

# DATACOM



## DmOS

DATACOM OPERATING SYSTEM

Version 9.6.0

RELEASE NOTES

204.4295.73 - April 22, 2024

## Contacts

### Technical Support

Datacom has available a support portal - DmSupport, to help the customers in use and config of our equipment.

Access to the DmSupport can be made through link: <https://supportcenter.datacom.com.br>

In this site the following are available: firmwares, technical datasheets, config guide, MIBs and manuals for download. In addition, it allows opening of calls for assistance with our technical team.

Telephone Number: **+55 51 3933-3122**

We would like to highlight that our assistance through telephone support is available from Monday through Friday from 08:00 AM through 05:30 PM.

**Important:** For support assistance 24x7, please request a quotation to our sales department.

### General Information

For any other additional information, please visit the <https://www.datacom.com.br/en> or call:

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## Product Documentation

This document is part of a set of documents prepared to provide all necessary information about DATACOM products.

### Software Platform

- **Quick Configuration Guide** - Provides instructions on how to set functionalities in a quick manner in the equipment
- **Troubleshooting Guide** - Provides instructions on how to analyze, identify and solve problems with the product
- **Command Reference** - Provides all the commands related to the product
- **Release Notes** - Provides instructions on the new functionalities, identified defects and compatibilities between Software and Hardware

### Hardware Platform

- **Datasheet** - Provides the Hardware and Software technical characteristics of product
- **Installation Guide** - Provides instructions on the procedures covering product installation

The availability of some documents can vary depending on the type of product.

Access <https://supportcenter.datacom.com.br> to locate the related documents or contact the Technical Support for additional information.



## Introduction to the document

### About this Document

This report provides information regarding a new software release version for DmOS product. The Release Notes also intends to inform relevant changes that have occurred in software, hardware and documentation.

It is assumed the reader is familiar with network protocols concepts and has previous knowledge about DmOS products.

### Audience

This document is intended for Network Administrators, Engineers and any other qualified service personnel who are responsible for configuring and maintaining networks deployed with DmOS.

### Text Convention

This report uses these text conventions to convey instructions and information:

| Convention            | Description  |
|-----------------------|--|
| Hyperlink             | Internet site or an e-mail address. It is also applied to indicate a local link inside the document itself (e.g. a chapter). |
| Terminal              | System commands and screen outputs.  |
| <i>Object</i>         | Indicates a reference to something. Used to emphasize this referenced object.  |
| <b>Menu &gt; Path</b> | GUI (Graphic User Interface) menu paths.   |
| [Key]                 | Keyboard buttons.  |

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## 1 Important Notes

The table below provides important notes that should be observed when using the product.

| Note  | Product |
|---|---------|
| Unable to load configuration XML files with dot1q that were saved DmOS versions before 8.0.0. Text mode config files works perfectly. In case you need to load an xml file that contains vlan configuration, you will need edit the xml file changing from <i>http://tail-f.com/ns/dmvlan-manager</i> to <i>urn:dmos:dmos-dot1q</i> .   | All     |
| Unable to load configuration XML files with lag that were saved DmOS versions before 9.2.0. Text mode config files works perfectly. In case you need to load an xml file that contains lag configuration, you will need edit the xml file changing from <i>http://tail-f.com/ns/lacp</i> to <i>urn:dmos:dmos-lag</i> .  | All     |
| Increasing the number of objects or decreasing the interval between SNMP requests might lead to management latency or SNMP errors.  | All     |
| DmOS devices support autocorrection for occurrences of data corruption in memory. There may be cases after power outages or swings where the system cannot perform data autocorrection and may cause loss of logs or configurations.  | All     |
| The memory can be allocated by internal processes due to successive link-flaps. After flap stop, the memory will return to initial state. It is recommended to use the Link-Flap-Detection feature in ethernet interfaces.  | All     |
| VPN configurations that use the default MTU size configuration before DmOS 3.0.0 must observe the change in the default value from 1500 to 9198, which may cause a configuration mismatch.  | All     |
| In version 9.0.0 or above it will not be possible to configure weak passwords for local database users. If there is a need to change the password configuration of the equipment, it will be necessary to change the configuration to a strong password, according to the requirements presented in the CLI on the equipment.   | All     |
| It is possible to update all ONUs in a PONLink simultaneously provided that all ONUs are model equivalent. If there are ONUs of different models in a PONLink, it is not recommended to use the "all" parameter in command request firmware onu install <image> interface gpon <id> .   | DM461X  |
| It is not recommended to configure the snmp real-time option for more than 128 ONUs. Large scale monitoring can cause performance impacts, such as an increase in ONU status update time. When using the DM461X products (OLT GPON) and operating near the maximum supported ONUs by the platform, it is recommended that the SNMP requests interval is no lower than 15 minutes. | DM461X  |

## 2 Hardware and Software Compatibility

This chapter lists hardware and software compatibility for this software release.

### 2.1 Released Software

This session presents the software release details:

| Product | Release Version |
|---------|-----------------|
| DmOS    | 9.6.0           |



The downtime after upgrading to the 9.6.0 version on the DM4360, DM4370 and DM4370 SAT platforms will be longer if it is in a firmware version that has a oldest FPGA version.



**DmOS 5.0** is the LTS release (Long-Term Support) for platform **DM4610 OLT 8GPON+8GX+4GT+2XS** (P/N 800.5081.xx). The platform will still receive maintenance releases based on DmOS 5.0, if necessary, with bug fixes. However, there will be no updates with new features. Other OLTs will still receive new features and bug fixes.



**DmOS 5.2** is the LTS release (Long-Term Support) for platform **DM4775 32CX** (P/N 820.0014.00). The platform will still receive maintenance releases based on DmOS 5.2, if necessary, with bug fixes. However, there will be no updates with new features.



For scalability values per platform, check document DmOS – DmOS Datasheet.

### 2.2 Product Compatibility



To use management via DmView with the DmOS version 9.6.0 it is necessary to update DmView to version 11.2 or greater.

The table below shows the product compatibility matrix stating the **minimum** hardware version, minimum software version and the minimum version of DmView (management software).

| Product                            | Hardware Version                          | Software Version         | DmView Version |
|------------------------------------|---|--------------------------|----------------|
| DM4050 24GT+6XS                    | 800.5189.00                               | 2.2.0                    | 10.3           |
| DM4050 24GX+6XS                    | 800.5190.00                               | 2.2.0                    | 10.3           |
| DM4170 24GX+4XS+2QX                | 800.5184.01                               | 3.0.0                    | 10.3           |
| DM4170 24GX+12XS                   | 800.5186.01                               | 2.2.0                    | 10.3           |
| DM4250 24XS+2QX                    | 800.5197.02                               | 4.0.0                    | 10.3           |
| DM4270 24XS+2CX                    | 800.5231.53<br>800.5231.60                | 4.7.0<br>8.2.0           | 10.3           |
| DM4270 48XS+6CX                    | 800.5213.53<br>800.5213.61<br>800.5304.61 | 4.9.0<br>8.0.4<br>8.0.4  | 10.3           |
| DM4270 8XS+16VS+6CX                | 800.5313.62                               | 9.2.0                    | 10.3           |
| DM4360 4GT+4GX                     | 800.5259.50<br>800.5259.70<br>800.5259.75 | 4.10.0<br>8.0.6<br>8.2.0 | 10.3           |
| DM4370 4GT+4GX+4XS                 | 800.5191.00<br>800.5191.70<br>800.5191.75 | 3.0.0<br>8.0.6<br>8.2.0  | 10.3           |
| DM4370 4GT+4GX+4XS+SAT             | 800.5273.53<br>800.5273.70<br>800.5273.75 | 7.4.0<br>8.0.6<br>8.2.0  | 10.3           |
| DM4380 12XS+3CX                    | 800.5258.00<br>800.5258.60                | 5.0.0<br>8.2.0           | 10.3           |
| DM4610 OLT 8GPON+8GX+4GT+2XS       | 800.5081.03                               | 1.4.0                    | 10.3           |
| DM4610 OLT 4GPON+4GX+2XS (HW2)     | 800.5193.01                               | 2.4.0                    | 10.3           |
| DM4610 OLT 8GPON+8GX+4GT+2XS (HW2) | 800.5165.01                               | 2.2.0                    | 10.3           |
| DM4611 OLT 4GPON+2GT+2XS           | 800.5283.51                               | 6.2.0                    | 10.3           |
| DM4612 OLT 8GPON+2GT+2XS           | 800.5285.51                               | 6.2.0                    | 10.3           |
| DM4615 OLT 16GPON+4GT+4XS          | 800.5198.01                               | 4.2.0                    | 10.3           |
| DM4616 OLT 4XGS-PON+4XS            | 800.5298.51                               | 9.0.0                    | 11.3.0         |
| DM4618 OLT 32GPON                  | 800.5275.51                               | 8.2.0                    | 11.2           |
| DM4770 16CX                        | 800.5280.51                               | 6.0.0                    | 10.3           |

| Product     | Hardware Version           | Software Version | DmView Version |
|-------------|----------------------------|------------------|----------------|
| DM4770 32CX | 800.5255.52                | 5.8.0            | 10.3           |
| DM4775 32CX | 820.0015.00<br>820.0016.00 | 4.9.0            | 10.3           |
| DM4920      | 800.5299.51                | 9.4.0            | 11.4           |



**Bold items - new hardware platform available in the current version of DmOS.**

## 2.3 Compatibility Between Software Versions

The tables below shows the compatibility matrix between firmware versions, including the notes for the firmware update process.

