R nodes.

Workaround (prior to fix):
None available.

Resolution (available in R12.0.1):
The `dcpLinkviewTable` is now populated with accurate data, matching the CLI `show linkview` output.

Traffic interruption on reboot if pulse shaping is enabled on TQD014-TUNC-SO #10598

The transceiver TQD014-TUNC-SO does not support pulse shaping. However, in releases prior to R12.0.1, DCP-404 and DCP-1203 attempted to apply pulse shaping settings to all coherent transceivers by default. Since the default configuration for this parameter is “enabled,” the system would attempt to enforce this setting during initialization.

Upon reboot, the system compares the current configuration with the intended configuration. For TQD014-TUNC-SO, the pulse shaping parameter is always reported as “disabled.” If it is configured as “enabled,” this mismatch triggers the transceiver reinitialization process, leading to a traffic interruption lasting 1–2 minutes.

Workaround (prior to fix):
Configure pulse shaping to disable.

Resolution in R12.0.1:
From release R12.0.1 onward, the system checks if the pulse shaping parameter is configurable on the transceiver. If it is not, the system skips applying the setting. This prevents unnecessary reinitialization and traffic interruptions during reboot.

UNRESOLVED BUGS

Early CLI login after reboot or coldstart may show incomplete attributes #10037

If a user logs in too soon after a reboot or coldstart, some attributes may not be available or displayed correctly in the CLI.

Workaround (prior to fix):
Issuing the same command again a few seconds later typically resolves the issue as the system finishes initializing.

Fiber Intrusion Alarm is deactivated on reboot #10038

In a DCP-1610 system operating in crypto mode, an active Fiber Intrusion Alarm is expected to persist ("sticky") until manually cleared by the user, regardless of subsequent changes to the fiber condition. However, if the system is rebooted and the intrusion condition (e.g., an open or tampered fiber) is no longer present at startup, the alarm is incorrectly deactivated.

Workaround (prior to fix):
None available.

False Loss of Lock alarm on DCP-101 after cold start #10039

Following a cold start of the DCP-101 unit, a false “Loss of lock” alarm may be triggered. In some cases, an additional reboot is required to clear the alarm, even though the unit is functioning correctly.

Workaround (prior to fix):
None available.

OTDR SFP measurement may trigger exception error #10040

When performing an OTDR measurement using a functioning OSC link, an exception error may occur during execution.

Workaround (prior to fix):
Retry the OTDR measurement after approximately 30 seconds.

Traffic interruption if SFP VOA is used when upgrading from release earlier than R7.1.1 #10105

When upgrading from a software release earlier than R7.1.1 on a system using an SFP VOA, a brief traffic interruption of approximately 8 to 15 seconds may occur during the upgrade process.

Workaround (prior to fix):
None available.

CLI may get stuck in startup mode and signal power is not detected after DCP-R replacement in 1D nodes #10165

This issue affects nodes with only one degree. After replacing the DCP-R unit in a 1D node, the CLI may remain stuck in startup mode. As a result, signal power is not detected and traffic does not pass through the node.

Workaround (prior to fix):
Replace both the DCP-R unit and the shelf controller in the affected 1D node. The replacement procedure is documented in the *DCP-R User Manual*.

OCCASIONALLY LOST COMMUNICATION WITH TRANSCEIVERS on DCP-101 #10166

1 out of 500 the alarm can stop to work for the DCP-101. This can be seen with “show inventory” and the transceivers will be missing if this is the case. To solve this issue you need to perform a cold start of the slot module.

“HIGH TEMP WARNING” ALARM ON REBOOT #10167

The fan units will start with low fan speed during boot for systems with boot loader “2016.09.01-DCPR2.1” and earlier. This means that there is a risk that high temperature alarms on QSFP-DD may be triggered during boot. This is only an issue with DCP-1203 with transceiver TQD014-TUNC-SO.

To avoid this it is recommended to upgrade the boot loader to a newer version that will start with current fan speed during boot. The upgrade of the boot loader will not happen automatically at the upgrade to R8.1.1. It is a separate process to upgrade boot loader.

