



Product Bulletin

Operations Manager, Protection Manager, and Provisioning Manager 4.0.1

Revision History

02 December 2010 - Initial version

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This product bulletin informs NetApp sales and NetApp partners about new or changed NetApp® products or services.

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1. Summary

This product bulletin announces the availability of Operations Manager, Protection Manager, and Provisioning Manager 4.0.1, part of the NetApp Manageability Family Storage Suite for general availability.

Operations Manager is NetApp's solution for managing multiple NetApp storage systems. From a central console, Operations Manager delivers comprehensive monitoring and management of NetApp storage systems with alerts, reports, performance tools, and configuration tools to keep your customer's storage infrastructure in line with business requirements for maximum availability and efficiency.

Protection Manager is an intuitive and innovative backup and replication management software for NetApp disk-based data protection environments. Currently it supports and provides a management interface for the SnapVault®, Open Systems SnapVault, and SnapMirror® products. It also integrates with NetApp SnapManager® products. Protection Manager delivers greater assurance of data protection and higher productivity by providing policy-based management, including automated data protection setup.

Provisioning Manager is a centralized provisioning tool for NetApp FAS storage systems. Storage administrators can provision storage across their environment using a wizard-driven GUI with just a few clicks. Storage provisioning is automated through use of user-defined provisioning policies, which include thin provisioning and deduplication settings. Storage administrators can quickly react to out-of-space conditions and perform various space management actions, including data migration.

2. What's New?

The release of Operations Manager, Protection Manager, and Provisioning Manager 4.0.1 is a maintenance release that contains critical bug fixes for all the three products.

Important bug fixes in Operations Manager:

- Issues related to monitoring of user quota, group quota, and qtrees
- Memory leaks in DFM monitor related to loading of SnapMirror log files

- LDAPS authentication failure issue in NMC
- Storage system NAS and SAN performance summary reports: latency fields not populated
- Error seen during upgrade with the message "Primary key for table 'perfFileCounters' is not unique"

Important bug fixes in Protection Manager:

- DataFabric® Manager server fails when provisioning policy for a DR mirror node has deduplication enabled
- Remote backup or mirror job fails for empty datasets with scheduled protection policy
- During backup operation, Protection Manager displays OSSV transfer as "Partially Failed"
- Identical qtree names might cause SnapVault relationships to be removed

Important bug fixes in Provisioning Manager:

- CIFS shares and NFS exports removed for all volumes in the dataset when first volume is deleted
- Added checks in Data Motion workflow to detect back-to-back cp condition
- Data Motion UI for selecting destination aggregates for each source volume
- Data Motion supported with IC.4

For more information on the changes in the 4.0.1 release refer to the release notes available at http://now.netapp.com/NOW/knowledge/docs/DFM_win/rel401/pdfs/rnote.pdf.

For a complete list of known issues fixed in the DataFabric Manager server and its client applications, see the Bugs Online & Release Tools page on the NOW™ site:

<http://now.netapp.com/NOW/cgi-bin/bol>

3. Sales and Customer-Ready Tools (Training, SE, Customer Presentations, Datasheets, Sales Guides)

Look for customer presentations and other customer-ready content at the following locations:

- [Operations Manager](#)
- [Protection Manager and Protection Manager DR](#)
- [Provisioning Manager](#)

For quoting instructions, refer to the [Quote Tool Bulletin \(QTB\) for DFM](#).

4. System Requirements

Refer to the Interoperability Matrix Tool (IMT) for [supported platforms and compatibility matrix](#).

5. Product Information

- Operations Manager is licensed for each NetApp storage system being managed. Operations Manager is the base license and a prerequisite for Protection Manager and Provisioning Manager.
- Provisioning Manager is licensed for each NetApp storage system that is being managed. Even if only parts of the storage in a system are managed by Provisioning Manager, the full license needs to be purchased.

- Protection Manager should be licensed for every storage system that is participating in the data protection process. This includes any system that is running SnapVault primary, SnapVault secondary, and/or SnapMirror licenses. If any part of a system is being protected or is providing a resource for backup or mirroring, such as a single volume or aggregate, the entire system is considered as managed.
- Protection Manager DR is licensed based on the number of storage systems that will be managed in a disaster recovery environment for failover/failback. Protection Manager DR requires Protection Manager license as a prerequisite.
- The DataFabric Manager server is the core management server than is required to run Operations Manager, Provisioning Manager, or Protection Manager. It is licensed per instance. The license is required to enable the use of the embedded database.
- If needed, consult the [“Licensing in a Nutshell” guide](#) for more information.

Part Number	Description	Discount Category Code
SW-DFM-MGMTSVR	Software, DFM Management Server	J
SW-DFM-T(x)-OPSMGR-AD	Software, Operations Manager, Additive, Tier x (1-7)	J
SW-DFM-T(x)-PROVMGR-AD	Software, Provisioning Manager, Additive, Tier x (1-7)	J
SW-DFM-T(x)-PROTMGR-AD	Software, Protection Manager, Additive, Tier x (1-7)	J
SW-DFM-T(x)-PROTMGR-DR-AD	Software, Prot Mgr DR, Additive, Tier x (1c-7c)	J

Software Subscription Plans

The following table lists the SSP part numbers as of the date of this product bulletin. Partners should contact their channel representative for pricing information.

Part Number	Description	Discount Category Code
SW-SSP-DFM-MGMTSVR	SW Subs, DFM Management Server	S
SW-SSP-T(x)-OPSMGR-AD	Software, Operations Manager, Additive, Tier x (1-7)	S
SW-SSP-T(x)-PROVMGR-AD	Software, Provisioning Manager, Additive, Tier x (1-7)	S
SW-SSP-T(x)-PROTMGR-AD	Software, Protection Manager, Additive, Tier x (1-7)	S

Protection Manager DR does not have a separate SSP license and is included in the Protection Manager SSP.

All products can also be ordered through the FAS software packs.

In the new software structure for FAS/V3200 and FAS/V6200 all three products are included in the Base Pack, which is available with the systems at no additional cost.

For the older systems the products are available in the packs as follows:

- Operations Manager is part of the Base Pack.
- Provisioning Manager is part of the Foundation Pack.
- Protection Manager is part of the Protection Pack.

Refer to the [Software Packs and Bundles](#) bulletin for details.

Quoting

For quoting instructions, refer to the [Quote Tool Bulletin \(QTB\) for DFM](#).

Downloading

To download software, go to the [NOW Download Software](#) page.

Product Availability

DataFabric Manager server 4.0.1 with Operations Manager, Protection Manager, Protection Manager DR, and Provisioning Manager is available now.

6. Regulatory Compliance

Products need to be validated against the NetApp Safety/EMI Regulatory Compliance List prior to order submission. This is required to make sure that products are being sold only in the countries in which NetApp has received regulatory compliance certification. This information can be found in the Field Portal by searching under "Compliance, Policies and Procedures" or following the links below:

- [RoHS Compliance](#)
- [Safety/EMI Regulatory Compliance \(XLS\)](#)
- [WEEE Compliance](#)

7. Warranty and Service

Standard software warranty and services apply.

8. Additional Information

Contact information: Please contact your NetApp sales or channel partner representative with questions concerning this bulletin.