### Software Upgrade

For **DM4050** platform, DmOS has the following compatibility matrix:



There are hardware version codes for certain platforms that have version different minimum version, please refer to the [Product Compatibility](#) table

| Platform | Initial Version | Mandatory Intermediate Versions |       |       |       | Final Version |
|----------|-----------------|---------------------------------|-------|-------|-------|---------------|
| DM4050   | 2.2.0           | 2.2.2                           | 3.0.4 | 4.6.2 | 5.2.0 | 9.6.0         |
| DM4050   | 2.2.2           | -                               | 3.0.4 | 4.6.2 | 5.2.0 | 9.6.0         |
| DM4050   | 3.0.4 or higher | -                               | -     | 4.6.2 | 5.2.0 | 9.6.0         |
| DM4050   | 4.6.2 or higher | -                               | -     | -     | 5.2.0 | 9.6.0         |
| DM4050   | 5.2.0 or higher | -                               | -     | -     | -     | 9.6.0         |

For **DM4170** platform, DmOS has the following compatibility matrix:



There are hardware version codes for certain platforms that have version different minimum version, please refer to the [Product Compatibility](#) table

| Platform | Initial Version | Mandatory Intermediate Versions |       |       |       | Final Version |
|----------|-----------------|---------------------------------|-------|-------|-------|---------------|
| DM4170   | 2.2.0           | 2.2.2                           | 3.0.4 | 4.6.2 | 5.2.0 | 9.6.0         |
| DM4170   | 2.2.2           | -                               | 3.0.4 | 4.6.2 | 5.2.0 | 9.6.0         |
| DM4170   | 3.0.4 or higher | -                               | -     | 4.6.2 | 5.2.0 | 9.6.0         |
| DM4170   | 4.6.2 or higher | -                               | -     | -     | 5.2.0 | 9.6.0         |
| DM4170   | 5.2.0 or higher | -                               | -     | -     | -     | 9.6.0         |

For **DM4250** platform, DmOS has the following compatibility matrix:



There are hardware version codes for certain platforms that have version different minimum version, please refer to the [Product Compatibility](#) table

| Platform | Initial Version | Mandatory Intermediate Versions |       |  |  | Final Version |
|----------|-----------------|---------------------------------|-------|--|--|---------------|
| DM4250   | 4.0.0 or higher | 4.6.2                           | 5.2.0 |  |  | 9.6.0         |
| DM4250   | 4.6.2 or higher | -                               | 5.2.0 |  |  | 9.6.0         |
| DM4250   | 5.2.0 or higher | -                               | -     |  |  | 9.6.0         |

For **DM4270 24XS+2CX** platform, DmOS has the following compatibility matrix:



There are hardware version codes for certain platforms that have version different minimum version, please refer to the [Product Compatibility](#) table

| Platform        | Initial Version | Mandatory Intermediate Versions |  |  |  | Final Version |
|-----------------|-----------------|---------------------------------|--|--|--|---------------|
| DM4270 24XS+2CX | 4.7.0 or higher | 5.2.0                           |  |  |  | 9.6.0         |
| DM4270 24XS+2CX | 5.2.0 or higher | -                               |  |  |  | 9.6.0         |

For **DM4270 48XS+6CX** platform, DmOS has the following compatibility matrix:



There are hardware version codes for certain platforms that have version different minimum version, please refer to the [Product Compatibility](#) table

| Platform        | Initial Version | Mandatory Intermediate Versions | Final Version |
|-----------------|-----------------|---------------------------------|---------------|
| DM4270 48XS+6CX | 4.9.0 or higher | 5.2.0                           | 9.6.0         |
| DM4270 48XS+6CX | 5.2.0 or higher | -                               | 9.6.0         |

For **DM4270 8XS+16VS+6CX** platform, DmOS has the following compatibility matrix:



There are hardware version codes for certain platforms that have version different minimum version, please refer to the [Product Compatibility](#) table

| Platform            | Initial Version | Mandatory Intermediate Versions | Final Version |
|---------------------|-----------------|---------------------------------|---------------|
| DM4270 8XS+16VS+6CX | 9.2.0 or higher | -                               | 9.6.0         |

For **DM4360** platform, DmOS has the following compatibility matrix:



There are hardware version codes for certain platforms that have version different minimum version, please refer to the [Product Compatibility](#) table

| Platform | Initial Version  | Mandatory Intermediate Versions | Final Version |
|----------|------------------|---------------------------------|---------------|
| DM4360   | 4.10.0 or higher | 5.2.0                           | 9.6.0         |
| DM4360   | 5.2.0 or higher  | -                               | 9.6.0         |

For **DM4370 4GT+4GX+4XS** platform, DmOS has the following compatibility matrix:



There are hardware version codes for certain platforms that have version different minimum version, please refer to the [Product Compatibility](#) table

| Platform | Initial Version | Mandatory Intermediate Versions |       |       | Final Version |
|----------|-----------------|---------------------------------|-------|-------|---------------|
| DM4370   | 3.0.0           | 3.0.4                           | 4.6.2 | 5.2.0 | 9.6.0         |
| DM4370   | 3.0.4 or higher | -                               | 4.6.2 | 5.2.0 | 9.6.0         |
| DM4370   | 4.6.2 or higher | -                               | -     | 5.2.0 | 9.6.0         |
| DM4370   | 5.2.0 or higher | -                               | -     | -     | 9.6.0         |

For **DM4370 4GT+4GX+4XS+SAT** platform, DmOS has the following compatibility matrix:



There are hardware version codes for certain platforms that have version different minimum version, please refer to the [Product Compatibility](#) table

| Platform   | Initial Version | Mandatory Intermediate Versions | Final Version |
|------------|-----------------|---------------------------------|---------------|
| DM4370 SAT | 7.4.0 or higher | -                               | 9.6.0         |

For **DM4380** platform, DmOS has the following compatibility matrix:



There are hardware version codes for certain platforms that have version different minimum version, please refer to the [Product Compatibility](#) table

| Platform | Initial Version | Mandatory Intermediate Versions | Final Version |
|----------|-----------------|---------------------------------|---------------|
| DM4380   | 5.0.0 or higher | 5.2.0                           | 9.6.0         |
| DM4380   | 5.0.0 or higher | -                               | 9.6.0         |

For **DM4610 HW1** platform, the DmOS has the following compatibility matrix:

| Platform   | Initial Version | Mandatory Intermediate Versions |       |       |       | Final Version |
|------------|-----------------|---------------------------------|-------|-------|-------|---------------|
| DM4610 HW1 | 1.8.0 or lower  | 1.8.2                           | 2.2.2 | 3.0.4 | 4.0.2 | 5.0.6         |
| DM4610 HW1 | 1.8.2 to 2.0.4  | -                               | 2.2.2 | 3.0.4 | 4.0.2 | 5.0.6         |
| DM4610 HW1 | 2.2.2 to 3.0.2  | -                               | -     | 3.0.4 | 4.0.2 | 5.0.6         |
| DM4610 HW1 | 3.0.4 to 4.0.0  | -                               | -     | -     | 4.0.2 | 5.0.6         |
| DM4610 HW1 | 4.0.2 or higher | -                               | -     | -     | -     | 5.0.6         |

For **DM4610 HW2** platform, the DmOS has the following compatibility matrix:



There are hardware version codes for certain platforms that have version different minimum version, please refer to the [Product Compatibility](#) table

| Platform   | Initial Version | Mandatory Intermediate Versions |       |       |       |       | Final Version |
|------------|-----------------|---------------------------------|-------|-------|-------|-------|---------------|
| DM4610 HW2 | 1.8.0 or lower  | 1.8.2                           | 2.2.2 | 3.0.4 | 4.0.2 | 5.2.0 | 9.6.0         |

| Platform   | Initial Version | Mandatory Intermediate Versions |       |       |       |       | Final Version |
|------------|-----------------|---------------------------------|-------|-------|-------|-------|---------------|
| DM4610 HW2 | 1.8.2 to 2.0.4  | -                               | 2.2.2 | 3.0.4 | 4.0.2 | 5.2.0 | 9.6.0         |
| DM4610 HW2 | 2.2.2 to 3.0.2  | -                               | -     | 3.0.4 | 4.0.2 | 5.2.0 | 9.6.0         |
| DM4610 HW2 | 3.0.4 to 4.0.0  | -                               | -     | -     | 4.0.2 | 5.2.0 | 9.6.0         |
| DM4610 HW2 | 4.0.0 to 4.0.2  | -                               | -     | -     | -     | 5.2.0 | 9.6.0         |
| DM4610 HW2 | 5.2.0 or higher | -                               | -     | -     | -     | -     | 9.6.0         |

For **DM4611 and DM4612** platforms, the DmOS has the following compatibility matrix:



There are hardware version codes for certain platforms that have version different minimum version, please refer to the [Product Compatibility](#) table

| Platform          | Initial Version | Mandatory Intermediate Versions |  |  |  | Final Version |
|-------------------|-----------------|---------------------------------|--|--|--|---------------|
| DM4611 and DM4612 | 6.0.0 or higher | -                               |  |  |  | 9.6.0         |

For **DM4615** platform, the DmOS has the following compatibility matrix:



There are hardware version codes for certain platforms that have version different minimum version, please refer to the [Product Compatibility](#) table

| Platform | Initial Version | Mandatory Intermediate Versions |  |  |  | Final Version |
|----------|-----------------|---------------------------------|--|--|--|---------------|
| DM4615   | 4.0.0 or higher | 5.2.0                           |  |  |  | 9.6.0         |
| DM4615   | 5.2.0 or higher | -                               |  |  |  | 9.6.0         |

For **DM4618** platform, the DmOS has the following compatibility matrix:



There are hardware version codes for certain platforms that have version different minimum version, please refer to the [Product Compatibility](#) table

| Platform | Initial Version | Mandatory Intermediate Versions |  |  |  | Final Version |
|----------|-----------------|---------------------------------|--|--|--|---------------|
| DM4618   | 8.0.0 or higher | -                               |  |  |  | 9.6.0         |

For **DM4770 16CX** platform, DmOS has the following compatibility matrix:



There are hardware version codes for certain platforms that have version different minimum version, please refer to the [Product Compatibility](#) table

| Platform    | Initial Version | Mandatory Intermediate Versions | Final Version |
|-------------|-----------------|---------------------------------|---------------|
| DM4770 16CX | 6.0.0 or higher | -                               | 9.6.0         |

For **DM4770 32CX** platform, DmOS has the following compatibility matrix:



There are hardware version codes for certain platforms that have version different minimum version, please refer to the [Product Compatibility](#) table

| Platform    | Initial Version | Mandatory Intermediate Versions | Final Version |
|-------------|-----------------|---------------------------------|---------------|
| DM4770 32CX | 5.8.0 or higher | -                               | 9.6.0         |

For **DM4775** platform, DmOS has the following compatibility matrix:

| Platform | Initial Version | Mandatory Intermediate Versions | Final Version |
|----------|-----------------|---------------------------------|---------------|
| DM4775   | 4.9.0 or higher | -                               | 5.2.0         |

For **DM4920** platform, DmOS has the following compatibility matrix:

| Platform | Initial Version | Mandatory Intermediate Versions | Final Version |
|----------|-----------------|---------------------------------|---------------|
| DM4920   | 9.4.0 or higher | -                               | 9.6.0         |

#### Notes

It is always recommend save the configuration before firmware update process. To save the configuration use the **save <arquivo>** command.