The current boat loader version can be seen by typing the CLI command “show version”. With II-VI High Power QSFP-DD we get “High temp warning” on reboot if the DCP-2 uses the old U-Boot.

INTERFACE DIAGNOSTICS IS SHOWING FEC ERRORS FROM ASIC INSTEAD OF QSFP-DD #10169

The FEC counters in interface diagnostics are based on the FEC counters on the ASIC instead of the QSFP-DD. The FEC counters for QSFP-DD can still be monitored as part of the coherent parameters in show interface for a specific port.

LOW/HIGH POWER ALARM NOT WORKING WITH DEFAULT SETTINGS #10190

The low and high power alarms are not working when the default settings are used. The workaround is to configure the alarm thresholds. Then the alarm thresholds will work.

FEC COUNTERS FOR SO-TQSFPDD4CCZRP STOP COUNTING AFTER TOGGLING APPLICATION CODE OR FREQUENCY #10236

There is a firmware bug in SO-TQSFPDD4CCZRP that causes FEC counters stop counting after toggling application code or frequency. This means that diagnostics will show 0 all the time for the FEC counters. It is possible to clear this fault by doing reboot, clear interface diagnostics or toggle admin status.

DCP-101 NOT WORKING WITH SO-CFP-SR10 #10258

DCP-101 failed in the regression test when SO-CFP-SR10 was used on the line side. It is not recommended to upgrade systems with SO-CFP-SR10 to R9.0.1.

PULSE SHAPE ENABLE SETTING LOST AFTER COLD START FOR SO-TQSFPDD4CCZRP WITH APP CODE 1 #10259

Pulse shaping setting is lost after cold start if SO-TQSFPDD4CCZRP is used for app code 1 and with pulse shaping is enabled. The CLI will still show enable, but the actual setting is changed to disable. It is necessary to set pulse shaping to disable first and then set enable again.

SETTING ADMIN STATUS TO DOWN WILL NOT TURN OFF LASER WHEN LASER FORCED ON IS ENABLED #10286

It is expected that the laser should be turned off when admin status is set to down, but this is not happening if laser forced on is enabled. In order to turn off the laser it is necessary to set both admin status to down and laser forced on to disable.

SETTING ADMIN STATUS TO DOWN ON 10G PORTS WILL NOT TURN OFF LASER WHEN LASER FORCED ON IS ENABLED #10288

It is expected that the laser should be turned off when admin status is set to down, but this is not happening for 10G ports if laser forced on is enabled. In order to turn off the laser it is necessary to set both admin status to down and laser forced on to disable.

TRAFFIC DOESN'T ALWAYS RECOVER AFTER COLD START OF DCP-110 WITH LR4 OR LR4-10L QSFP28 ON THE LINE #10289

In some cases the DCP-110 doesn't recover traffic after cold start when LR4 and LR4-10L QSFP28 units are used on the line side. It is possible to get the traffic back by toggling the FEC. This is done by setting the FEC to enable and disable.

NOT POSSIBLE TO CHANGE DISPERSION MODE ON TQ2028-TUNC-SO WITH FW 2.01 #10510

There is an issue with dispersion setting for TQ2028-TUNC-SO with FW version 2.01. Smartoptics default value for extended dispersion mode is set to enable.

DCP-M32-CSO-ZR+: Portreset not working on channel level #10571

Portreset per channel does not reset the specified channel. For example, the command `clear interface if-1/956000` does not reset the channel as expected.
Only the command `clear interface all portreset` successfully resets the channels. This affects the ability to perform targeted resets on individual interfaces.

Workaround (prior to fix):
Use `clear interface all portreset` to reset all channels.

SNMP DCP-INTERFACE-MIB table does not include signal format for DCP-M products #10572

For all DCP-M products, the signal format—represented in the DCP-INTERFACE-MIB under the DCPInterfaceTable as `dcpInterfaceFormat` OID—is not presented via SNMP. As a result, the signal format is also not available in SoSmart.

Workaround (prior to fix):
The signal format can be retrieved via the CLI.