In case of doubt, please call to Datacom technical support.

## Software Downgrade

**Notes**

From version 8.2.0 or later it is not possible to perform a firmware downgrade in DM4360, DM4370 and DM4370 SAT platforms to versions lower than 8.2.0. If this operation is performed you must contact Datacom's technical support.

There is no support to maintain current database in downgrade. When performing the downgrade, the previous database is restored and any configuration changes made after upgrade to version 4.x or higher will be lost in the downgrade process. In case of downgrade to version different from previous, the equipment will boot with factory configuration.

From version 2.4.0 it is only possible to perform firmware downgrade to version 2.0.0 or 2.2.2. Firmware downgrade to older versions is not allowed by the system.

## 2.4 Compatibility of Electrical Modules

The table below shows the matrix about electrical modules support (SFP Copper) by each product line and which version initiated its support. It's advised the use of **negotiation** on interfaces with copper SFPs.



The SFP Copper supported has **377.7000.00** Datacom code. Datacom does not guarantee compatibility with other modules. Contact us for more information.

| Product Line      | Software Version                  |
|-------------------|-----------------------------------|
| DM4050            | 2.2.0                             |
| DM4170            | 2.2.0                             |
| DM4250            | 4.8.0                             |
| DM4270 24XS+2CX   | 4.8.0                             |
| DM4270 48XS+6CX   | 5.0.0 (forced only <sup>1</sup> ) |
| DM4360            | 4.10.0                            |
| DM4370            | 3.0.0                             |
| DM4380            | 5.0.0                             |
| DM4610            | 2.2.0                             |
| DM4611            | 6.2.0                             |
| DM4612            | 6.2.0                             |
| DM4615            | 4.2.0                             |
| DM4616            | 9.0.0                             |
| DM4618 OLT 32GPON | 8.0.0                             |

| Product Line | Software Version                  |
|--------------|-----------------------------------|
| DM4770 16CX  | 6.0.0 (forced only <sup>1</sup> ) |
| DM4770 32CX  | 5.8.0                             |
| DM4775       | 4.9.0                             |
| DM4920       | Not available                     |



<sup>1</sup> **DM4270 48XS+6CX** and **DM4770 16CX** don't support negotiation on ten-gigabit interfaces and twenty-five-gigabit interfaces, but it's possible to make use of copper modules setting the interface to forced mode (no negotiation). The presence of a copper module makes the interface negotiate with the link partner advertising 1 Gbps speed only, with no support for pause frames or lower speeds, regardless of its current configuration. When operating in this mode, a link down status may take up to 10 seconds to be reported.

## 2.5 Compatibility of Electrical Cables

The table below shows the electrical cables support matrix recommended by Datacom.



The use of non recommended cables can cause performance problems.

| Code        | Description                                    |
|-------------|--|
| 710.0384.00 | DAC Passive Cable 40GbE QSFP+ to QSFP+ (1m)    |
| 710.0391.00 | DAC Passive Cable 40GbE QSFP+ to QSFP+ (3m)    |
| 710.0395.00 | DAC Passive Cable 100GbE QSFP28 to QSFP28 (1m) |
| 710.0396.00 | DAC Passive Cable 100GbE QSFP28 to QSFP28 (3m) |

## 2.6 SSL Encryption Compatibility

The table below lists the OpenSSL versions for each software version and which version initiated its support.

| Software Version | OpenSSL Version |
|------------------|-----------------|
| 1.4.2            | 1.0.1f          |
| 1.10.0           | 1.0.2j          |
| 1.12.0           | 1.0.2k          |

| Software Version | OpenSSL Version |
|------------------|-----------------|
| 2.4.0            | 1.0.2l          |
| 4.0.0            | 1.0.2o          |
| 4.9.0            | 1.0.2r          |
| 5.0.0            | 1.0.2t          |
| 8.0.0            | 1.0.2u          |

## 3 New Features and Enhancements

This chapter lists new features, enhancements and changes in commands introduced in this release.

### 3.1 New Features

| Feature            | Description   | ID    |
|--------------------|---|-------|
| <b>BGP</b>         | Support to <i>show ip bgp neighbor &lt;peer_address&gt; received-routes</i> command.                                | F945  |
| <b>BGP</b>         | Support configuration of route-policy for VPNv4 and VPNv6 address-family on BGP peers.                              | F2319 |
| <b>DWDM</b>        | Support to <i>show interface transceivers dwdm-diagnostics</i> command to display coherent link quality statistics. | F2276 |
| <b>Transceiver</b> | Support to High Power coherent 400G QSFP-DD module 377.1508.00.   | F2289 |

### 3.2 Enhancements

| Feature       | Description  | ID     |
|---------------|--|--------|
| <b>System</b> | Substantial reduction in CPU usage in the hal-tcv process on the DM4770 equipment. | 195664 |

### 3.3 Changes in protocols management

| Feature          | Description   | ID    |
|------------------|---|-------|
| <b>Interface</b> | Interface status log will be recorded after the time configured in the hold-time expires.   | F2323 |
| <b>BGP</b>       | The route-policy configuration previously applied on the BGP peer, starting from 9.6.0, must be applied to the address-family configured on the BGP peer. Upgrading firmware from previous versions to version 9.6.0 will perform this migration for IPv4 and IPv6 cases. New route-policy for IPv4, IPv6, VPNv4 and VPNv6 prefixes must be applied according the address-family. | F2319 |

## 4 Solved Issues and Restrictions

This section lists solved issues and known restrictions for this software release.

- **Solved Issues:** Fixed bugs in this version.
- **Restrictions:** DmOS Software restrictions per hardware platforms.

### 4.1 Solved Issues

| Feature                  | Description  | ID     | Affected Platforms |
|--------------------------|--|--------|--------------------|
| <b>Assistant Task</b>    | Assistant task may run in unscheduled months.  | 195629 | All                |
| <b>DmView</b>            | DM4920 DWDM platform is not supported.   | 193658 | DM4920             |
| <b>GPON</b>              | An ONU alarm may be displayed even if the ONU is already deprovisioned.  | 195634 | DM4616             |
| <b>GPON</b>              | Autoprovisioning of all ONUs at the same time can generate core-dump in the gpon-mgr process, causing the equipment to need to be restarted. | 199684 | DM4611<br>DM4612   |
| <b>GPON Line Profile</b> | There is no consistency if the user configures an invalid tcont in the line-profile, allowing to create an invalid configuration.            | 161379 | All                |
| <b>GPON ONU</b>          | Support for Furukawa ONU model FK-ONT-G420W, previously it could generate errors in the olt.out process.                                     | 184267 | DM4618             |
| <b>Interface</b>         | 100G interface with administrative status down does not disable the RX of the interface thus displaying link up in the DmOS.                 | 194213 | DM4920             |
| <b>Interface</b>         | Exclusion of the <i>shutdown</i> command to perform actions on hundred (100G) and four-hundred (400G) interface ranges.                      | 197443 | All                |
| <b>IP Routing</b>        | Cannot filter prefixes using address families route-map.   | 180293 | All                |
| <b>OSPF</b>              | Redistribute static does not announce black-hole prefixes in OSPF.   | 159526 | All                |
| <b>QoS</b>               | ACL rules for CPU protection in the blacklist format cause policer rules to fail and no longer function correctly.                           | 192372 | All                |
| <b>System</b>            | Confirmation message for admin user password reset operation may appear incomplete. It does not affect the password reset itself.            | 191867 | DM4920             |

### 4.2 Restrictions

| Feature                | Description   | ID     | Affected Platforms |
|------------------------|---|--------|--------------------|
| <b>AAA</b>             | During the creation of a local user you need to enter the password between double quotes (") if you use the character ! on the password. Alternatively it is possible to use the configuration assistant, activating it with the command without providing the password, after <i>enter</i> the system will request the password and in this step, the special characters are accepted without the need to use quotation marks. | 177838 | All                |
| <b>ACL</b>             | There is no support to access list in service-ports, only in PON links.   | -      | All                |
| <b>ACL</b>             | Broadcast and DLF traffic will be forwarded to CPU even when there is an ACL blocking it.   | 122376 | All                |
| <b>ACL</b>             | ACL action of PCP set is not being performed when QinQ is configure an interface.   | 112774 | DM4270             |
| <b>Aging Time</b>      | There is no support to aging time configuration per interface, VLAN ID , Routed-MACs or specific MAC addresses.   | -      | All                |
| <b>Assistant-task</b>  | If there is a <b>show</b> command in the script, the next commands are not executed.  | 121680 | All                |
| <b>Assistant-task</b>  | If script was created in Windows which use CRLF format, even DmOS converts to Unix format when import the file, the last command can not run. As workaround it is possible adding ! character in the end of file.   | -      | All                |
| <b>Banner</b>          | On banner configuration, the \ character (backslash) operates as an escape character. To display this character, you must insert two backslash (\\).  | -      | All                |
| <b>BFD</b>             | BFD sessions are not shown in DmView.   | 127350 | All                |
| <b>BFD</b>             | In some cases, all BFD sessions may flap simultaneously.  | 152470 | All                |
| <b>BGP</b>             | In BGP neighbors BGP with same IP address, in distinct VRF, it is not possible configure different passwords to the same neighbors.   | -      | All                |
| <b>BGP</b>             | Possibility of coredump if user to run commands immediately after booting the system.   | 113454 | All                |
| <b>BGP</b>             | Lack of warning for the user that when configuring an address family in BGP will restart the BGP protocol of the equipment.   | 148347 | All                |
| <b>BGP</b>             | BGP IPv6 neighbor accept invalid configuration <i>address-family vpnv6 unicast</i> .  | 154928 | All                |
| <b>Booting Process</b> | During the initialization of equipment, if a commit is executed, it might show the "Database is Locked" message until all modules are applied   | -      | All                |

| Feature         | Description   | ID             | Affected Platforms |
|-----------------|---|----------------|--------------------|
| CFM             | When adding a interface that blocked by CFM to a LAG that is also blocked by CFM, it can be unblocked.  | 124046         | All                |
| CFM             | Communication between MEPs may not work, being necessary to remove the CFM configuration and reapply it.  | 119632         | All                |
| CFM             | CFM linktrace status remains on command <i>show oam cfm linktrace</i> after removing the CFM configuration.   | 136881         | All                |
| CLI             | "show" and "commit" commands may fail if executed shortly after booting the system due of software modules initialization.  | 116417         | All                |
| CLI             | <b>show configuration diff</b> command can crash requiring the user execute a CTRL+C to return to the CLI.  | -              | All                |
| CLI             | The <b>select</b> option of CLI filter does not work for some commands.   | 95478          | All                |
| Dot1q           | Interfaces after dot1q refactoring are in alphabetical order and not in numerical order in the <i>show running-config</i> command.  | 159954         | All                |
| DHCPv4 Relay L3 | It does not support IP address assignment on networks belong of L3 interfaces secondary address.  | -              | All                |
| DmView          | Status of some protocols are not shown in DmView (Info/Config).   | 90961          | All                |
| EAPS            | EAPS protocol control packets can be dropped in cases of congestion, even with QoS enabled.   | 155888         | All                |
| EAPS            | When several EAPS instances are operating, new instance activation might take several minutes to be applied after commit. In this time interval the CLI is blocked for the operator until the creation process and apply is finished. | 88879          | All                |
| EAPS            | It is not recommended using more than 8 EAPS instances in the same ring.  | -              | All                |
| EAPS/ERPS       | To have commuting times of about 50 ms with protocols ERPS and EAPS, it should be used at most 4 instances in the same ring.  | -              | All                |
| ERPS            | ERPS shows do not show correctly information in case of nbase-stub process restarts. To solve this it is necessary reboot the equipment.  | -              | All                |
| ECMP            | ECMP configuration in OSPFv2 and OSPFv3 causes BGP to use ECMP in BGP. It is not possible to disable ECMP only in BGP.  | 170142         | All                |
| ECMP            | It is not supported ECMP in MPLS.   | F1121<br>F2021 | All                |

| Feature                      | Description   | ID     | Affected Platforms |
|------------------------------|---|--------|--------------------|
| <b>ECMP</b>                  | After network convergence, traceroute may show incorrect paths.   | 193060 |                    |
| <b>ECMP</b>                  | In OSPFv2 or OSPFv3 scenarios with ECMP, the traceroute may timeout, not correctly identifying all hops or receive answer from equipment that should not respond.   | 193061 |                    |
| <b>ECMP</b>                  | MPLS configuration (LDP/RSVP) in some cases causes ECMP to stop working for L3 prefixes that do not use MPLS.   | -      | All                |
| <b>GPON Autoprovisioning</b> | Alarm of autoprovisioning may get stuck under some configuration conditions of GPON interface.  | 99261  | All                |
| <b>GPON Autoprovisioning</b> | Automatic deprovisioning of ONUs is not supported.  | -      | All                |
| <b>GPON Counters</b>         | There is no support to VEIP counters.   | -      | All                |
| <b>GPON Discovery</b>        | In scenarios with ONU scalability, some ONUs that have already been provisioned may appear in the discovery.  | 179561 | All                |
| <b>GPON Ethernet UNI</b>     | ONU profiles do not automatically create the Ethernet interfaces.   | -      | All                |
| <b>GPON Firmware Update</b>  | After version 4.0.2 it may occur configuration loss of GPON interfaces when upgrading from a firmware version before 4.0.2. To prevent this situation, check Compatibility between software versions section must be followed. It is also possible that third-party tools reveals incompatibility issues when using NetConf protocol to access the equipment and, in these cases, the GPON interface keys must be adjusted. | -      | All                |
| <b>GPON Flood Blocking</b>   | Support to flood blocking only in Service-VLAN type N:1.  | -      | All                |
| <b>GPON IP Spoofing</b>      | There is no support to disabling the IP Spoofing mechanism in GPON interfaces.  | -      | All                |
| <b>GPON IP Spoofing</b>      | Double tag traffic will only work with allowed ip all rule applied to the service-port.   | -      | All                |
| <b>GPON IP Spoofing</b>      | DHCP client negotiates and receives IP address, however, the rule is not created in allowed IP list because all filters are used in equipment.  | -      | All                |
| <b>GPON IP Spoofing</b>      | Host connected directly to ONU bridge with service N:1 does not receive IPv6 if a <i>allowed-ip ipv6-all</i> rule is not created in the IP Spoofing filters.  | 173283 | All                |

| Feature                  | Description   | ID     | Affected Platforms   |
|--------------------------|---|--------|----------------------|
| <b>GPON IP Spoofing</b>  | It does not support IP Spoofing in Ethernet interfaces.   | 158599 | DM4618               |
| <b>GPON Line Profile</b> | DHCPv6 service does not work with VLAN tagged in ONU LAN and line-profile with more than one GEM.   | 155121 | All                  |
| <b>GPON L2VPN</b>        | It is not supported QinQ L2VPN with service-port access.  | -      | DM4610-HW2<br>DM4615 |
| <b>GPON Multicast</b>    | IGMP is only possible in N:1 VLAN type.   | -      | All                  |
| <b>GPON MPLS</b>         | VPWS port-based with Ethernet loop as access interface does not pass traffic.   | -      | All                  |
| <b>GPON MPLS</b>         | PPPoE and DHCP circuit information is not sent over L2VPN with service-port access.   | F1789  | All                  |
| <b>GPON ONU</b>          | interoperability with D-LINK ONU in bridge mode (DPN-1452DG).   | F1841  | All                  |
| <b>GPON ONU</b>          | After several ONU firmware update executions using the parameter all, new firmware update commands are not processed until shut/no shut is performed in the PON links where the firmware update processes took place. | 126539 | All                  |
| <b>GPON ONU</b>          | Dying Gasp is not supported for ONU SFP TEO-GNUK-S20B.  | -      | All                  |
| <b>GPON ONU</b>          | Bridge ONUs from other vendors with service-port with <i>match vlan-id any action vlan add</i> need to use the <i>native vlan</i> configuration in the Ethernet of the ONU bridge to enable the service.              | 180006 | All                  |
| <b>GPON ONU</b>          | Possible failure in activating the Nokia ONU model G-240W-C when the ONU has different firmware versions in the Active and Standby partitions.  | 163162 | All                  |
| <b>GPON ONU</b>          | OLT overrides the dial plan configuration configured on the ONU Web.  | 149521 | All                  |
| <b>GPON ONU</b>          | After the reboot performed in the OLT firmware update, the management of ONU DM985-100 via IPHost does not return. As a workaround it is necessary to execute the <i>onu-reset</i> command.                           | 132639 | All                  |
| <b>GPON ONU</b>          | Instability in services with ONU Fiberhome AN5506-02-B from version 9.0.0.  | 173081 | DM4616               |

| Feature                    | Description  | ID                         | Affected Platforms |
|----------------------------|--|----------------------------|--------------------|
| <b>GPON ONU</b>            | Fiberhome AN5506-02-B ONUs take more time to stay operational.   | 180726                     | DM4616             |
| <b>GPON ONU Discovery</b>  | In scenarios with a high number of ONUs can appear invalid NS <i>show interface gpon discovered-onus</i> command.  | 157545                     | DM461x             |
| <b>GPON ONU SNMP</b>       | Monitoring of Ethernet ports ONU traffic by SNMP with flow greater than 38 Mbps does not work properly.  | 172174                     | All                |
| <b>GPON ONU Status</b>     | ONU Uptime is only updated every 5 minutes.  | -                          | All                |
| <b>GPON ONU Status</b>     | Rx/TX power is only updated if the difference is upper than 0.2 dbm.   | -                          | All                |
| <b>GPON ONU Status</b>     | <i>onu-force-status-update</i> command can not be show any update if no status has been updated and you only have uptime to update. The uptime update will not be forced.  | -                          | All                |
| <b>GPON ONU Status</b>     | After power failure, some ONUs may have "Operational state Down" and "Primary status Active " impacting the ONU service. It is necessary to reprovision the ONU to resolve this failure.   | 180265<br>184035<br>189732 | All                |
| <b>GPON ONU Status</b>     | ONUs from other manufacturers may have the power value displayed with the wrong value.   | 132635                     | All                |
| <b>GPON PON Interfaces</b> | It is not possible to execute some commands of GPON when using a range of GPON interfaces.   | 102236                     | All                |
| <b>GPON PON Interfaces</b> | PONLINK LOS alarm generation eventually fails, without any further impact to the PONLINK, when the fiber is reconnected or other PONLINKs in the equipment. ONU LOSi alarms are generated normally during this error. The issue happens when there is an intermittent connection between the fiber and the ONT and after reconnecting the fiber to the PONLINK the system operates normally. | -                          | All                |
| <b>GPON PON Interfaces</b> | Delay may occur to update PON status after link state change in scenarios with many ONUs.  | 147361                     | All                |
| <b>GPON POTS</b>           | There is no support to shutdown POTS UNI interface.  | -                          | All                |
| <b>GPON POTS</b>           | It is not supported the ! character in sip-user-agent password command.  | -                          | All                |