DCP-404: Changing QSFP-DD traffic mode causing traffic interruption on next reboot #10574

When changing a grey QSFP-DD transceiver on DCP-404 from 4x100G to 3x100G, 2x100G, or 1x100G mode, the clients that should be disabled remain active. The new configuration does not take effect until the system is rebooted. This can lead to an unexpected traffic interruption during a future reboot, rather than at the time of the configuration change.

This issue has been verified with TQD023-SL4C-SO and QSFP-DD-4C-FR4-4 modules.

Workaround (prior to fix):
Perform a reboot immediately after changing the traffic mode to avoid delayed disruption.

DCP-M32-CSO-ZR+: Missing some power supply related alarms that exist on other DCP-M products #10575

The DCP-M32-CSO-ZR+ does not report the following three power supply-related alarms, which exist on other DCP-M units:

"Power supply communication failure"

"Power supply input voltage high"

"Power supply input voltage low"

Workaround (prior to fix):
None available.

Upgrade to R12.0.1 on DCP-M40-PAM4 in single fiber mode may trigger temporary false alarms #10591

When upgrading from R10.x or R11.x to R12.0.1 on DCP-M40-PAM4 systems operating in single fiber mode, temporary false alarms may be generated. These alarms are visible in the alarm log and may appear on active channels during the upgrade process. Traffic is not affected.

Workaround (prior to fix):
None available.

DCP-F-RA12 does not start up automatically after loss of signal in rare cases #10592

In rare cases (approximately 1 in 78), the DCP-F-RA12 Raman amplifier module may fail to start automatically after a loss of signal event. When this occurs, the unit remains inactive until manual intervention is performed.

Workaround (prior to fix):
Reboot the module or toggle the admin status to restore operation.

DCP-404: App code does not revert to default after downgrade from R12.0.1 #10596

When downgrading a DCP-404 from R12.0.1 to an earlier software version, the application code remains unchanged if a non-default app code is configured. Normally, a downgrade resets all settings to factory defaults, but in this case, the app code is only reverted after the next reboot — which may impact traffic if not done manually.

This issue has been verified with the following transceivers:
TQD011-TUNC-SO, TQD013-TUNC-SO, and TQD017-TUNC-SO.

Workaround (prior to fix):
Perform an additional manual reboot after downgrading to ensure the app code returns to its default state.

DCP-M32-CSO-ZR+: Management network settings lost at downgrade to R10.2.1 #10599

When downgrading a DCP-M32-CSO-ZR+ unit from software version R12.0.1 to R10.2.1, all management network settings are lost. This includes the IP address, netmask, gateway, and DNS configuration, resulting in loss of management connectivity until settings are manually restored.

Workaround (prior to fix):
None available.

MIB INFORMATION

MIB FILES

#10593

There are no updated MIB files for R12.0.1, but SNMPv3 traps are now possible.

New:

- SNMPv3 traps

Updated:

- None

All MIBs:

- DCP-ALARM-MIB – Smartoptics DCP platform Enterprise specific MIB.
  Shows general alarm data, alarm log and active alarms for all products.
  Also contains alarm enterprise traps.
  Version: 202006240800Z
- DCP-ENV-MON-MIB - Smartoptics DCP platform Enterprise specific MIB.
  Shows environmental data about the product.
  Version: 202503051800Z
- DCP-INTERFACE-MIB – Smartoptics DCP platform Enterprise specific MIB.
  Shows information about all optical interfaces for all products.
  Version: 202411280000Z
- DCP-LINKVIEW-MIB – Smartoptics DCP platform Enterprise specific MIB.
  Shows information about the line fiber of the DCP-M products.
  Version: 202403041200Z
- DCP-MIB – Smartoptics DCP platform Enterprise specific MIB.
  Root MIB file for the DCP platform.
  Version: 201810081444Z
- DCP-OCH-MIB – Smartoptics DCP platform Enterprise specific MIB.
  Shows information about optical channels.
  Version: 202103181449Z
- DCP-TOPOLOGY-MIB - Smartoptics DCP platform Enterprise specific MIB.
  Shows configured topology data.
  Version: 202112300800Z
- SO-MIB – Smartoptics root enterprise MIB.
  Version: 201810081444Z
- SO-TC-MIB – Smartoptics Textual Convention MIB
  This is the enterprise specific TC MIB for Smartoptics containing common textual conventions.
  Version: 202405241011Z

OTHER

SNMPv3 Trap Support #10566

Support for SNMPv3 traps has been introduced in release R12.0.1.