| Feature                     | Description  | ID              | Affected Platforms |
|-----------------------------|--|-----------------|--------------------|
| <b>GPON Service-Port</b>    | Partial and not functional configuration of service port created using netconf in versions lower 5.6 can cause impossibility to update firmware to version 5.6 or above.   | -               | All                |
| <b>GPON Service-Port</b>    | Application with DHCP and ONU Router only works with service-port using replace for the same VLAN.   | 165374          | All                |
| <b>GPON Service-Port</b>    | Configuration file containing service-port configured with <i>action vlan add vlan-id &lt;VLAN&gt; description &lt;DESC&gt;</i> does not apply service-port configuration. To work around it is necessary to remove the description before loading the configuration file.   | 183597          | All                |
| <b>GPON Service-Port</b>    | It does not support interface L3 configuration in the same service port VLAN.  | -               | DM4618             |
| <b>GPON SIP Profile</b>     | There is no support to Call ID and Call forwarding configuration.  | -               | All                |
| <b>GPON SIP Profile</b>     | SIP server port is fixed as 5060.  | -               | All                |
| <b>GPON SIP Profile</b>     | It is allowed to configure the field display-name in a SIP agent profile with a string greater than 25 character, but the only first 25 characters are used.   | 108932          | All                |
| <b>GPON System</b>          | Show commands related to gpon may be slow if have GPON SNMP object queries being executed at the same time as the show command.  | F2017<br>182790 | DM461x             |
| <b>GPON SNMP</b>            | Poor performance in GEM counters by SNMP.  | 144319          | All                |
| <b>GPON Traffic-Profile</b> | Gem-traffic-profile does not apply traffic limit in downstream for HGU model ONUs.   | -               | All                |
| <b>GPON</b>                 | If the user does not specify the profile, all ONUs will be configured with XGSPON (10GB) profile, regardless of whether it is a GPON or XGS ONU. If it is a GPON ONU, the ONU may be Up, but it will not transmit data. The profile must match the port mode. There is no consistency preventing misconfiguration. | 184045          | DM4616             |
| <b>Interfaces</b>           | Commit warnings are not generated if changes are made to a range of interfaces rather than a specific interface.   | 99138           | All                |
| <b>Interfaces</b>           | During the initialisation of DM4610 or DM4615 equipment, its interfaces may go to UP for 30 seconds even if the interfaces are in "shutdown" administratively.   | -               | All                |

| Feature           | Description   | ID             | Affected Platforms |
|-------------------|---|----------------|--------------------|
| <b>Interfaces</b> | It does not support cl108 FEC mode in 25 Gbps interfaces and it is recommended the use of cl74 FEC mode.  | -              | DM4618             |
| <b>Interfaces</b> | The MDIX works in reverse in interfaces gigabit-ethernet 1/1/1, 1/1/5, 1/1/9, 1/1/14, 1/1/17 e 1/1/21 if it is configured as forced. MDIX works as expected when in automatic mode.   | 93744          | DM4050<br>DM4250   |
| <b>Interfaces</b> | The MTU value in GT and GX interfaces is actually 4 bytes smaller than the configured value when the interface is untagged.   | -              | DM4050<br>DM4250   |
| <b>Interfaces</b> | 25G interface operating at 1G speed and electrical SFP may take time to detect link down.   | 176787         | DM4770             |
| <b>Interfaces</b> | The inDiscard and UnknownProto counters are not supported, displaying the value zero in show and through SNMP queries.  | 190138         | DM4920             |
| <b>interfaces</b> | Configuration of multiple interfaces using * is not supported.  | 192644         | DM4920             |
| <b>Interfaces</b> | Interfaces are not disabled when deprovisioning the Line Card 800, which can keep the laser transmitting. To complete the deprovisioning, the equipment must be restarted.  | 192978         | DM4920             |
| <b>Interfaces</b> | PDU packets of L2 protocol <i>LACP</i> , <i>STP</i> , <i>EFM</i> , ... erroneously increment InDiscards counters on the interfaces on which they are configured.  | 195934         | All                |
| <b>IP Routing</b> | Hosts system can cause DoS in the equipment if a host is not available and has a lot of traffic destined for this host.   | 145800         | All                |
| <b>IP Routing</b> | Poor performance in convergence time when equipment have many prefixes.   | 158948         | All                |
| <b>IP Routing</b> | Poor performance in <i>show ip route</i> , <i>show ipv6 route</i> , <i>show ip fib brief</i> , <i>show ipv6 fib brief</i> and <i>show ip bgp prefixes</i> commands when equipment have many prefixes.                               | 158636         | All                |
| <b>IP Routing</b> | Unable to execute "show ip ..." commands on two CLI sessions simultaneously. It is necessary to wait for the execution of the command before executing another.   | M1253<br>M1254 | All                |
| <b>IP Routing</b> | It is not possible to configure anycast (::/127) IPv6 addresses on L3 interfaces.   | 200683         | All                |
| <b>L2CP</b>       | L2 PDUs transparency in TLS services (service vlan type TLS) is enabled without the possibility of changing this behavior. For 1:1 and N:1 services (service vlan type 1:1 or n:1), L2 PDUs transparency is intrinsically disabled. | -              | DM461x             |

| Feature | Description   | ID      | Affected Platforms |
|---------|---|---------|--------------------|
| L2VPN   | It is not supported L2VPN configuration in interface which is MPLS access and uplink. Despite the commit being accepted, a warning is generated in this condition <i>Some MPLS VPN's have access and uplink interfaces in common. In this way those access interfaces will not be able to encapsulate MPLS traffic.</i> | 135480  | All                |
| L2VPN   | It is supported more than 8 ranges in QinQ L2VPNs with 8 ranges maximum per access interface depending on the platform. In the DM4360 and DM4370 are 20 and other platforms which supports QinQ L2VPNs are 50.  | -       | All                |
| L2VPN   | The <b>show mpls l2vpn counters</b> commands does not support autocomplete of the parameters.   | M841    | All                |
| L2VPN   | The <b>show mpls l2vpn hardware</b> command works only for VPWS.  | US78815 | All                |
| L2VPN   | Command <i>show mpls l2vpn vpws-group detail   name</i> keep doing pagination.  | 148448  | All                |
| L2VPN   | During traffic convergence in network with interoperability with non Datacom equipment, the pseudowire may fail (L2VPN).  | M1360   | All                |
| L2VPN   | When there is a lag interface with LACP as a VPWS or VPLS access, the VPN counters are incremented by LACP control packets.   | 99727   | All                |
| L2VPN   | Broadcast, multicast and unknown unicast packets are duplicate and counted twice in the VPN VPLS ingress counters. The duplicate packet is discard and the interface discarding counter is incremented.   | -       | All                |
| L2VPN   | VPN access interface counters can be incremented even when TX traffic is discarded.   | 121403  | All                |
| L2VPN   | GMRP protocol BPDUs do not pass through VPLS, even with TLS enabled.  | 133639  | All                |
| L2VPN   | Multicast packets encapsulated in L2VPNs are not registered in ingress counters of VPN uplink interfaces.   | 127464  | All                |
| L2VPN   | L2VPN vlan-based and L2 circuit with QinQ enabled in the same interface access does not work.   | -       | All                |
| L2VPN   | LACPDUs packets are dropped on access interfaces of MPLS VPNs when the OAM EFM protocol is configured on this interface. To LACP work it is necessary remove the OAM EFM configuration in the access interface.   | 170840  | All                |

| Feature      | Description   | ID               | Affected Platforms                   |
|--------------|---|------------------|--------------------------------------|
| <b>L2VPN</b> | The Backup PW uses the PW Status TLV to signal the main and backup PW information, for this reason it is necessary that neighbors have support for PW Status TLV and this TLV is enabled in L2VPN.                        | 144471           | All                                  |
| <b>L2VPN</b> | Poor performance in <i>show mpls l2vpn</i> command, configuration GET via netconf, configuration save and configuration commit when equipment have many L2VPNs.   | F1898            | All                                  |
| <b>L2VPN</b> | MPLS entries pending in hardware after configuration changes.   | 172788<br>178180 | All                                  |
| <b>L2VPN</b> | After changing the MTU on the L2VPN between Juniper and DmOS, it may be necessary to perform a shutdown/no shutdown operation on the access interface, if the operational status of the L2VPN is not Up.                  | 179558           | All                                  |
| <b>L2VPN</b> | Double tagged packets in a port based L2VPN lose outer tag when traffic is sent to the access interface.  | 134999           | DM4270<br>DM4380<br>DM4770<br>DM4775 |
| <b>L2VPN</b> | MAC address limit is not supported in VPLS.   | -                | DM4270<br>DM4380<br>DM4775           |
| <b>L2VPN</b> | In situations of convergence of L2VPNs, the time for normalization of data traffic can double in situations of large scalability of VPNs.   | 198340           | All                                  |
| <b>L3VPN</b> | It is not possible to change VRF name of an existing BGP instance.  | 113503           | All                                  |
| <b>L3VPN</b> | Eventual prefix failure in L3VPN affecting traffic after link flaps.  | 169360           | All                                  |
| <b>L3VPN</b> | There is no connectivity with an address associated with the Loopback interface when it is linked to a VRF that is an L3VPN/6VPE and there is no L3 interface associated with this same VRF.                              | 200474           | All                                  |
| <b>LAG</b>   | It is not supported MC LAG interoperability with other vendors. Other vendors are supported in equipment which have only LACP in MC LAG scenario.   | -                | All                                  |
| <b>LAG</b>   | If a equipment does not have MPLS settings and MPLS packets pass through a LAG of this equipment, the traffic will not be balanced properly.  | US86449          | All                                  |
| <b>LAG</b>   | A LAG stays up even it has less active interface than defined in minimum-active links if this setting is made only one side of the link. To operate correctly, the minimum-active links must be configured on both sides. | 105313           | All                                  |

| Feature             | Description  | ID          | Affected Platforms         |
|---------------------|--|-------------|----------------------------|
| LAG                 | Dynamic LAG balancing can cause traffic to be port migrating when near the full bandwidth limit of the LAG.                                | 149885      | All                        |
| LAG                 | It is not supported load balancing mode configuration.   | -           | DM4618                     |
| LAG                 | Equipment that do not support MPLS on the chipset do not consider MPLS labels on the traffic balancing.                                    | -           | DM4050<br>DM4250<br>DM4618 |
| LAG                 | There is no LAG log when minimum-active links or maximum-active links are configured.  | 191769      | All                        |
| LDP                 | It is not possible the change the loopback IP address and enable the LDP protocol in a single commit.                                      | US89105     | All                        |
| LDP                 | When the ARP packets forwarded to the CPU is over than rate limit configured for the interface, the LDP sessions might not be established. | M43<br>M778 | All                        |
| LLDP                | When a packet with an invalid TLV is received, the valid content of the packet may be discarded and no neighbor information is displayed.  | 121683      | All                        |
| License             | In equipment with MPLS license enabled, it could occur a failure when loading a configuration file with load override.                     | 106007      | All                        |
| License             | When disabled the MPLS license with an invalid key, it will be displayed a error messaged as if the user was trying to enable the license. | -           | All                        |
| License             | Commit check does not work properly in MPLS license in some cases return valid instead invalid and in other cases the opposite.            | 136296      | All                        |
| Link Flap           | It does not support Link Flap detection feature.   | -           | DM4618                     |
| MAC Addresses       | The <b>show mac-address-table</b> command presents invalid parameters in autocomplete of CLI.  | 91495       | All                        |
| MAC Addresses       | The <b>show mac-address-table type static</b> command shows all entries of MAC table.  | 91496       | All                        |
| MAC Addresses       | The repeat option was removed from <b>show mac-address-table</b> command due high CPU utilization.   | 140053      | All                        |
| MAC Addresses       | Aging time configuration above 1300 seconds is accepted in commit, but is limited in 1300 seconds in chipset.                              | 163702      | DM4618                     |
| Management Out-Band | It does not support 10 Mbps in mgmt interface. For correct operation, 100 Mbps speed or higher must be used.                               | -           | DM4050<br>DM4250           |

| Feature                    | Description   | ID                         | Affected Platforms         |
|----------------------------|---|----------------------------|----------------------------|
| <b>Management Out-Band</b> | Mgmt interface negotiated in 1 Gbps cause problems in equipment services. As workaround use management via L3 interface.  | -                          | DM4050<br>DM4170<br>DM4615 |
| <b>MPLS</b>                | MPLS commands can break columns in a way that make it difficult to understand, automating commands in the CLI and making it impossible to use of filters present in the CLI.  | 172237                     | All                        |
| <b>MPLS</b>                | To work the PDUs encapsulation in L2VPNs it is necessary to remove the remote-devices feature that is enabled in the default configuration. <i>configure; no remote-devices; commit.</i>  | -                          | DM4360<br>DM4370           |
| <b>MPLS</b>                | In convergence situations, there may be problems with LDP signaling, creating FEC situations with actions that differ from what is expected or the absence of FEC, thus affecting L2VPN traffic. For normalization it may be necessary to restart the failed equipment. | 197603<br>186765<br>192944 | All                        |
| <b>OSPF</b>                | It's not possible show details of a specific OSPF neighbor. Through of <b>show ip ospf neighbor detail</b> command, it is possible to check all neighbors simultaneously.   | 91647                      | All                        |
| <b>OSPF</b>                | If OSPF configuration was removed and reinserted with area index changed in a single commit, it is need to reinserted the L3 interface in OSPF configuration.   | 96565                      | All                        |
| <b>OSPF</b>                | OSPF adjacencies in the same physical port cannot have different passwords.   | -                          | All                        |
| <b>OSPF</b>                | DmOS chooses inter area path instead of intra area when the equipment receives redistributed routes (external 2) in more than one area.   | 153689                     | All                        |
| <b>OSPF</b>                | OSPF export prefix-list does not work in prefix redistributed by ASBR in the ABR.   | 168392                     | All                        |
| <b>OSPF</b>                | After remove the redistribute connected or static configuration in OSPF when the equipment has both redistributes configured causes prefixes to stop being announced by redistribute connected and static.  | 163789                     | All                        |
| <b>OSPF</b>                | Removing and adding new OSPF router in the same commit creates an invalid OSPF router. To avoid the failure, it is necessary to perform the configuration in separate commits.  | 168219                     | All                        |

| Feature                | Description   | ID     | Affected Platforms         |
|------------------------|---|--------|----------------------------|
| <b>OSPF</b>            | DmOS is advertising the network prefix associated with the MGMT interface in OSPF when using the <i>redistribute connected</i> method. To only publish prefixes of interest, it is necessary to configure <i>interface l3-xxxxx passive</i> in the area where the prefix will be advertised and therefore not use the <i>redistribute connected</i> configuration.                  | 200217 | ALL                        |
| <b>OSPF</b>            | In case of convergence, it is possible that LSA type 4 will not be created and disseminated by the ASBR, affecting prefix learning in other OSPFv3 areas. To normalize it is necessary to execute the <i>clear ospfv3</i> command in the ASBR or disable and enable the link (s) for the router that does not have an LSA Summary so that the LSAs are created and published again. | 199979 | All                        |
| <b>QoS</b>             | Due to the size of the equipment buffers, the policer/shaper limits traffic below the configured value with high rates and TCP flow.  | -      | All                        |
| <b>QoS - Policer</b>   | Policer egress counters do not work when there is an user-defined counter in the same VLAN.   | -      | All                        |
| <b>QoS - Policer</b>   | Policer by DSCP does not match if packet have the ECN bit with value different from 0.  | 146120 | All                        |
| <b>QoS - Policer</b>   | It is not possible to limit the bandwidth of a group of VLANs in MPLS deencapsulation.  | 170558 | All                        |
| <b>QoS - Policer</b>   | The ingress Policer matching filters do not consider possible packet modifications due to ACLs rules.   | -      | DM4050<br>DM4250           |
| <b>QoS - Policer</b>   | ARP Request packets can be dropped by the Ingress Policers.   | -      | DM4050<br>DM4250           |
| <b>QoS - Policer</b>   | Drop counters in egress stage policers are not supported in DM461x platforms.   | -      | DM461x                     |
| <b>QoS - Policer</b>   | Packets discarded by egress policers are not incremented in user-defined egress counters in DM461x platform.  | -      | DM461x                     |
| <b>QoS - Policer</b>   | Egress Policer does not limit the packets by VLAN on an untagged interfaces.  | -      | DM4270<br>DM4380<br>DM4775 |
| <b>QoS - Scheduler</b> | The weights configured in a QoS Scheduler are not respected with average flow lower than 129 Bytes.   | -      | DM4050<br>DM4250           |
| <b>PBR</b>             | It does not support PBR with ECMP.  | 138443 | All                        |

| Feature          | Description   | ID     | Affected Platforms |
|------------------|---|--------|--------------------|
| <b>Ping</b>      | Ping does not for work for local address destination when it is specified a source interface.   | 105307 | All                |
| <b>Ping</b>      | The IP address specified by the source interface parameter in the ping command is not respected when in VRFs.   | 120791 | All                |
| <b>Ping</b>      | Ping does not for work for IPv6 local address destination in VRF.   | 152836 | All                |
| <b>Ping</b>      | When a VRF interface is specified as a ping source, the IP address used as the source of the packet it not necessarily the address of the interface. The source interface will only specify in which VRF the ping will be executed.   | -      | All                |
| <b>Ping</b>      | In an equipment with VRF leaking and redistribute BGP in OSPF, it is not possible ping directly connected addresses.  | 123157 | All                |
| <b>Ping</b>      | Inactive L3 interface continues to respond to ICMP echo request (ping) packets.   | 161120 | All                |
| <b>Ping</b>      | In some situations the error <i>Failed to load BPF prog: 'Operation not permitted'</i> may occur in Ping IPv6 in VRF, after this error Ping does not work anymore, being necessary restart the equipment.   | 168676 | All                |
| <b>Provision</b> | Deprovisioning and provisioning the Line Card 800 in the same <i>commit</i> leaves the Line Card's Ethernet interfaces unconfigurable. To perform this procedure, it is necessary to deprovision the Line Card, execute <i>commit</i> , provision the Line Card and execute <i>commit</i> . | 190941 | DM4920             |
| <b>Provision</b> | To deprovision all Line Cards it is necessary to use the <i>no provision</i> or <i>no provision chassis 1</i> command.  | 190137 | DM4920             |
| <b>Provision</b> | Equipment will restart if the Line Card 800 is physically inserted and removed within an interval of less than 10 seconds.  | 200219 | DM4920             |
| <b>Provision</b> | Temporary loss of the 400G interface link when a new Line Card (800 or OAC) is inserted into the equipment.   | 202207 | DM4920             |
| <b>Provision</b> | For any procedures involving Line Cards, such as insertion, removal and provisioning, it is recommended that the actions be carried out during the maintenance period, as at the end of the procedures, the equipment must be restarted.  | -      | DM4920             |
| <b>Radius</b>    | RADIUS authentication for IPv6 management is not supported.   | F1618  | All                |