Standard SNMPv3 monitoring functionality was introduced starting with release R8.0.1.

FIELD SERVICE BULLETINS

There are no FSBs published for this release.

UPGRADE NOTES

DCP RELEASE IMAGE CHECKSUM

This is a sha256 checksum that can be used to validate the integrity of the release image.

```
1a12cc7b28fdcd827043e52213a742992aa4f0515bd2a363ce4dc5f798a2f2be  build/dcp-release-12.0.1.tar
```

MIKROTIK SHELF CONTROLLER RELEASE IMAGE CHECKSUM

This is a sha256 checksum that can be used to validate the integrity of the release image.

```
7afe3a8ef4879bad9d8ce2078b068efb62505065d50b68a9ed38bc3302d3f13b  build/dcp-mikrotik-container-release-12.0.1.tar
```

DCP-SC-28P SHELF CONTROLLER RELEASE IMAGE CHECKSUM

This is a sha256 checksum that can be used to validate the integrity of the release image.

```
d6433f8c7afa3445440167f7d6f57436ee8a6edb59c3476bcc7cf578214152c5  build/dcp-sc-28p-release-12.0.1.tar
```

It is possible to upgrade directly to R12.0.1 from R10.0.2 or later.

Note that downgrade from R12.0.1 to earlier release will set the units to factory default.

Note that a downgrade from R12.0.1 to R10.2.1 will result in lost IP address for DCP-M32-CSO-ZR+.

Note that a downgrade from R12.0.1 for DCP-404 or DCP-1203 with TQD014-TUNC-SO and pulse shaping enabled may cause traffic interruption.

Note that the channel numbers for DCP-M32-CSO-ZR+ have been updated from 4 digits to 8 digits in the Mibs to match the flexgrid standard.
This could affect alarm correlation in external systems. SoSmart is also affected and it is required to use SoSmart 7.0.1 or later to get correct alarm correlation for DCP-M32-CSO-ZR+.

SUPPORTED PRODUCTS

Notes

All DCP products are supported.

Product	HW Revision(s)
PLATFORM	

Chassis & Accessories

Product	HW Revision(s)
DCP-2-FAN-FB	R1B
DCP-2-FB	R1A, R2A
DCP-2-PSU-AC-FB	
DCP-2-PSU-DC-FB	
DCP-PAS-H	R1A
DCP-SC-28P	R1A

Flexible Open Line Systems

Product	HW Revision(s)
DCP-F-A22	R1A
DCP-F-DE22	R1A
DCP-F-R22	R1A
DCP-F-RA12	R1A
DCP-F-VG	R1A
DCP-M32-CSO-ZR+	R1A
DCP-M40-C-ZR+	R1A
DCP-M40-PAM4-ER	R1A, R1B, R1C, R2A
DCP-M40-PAM4-ER+	R1A, R1B, R2A
DCP-M40-PAM4-ZR	R1A, R2A
DCP-M8-PAM4	R1A
DCP-R-34D-CS	R1A
DCP-R-9D-CS	R1A
PPM-AD1-1510-2F	R1A
PPM-AD1-1625-2F	R1A
PPM-DCM10-100GHz	R1A
PPM-DCM20-100GHz	R1A
PPM-DCM40-100GHz	R1A
PPM-DCM80-100GHz	R1A
PPM-DUMMY	
PPM-OCU-50-50	R1A
PPM-OCU-97-3	R1A
SO-SHELF-CTRL-AC	R1A

Product	HW Revision(s)
SO-SHELF-CTRL-DC	R1A

Modular Transponders & Muxponders

Product	HW Revision(s)
DCP-101	R1A, R1B, R2A
DCP-108	R1A
DCP-110	R1A
DCP-1203	R1A
DCP-1610	R1A, R2A, R3A
DCP-404	R1A

End of document.