| Feature     | Description  | ID               | Affected Platforms |
|-------------|--|------------------|--------------------|
| <b>RDM</b>  | After removing the RDM configuration from a slave equipment that had already established connection with a master RDM, show commands will keep displaying RDM informations that are not in the configuration anymore.  | 126618           | All                |
| <b>RSVP</b> | Tunnel establishment is supported only in the same OSPF area (intra-area).   | -                | All                |
| <b>RSVP</b> | Tunnels may not go up if the equipment has more than one area configured in the equipment. To solve it is necessary to remove the excess areas and restart the OSPF process using the command <i>clear ospf process &lt;process_id&gt;</i> .   | 160143           | All                |
| <b>RSVP</b> | Slow convergence of LSPs if the equipment that has RSVP configured does not changed link to down due link down was not propagated. This behavior can occur if the L3 interface has more than one interface on the same vlan, in scenarios with technology that does not propagate the physical link down or are not configured for this. | F2002            | All                |
| <b>RSVP</b> | Tunnel in headend may not work if OSPF router-id was changed in tailend. Workaround is run <i>clear ospf process</i> command in the tailend equipment.   | 154174           | All                |
| <b>RSVP</b> | <i>Fast Reroute</i> and bandwidth reservation are not supported.   | -                | All                |
| <b>RSVP</b> | It is not supported RSVP hello node-id.  | -                | All                |
| <b>RSVP</b> | Cisco IOS XR RSVP hello interoperability with DmOS because DmOS not support RSVP hello node-id.  | 183958           | All                |
| <b>RSVP</b> | L2VPN configured with a tunnel that is destined for the wrong equipment causes L2VPN stays UP, but the data will be forwarded to the wrong equipment.  | 149350           | All                |
| <b>RSVP</b> | Poor performance in <i>show mpls traffic-eng tunnels brief</i> command when equipment have many RSVP LSPs.   | -                | All                |
| <b>RSVP</b> | Timeout in <i>show mpls traffic-eng tunnels id name</i> command when equipment have many RSVP LSPs.  | 171842<br>181671 | All                |
| <b>RSVP</b> | <i>show mpls traffic-eng tunnels brief</i> command does not show all RSVP LSPs if pagination is enabled.   | 155125           | All                |
| <b>RSVP</b> | It is not supported MTU configuration in tunnel interface, so it is used 1500 Bytes fixed.   | -                | All                |

| Feature                | Description   | ID     | Affected Platforms |
|------------------------|---|--------|--------------------|
| <b>RSVP</b>            | RSVP interface tunnel MTU does not used in L2VPNs.  | 164084 | All                |
| <b>RSVP</b>            | DmOS takes time to update the interface MTU on the LSPs after convergence, in some cases this time can reach minutes. Depending on the MTU of the L3 interface before convergence, the data passing through the LSPs using Path MTU Discovery will be smaller than expected until DmOS updates the MTU. | 190789 | All                |
| <b>SCP - Passwords</b> | When the password has special characters, you must enter the password in single quotation marks (") or use the wizard mode (enter the command without entering the password parameter so it will be prompted and then no quotation marks are needed).   | -      | All                |
| <b>Sensors</b>         | Possibility of error log from sensors of equipment.   | 117219 | All                |
| <b>SNMP</b>            | When configuring a L3 interface in VRF with <i>snmp agent listen</i> , it is possible with is allowed SNMP get using the loopback IP address if is configured in the same VRF of L3 interface.  | -      | All                |
| <b>SNMP</b>            | When configuring SNMP agent listen with loopback interface, the reply will be done with the loopback IP address and does not with the L3 interface IP address on which packet was sent.   | -      | All                |
| <b>SNMP</b>            | To get SNMP objects using IP address in VRFs it is necessary configure the <i>snmp agent listen interface</i> . If is not configured, the equipment will be reply using the global routing table if exists route in this table.   | -      | All                |
| <b>SNMP</b>            | If SNMP agent listen was configured in a L3/loopback interface and the IP/VRF configuration of this interface was changed, the SNMP get would not work. To workaround this issue it is necessary configure the interface before adding interface in SNMP agent listen.                                  | 125267 | All                |
| <b>SNMP</b>            | The first index of the MIB object ENTITY-MIB::entPhysicalSerialNum does not return the equipment serial number.   | 137978 | All                |
| <b>SNMP</b>            | The data type <i>cpuCoreCoreId</i> in MIB DMOS-SYSMON-MIB is incorrect causing Unexpected index type: 7 <i>cpuCoreCoreId</i> <core_id> error in Zabbix logs. The workaround is changing the <i>cpuCoreCoreId</i> from Unsigned8 to Unsigned32 in the DMOS-SYSMON-MIB file.                              | 168468 | All                |
| <b>SNMP</b>            | The <i>eapsDomainName</i> object of the MIB DMOS-EAPS is only created when configured causing failure in EAPS domain information of prototypes used in templates in Zabbix. To workaround configure <i>eaps</i> <eaps_id> name on all configured EAPS instances.  | 170864 | All                |

| Feature             | Description   | ID                 | Affected Platforms         |
|---------------------|---|--------------------|----------------------------|
| <b>SNMP</b>         | It is not possible configure the <i>snmp vacm access</i> with global VRF via DmView.  | 151642             | All                        |
| <b>SNMP</b>         | sysUpTime object counter is reset if SNMP agent is restarted.   | 161873             | All                        |
| <b>SNMP</b>         | ifAlias for GPON interface is only created after configuring a description on the GPON interface.   | 168099             | DM461x                     |
| <b>SNMP</b>         | Dying Gasp SNMP traps are not sent for SNMP targets associated to mgmt VRF or user VRFs.  | US90189<br>US90190 | DM4360<br>DM4370           |
| <b>SNMP</b>         | ENTITY-MIB returns triplicate slot informations.  | 146733             | DM4610-HW2<br>DM4615       |
| <b>SNMP</b>         | The Ifindex returned in the ipAdEntIfIndex object does not point to any interface, meaning that tools that use SNMP are unable to correlate the IP address read with any equipment interface. | 191764             | All                        |
| <b>SNMP</b>         | SNMP queries must use a timeout value of 100 seconds.   | EP1200             | DM4920                     |
| <b>SNTP</b>         | Packet from SNTP server version 4 or earlier are discarded.   | 124339             | All                        |
| <b>SSH</b>          | It's possible occurs <b>Error: application timeout</b> message when to try generate SSH key. On retry the problem will not occur.   | -                  | All                        |
| <b>SSH</b>          | It is not possible connect by SSH from Cisco using old IOS version to DmOS even though DmOS has enabled legacy mode in SSH server.  | -                  | All                        |
| <b>Static Route</b> | IPv6 static route does not work after recreating associated L3 interface.   | 151481             | All                        |
| <b>Switching</b>    | There is no support to TPID configuration.  | -                  | All                        |
| <b>Switching</b>    | The user cannot configure tagged or untagged members in VLAN ranges in a one-line CLI command.  | -                  | All                        |
| <b>Switching</b>    | Take a long time to do show, commit, save and netconf of large amount of VLAN.  | -                  | All                        |
| <b>Switching</b>    | It does not support in-Band management with a VLAN used in vlan-translate without having QinQ enabled in the interface.   | -                  | DM4270                     |
| <b>Switching</b>    | Double tagged packets do not add VLAN tag using VLAN mapping if QinQ is not enabled in interface.   | -                  | DM4270<br>DM4380<br>DM4770 |
| <b>Syslog</b>       | Possibility of coredumps when performing <b>load override</b> command for load some specific configuration.   | 117306             | All                        |

| Feature       | Description   | ID     | Affected Platforms                                 |
|---------------|---|--------|--|
| <b>Syslog</b> | Modification in L3 interfaces used for reaching the syslog server may cause the syslog server not to work. As a workaround, it is needed to remove the syslog configuration, commit it and configured it again.   | 127781 | All  |
| <b>System</b> | Load override configuration with RSVP explicit path makes commit impossible even if the difference between the current and candidate configuration has nothing to do with RSVP.   | 168158 | All  |
| <b>System</b> | Although the option appears in the CLI, is not supported utilities after the pipe   in debug commands.  | 134410 | All  |
| <b>System</b> | PSU 200 DC does not have temperature sensors.   | -      | All  |
| <b>System</b> | DmOS may restart if there is any equipment connected to serial sending signals with invalid characters.   | 162834 | All  |
| <b>System</b> | Some show commands may not show full output when using the " <i>  display json, xpath, etc</i> " option.  | 160442 | All  |
| <b>System</b> | RARP packets do not update the host-table causing the convergence of the VMs from software using RARP such as VMware take longer. This longer time is due to the need for a VM ARP to be the trigger for host resolution.   | -      | DM4618   |
| <b>System</b> | The FPGA update if needs in a DmOS version will only be completed after the equipment is restarted due to power failure or removal and insertion of the power cord. Even if the update has not been completed, there will be no problem in the operation of the equipment.  | -      | DM4360<br>DM4370                                   |
| <b>System</b> | In scenarios with a high number of ONUs the CPU can get high usage generating alarm.  | 148808 | DM4610-HW2<br>DM4611<br>DM4612<br>DM4616<br>DM4618 |
| <b>System</b> | The hostname size will be limited in less than 63 characters when the equipment has DHCP Relay L2 enabled and use hostname in circuit-id format.  | -      | DM461x   |
| <b>System</b> | Inserting the line card after the equipment is booted will cause it to be in the blocked state and shows CARD_UNINITIALIZED alarm. In order for it to become operational it will be necessary to restart the DM4618. The status of the platform and line card can be checked through the command <i>show platform</i> . | -      | DM4618   |

| Feature | Description   | ID     | Affected Platforms |
|---------|---|--------|--------------------|
| System  | Line card removal after equipment boot causes alarm OLT_ADAPT_FAILURE, it can also impact services running on the mainboard, for this reason it is recommended to restart the equipment after removing the line card.   | 166666 | DM4618             |
| System  | The deprovisioning of the line card causes a failure in the SNMP get objects of IF-MIB, for this reason it is recommended to reboot the equipment after deprovisioning.   | 164431 | DM4618             |
| System  | There are no logs about line card hardware failure.   | -      | DM4618             |
| System  | DM4610-HW2 equipment operating FANs with speed above necessary, causing excessive noise.  | 154171 | DM4610             |
| System  | Memory may be allocated by internal processes due to Ethernet link flaps for an extended period of time. After the scenario is normalized, the memory will return to its initial state. It is recommended to use the Link-Flap Detection functionality to control flaps on Ethernet interfaces.   | 168974 | All                |
| System  | <i>show interface utilization</i> is not available on this product model.   | 191390 | DM4920             |
| System  | Using the <code>  tab</code> parameter may cause slowness in displaying information from the <i>show interface hundred-gigabit-ethernet * statistics</i> command.   | 190591 | DM4920             |
| System  | EDFA interface settings are not applied when executing <i>load override</i> on a configuration file. To apply the configuration file settings, it is necessary to execute <i>load override backup.config</i> , then deprovision the EDFA Line Card ( <i>no provision chassis 1 slot &lt;4-5&gt;</i> ), apply the configuration ( <i>commit</i> ), provision the EDFA Line Card ( <i>provision chassis 1 slot &lt;4-5&gt; card-model &lt;Line Card model&gt;</i> ), apply the configuration ( <i>commit</i> ) and configure the EDFA interfaces again. | 195143 | DM4920             |
| System  | Cpu-dos-protect counters erroneously increment Rx of packets in all queues.   | 188867 | DM4170             |
| TACACS+ | TACACS+ authentication for IPv6 management is not supported.  | F1620  | All                |
| TACACS+ | Command with more than 243 characters are not sent to the accounting server.  | 111614 | All                |
| TACACS+ | Commands may not be registered in the accounting server when the command is executed and the user immediately logs out.   | -      | All                |
| TACACS+ | ERROR message generated in log when applying configuration of Banner using the multiline mode.  | 111616 | All                |

| Feature             | Description   | ID      | Affected Platforms                   |
|---------------------|---|---------|--------------------------------------|
| <b>TACACS+</b>      | Commanded reject by TACACS+ server are being registered in the accounting log.  | 122945  | All                                  |
| <b>Traceroute</b>   | Equipment does not show in the traceroute path if does not exist prefix installed in route table.   | 162090  | All                                  |
| <b>Transceivers</b> | Order of transceivers is not displayed in ascending order on command <b>show interface transceivers</b> .   | 99257   | All                                  |
| <b>Transceivers</b> | Only are supported 100 Mbps optical transceivers in forced mode and only in GX interfaces.  | -       | All                                  |
| <b>Transceivers</b> | Log of link UP is generated whenever an SFP Copper is inserted even without physical cable.   | 94344   | All                                  |
| <b>Transceivers</b> | Transceiver inventory informations are shown duplicated in DmView.  | 126537  | All                                  |
| <b>Transceivers</b> | Electrical transceiver negotiated in half-duplex shows full-duplex in DmOS.   | US93493 | All                                  |
| <b>Transceivers</b> | When enabling negotiation in 10 Gbps interface the link will transition from UP to DOWN and then returning to UP, remaining stable.   | 116953  | DM4050<br>DM4250                     |
| <b>Transceivers</b> | Removal of a SFP and insertion of another one in an interface may not be identified if it is performed in less than 3 seconds.  | 109496  | DM4170                               |
| <b>Transceivers</b> | The GX interfaces of DM4610 platform do not support Copper SFPs at speeds of 10 and 100 Mbps. Some models of Copper SFPs can operate at speeds of 1 Gbps, but are not homologated by Datacom. | -       | DM461x                               |
| <b>Transceivers</b> | The 10 Gbps interfaces do not support autonegotiation.  | -       | DM4270-48XS                          |
| <b>Transceivers</b> | The 25 Gbps interfaces do not support autonegotiation.  | -       | DM4770-16CX<br>DM4618                |
| <b>Transceivers</b> | The 100 Gbps interfaces do not support autonegotiation.   | -       | DM4618                               |
| <b>Transceivers</b> | 10Gbps interface using 1Gbps electrical transceiver operates in negotiated mode only.   | 171560  | DM4370<br>DM4611<br>DM4612<br>DM4616 |

| Feature             | Description  | ID               | Affected Platforms |
|---------------------|--|------------------|--------------------|
| <b>Transceivers</b> | There is no support for non-homologated transceivers. The use of non-approved QSFP modules may harm the DWDM infrastructure with inadequate lambda or may keep the module's laser turned on. Interfaces with non-homologated transceivers must be in shutdown. If a non-homologated module is connected to the equipment, an alarm will be displayed, which can be viewed using the <b>show alarm</b> command. | EP1200           | DM4920             |
| <b>Transceivers</b> | In some cases of power outage, the 400G interface may enter a fault state and not transmit data even if the link has administrative status UP. To normalize this behavior it is necessary to disable the interface administratively ( <i>shutdown</i> ) and enable it again ( <i>no shutdown</i> ).  | 200472           | DM4920             |
| <b>TWAMP</b>        | It takes time to run <i>show oam twamp</i> command.  | 135553           | All                |
| <b>TWAMP</b>        | After failure in the TWAMP test-session, the SNMP objects remain with the values of the last successful test.  | 131279           | All                |
| <b>TWAMP</b>        | Logging <b>TWAMP-SERVWAIT_TIMEOUT</b> in case of protocol communication failure. It does not impact the service.   | 183902           | All                |
| <b>VRRP</b>         | Virtual IP may not be functional after rebooting the equipment. If this behavior occurs, VRRP can be reconfigured or the equipment can be restarted.   | 195525           | All                |
| <b>XGS-PON</b>      | Some ONUs from other vendors may be incompatible.  | 178047<br>174681 | DM4616             |
| <b>XGS-PON</b>      | RG-Profile is not supported.   | -                | DM4616             |
| <b>XGS-PON</b>      | Firmware upgrade via OMCI is not supported.  | -                | DM4616             |
| <b>XGS-PON</b>      | TR-069 profile is not supported.   | -                | DM4616             |
| <b>XGS-PON</b>      | Anti-roogue is not supported on GPON ONUs.   | -                | DM4616             |
| <b>XGS-PON</b>      | GEM counters are not supported in the CLI and via SNMP.  | 177837           | DM4616             |
| <b>XGS-PON</b>      | ONU DM984-42x data traffic failure when using LAN ports 2, 3 or 4.   | 181558           | DM4616             |
| <b>XGS-PON</b>      | ONUs may have <i>Down/Active pending</i> status after UN or OLT shutdown. It is necessary to restart the ONU to return to normal operation.  | 182587<br>177543 | DM4616             |
| <b>XGS-PON</b>      | If the xgspon interface mode is set to gpon, switching to xgspon and returning to gpon mode will only be applied after rebooting the OLT.  | 183105           | DM4616             |

| Feature        | Description  | ID     | Affected Platforms |
|----------------|--|--------|--------------------|
| <b>XGS-PON</b> | If an ONU DM986-100 SFU with 2 GEMs is used, 1 GEM for ethernet and a second for IPHost, the first GEM must be configured for IPHost and the second GEM for ethernet. Otherwise, you may lose data in the upstream direction.        | 176959 | DM4616             |
| <b>xSTP</b>    | RSTP does not work if dot1q is not configured.   | 88154  | All                |
| <b>xSTP</b>    | The cost of STP on interfaces by default is 20000 regardless of the interface speed, making the paths chosen by STP links with lower speed. As a workaround it is possible to change the cost in the interfaces manually as desired. | 154927 | All                |
| <b>xSTP</b>    | There is no support to BPDU options like: BPDU Guard and BPDU Filter.  | F1131  | All                |
| <b>xSTP</b>    | STP does not work with EAPS configured in the same interface.  | -      | All                |
| <b>xSTP</b>    | BPDU's are processed and discarded in the CPU instead of being discarded in the chipset, this can generate an overload on the equipment's CPU if a significant amount of BPDU's is received.   | 132238 | All                |

## 5 Document Versions

The following table lists all documents for DmOS products. Datacom do not recommend the usage of previous versions.

### 5.1 Software Platform

| Document                         | Version     |
|----------------------------------|-------------|
| DmOS - Quick Configuration Guide | 204.4292.40 |
| DmOS - Command Reference         | 204.4284.48 |
| DmOS - Datasheet                 | 134.4918.28 |
| DmOS - MIB Reference             | 204.4381.05 |
| DmOS - Troubleshooting Guide     | 204.4293.31 |

### 5.2 Hardware Platform

| Document                                      | Version     |
|---|-------------|
| DM4050 - Installation Guide                   | 204.4317.03 |
| DM4170 - Installation Guide                   | 204.4308.06 |
| DM4250 - Installation Guide                   | 204.4312.01 |
| DM4270 - Installation Guide                   | 204.4331.09 |
| DM4360 - Installation Guide                   | 204.4337.02 |
| DM4370 - Installation Guide                   | 204.4314.03 |
| DM4380 - Installation Guide                   | 204.4336.00 |
| DM4610 - Installation Guide                   | 204.4291.04 |
| DM4611 - Installation Guide                   | 204.4349.01 |
| DM4612 - Installation Guide                   | 204.4350.01 |
| DM4615 - Installation Guide                   | 204.4323.03 |
| DM4616 - Installation Guide                   | 204.4386.00 |
| DM4618 - Installation Guide                   | 204.4351.00 |
| DM4770 - Installation Guide                   | 204.4339.11 |
| DM4775 - Installation Guide (Portuguese only) | 204.0337.00 |
| DM4920 - Installation Guide (Portuguese only) | 204.0365.06 |

## Legal Note

In spite the fact that all the precautions were taken in development of the present document, DATACOM shall not be held responsible for eventual errors or omissions as well as no obligation is assumed due to damages resulting from the use of the information included in this guide. The specifications provided in this manual shall be subject to changes with no prior notification and are not acknowledged as any type of contract.

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## Warranty

DATACOM's products are covered by a warranty against manufacturing defects during a minimum period of 12 (twelve) months including the legal term of 90 days, as from the date of issue of the supply Nota Fiscal (Invoice).

Our warranty is standard counter warranty, this means, for exercise of the warranty, the customer should send the product to DATACOM Authorized Technical Assistance with paid freight. The return freight of the equipment will be DATACOM responsibility.

To obtain additional information, see our warranty policy in <https://www.datacom.com.br/en>.

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