



Product Bulletin

Operations Manager, Protection Manager, and Provisioning Manager 3.8.1

Revision History

22 February 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 general availability (GA) of Operations Manager, Protection Manager, and Provisioning Manager 3.8.1, key components of the NetApp® Manageability Family.

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 System 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.

2. What's New?

Operations Manager, Protection Manager, and Provisioning Manager v3.8.1 are an update release to v3.8. It contains critical bug fixes found during initial deployments at customer accounts plus improved usability and extensions for all the three products.

Why should you upgrade to 3.8.1 of Operations Manager?

Storage Efficiency Dashboard

The NetApp Operations Manager Efficiency Dashboard is a new plug-in tool built on top of the Operations Manager (OM) database to allow customers to determine how well they are using both NetApp storage and NetApp storage efficiency technology. The two main areas of focus are "storage utilization" and "storage efficiency." The dashboard

will report the “storage utilization” and “storage efficiency” data consolidated across *all* storage systems or individual systems discovered by the OM instance as well as across any “resource group” defined in the OM instance. The plug-in requires v3.8.1 of OM.

The plug-in tool is available in the ToolChest section of the NOW™ site:
http://now.netapp.com/NOW/download/tools/omsed_plugin/.

There are significant GUI response time improvements in this version. These significant improvements will be visible especially in a large environment where Operations Manager is managing thousands of storage objects, with frequent creation/deletion of storage objects (aggregates, volumes, qtrees).

Report loading time is also improved significantly in this release. In a large environment where Operations Manager is managing thousands of storage objects, the report loading time for nonglobal users of Operations Manager, especially chargeback reports and custom reports, has improved quite significantly over v3.8 or earlier versions.

Why you should move to 3.8.1 Protection Manager?

- Customers can reliably reference the protection status for OSSV hosts provided by Protection Manager using Microsoft® Windows®. Previously, Microsoft Windows misinterpreted source path data, which caused incorrect reporting of OSSV protection status.
- Customers can efficiently utilize all available space on their secondary systems. Protection Manager significantly improved space utilization by eliminating double counts of secondary volume sizing, by deleting old backup schedules and by removing multiple backups for hosts tagged as “ignore.”

Why you should move to 3.8.1 Provisioning Manager?

- NAS/SAN thin provisioning works reliably with Data ONTAP® 8.0 and Data ONTAP 7.3.3 when volume autogrow/autodelete is enabled. NAS/SAN provisioning in Provisioning Manager 3.8 when used with Data ONTAP 8.0 or Data ONTAP 7.3.3 failed in some instances when the chosen provisioning policy tried to enable Data ONTAP volume autogrow or Snapshot™ autodelete. The fix in Provisioning Manager 3.8.1 addresses the above issue.
- Resolved an issue where incorrectly formatted NFS exports were generated when qtrees were provisioned into data sets and exported. The issue prevented the provisioned storage from being exported correctly to NFS hosts.

In addition to the above mentioned details, additional known issues have been fixed in this release. For further details, review the release notes at http://now.netapp.com/NOW/knowledge/docs/DFM_win/rel381/pdfs/mnote.pdf.

3. Sales Tools (Sales Guides, Training Presentations, SE Presentations)

Sales and SE information for Operations Manager, Protection Manager, Protection Manager DR, and Provisioning Manager can be found on the Field Portal under Index -> 03-Storage Management Software -> Storage Suite Management Software.

For individual product sales and SE training material, look for content at the following locations:-

Operations Manager

- [Sales Presentations](#)

Protection Manager and Protection Manager DR

- [Sales Presentations](#)

Provisioning Manager

- [Sales Presentations](#)

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

4. Customer-Ready Tools (Customer Presentations, Datasheets)

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

- [Operations Manager](#)

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

5. System Requirements

Refer to the NOW (NetApp on the Web) site for [supported platforms and compatibility matrix](#).

6. Product Information

- Operations Manager is licensed for each NetApp storage system being managed. Operations Manager is the base license for all other feature licenses.
- 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 FAS2xxx software packs:

- 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](#) guide 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 3.8.1 with Operations Manager, Protection Manager, Protection Manager DR, and Provisioning Manager is available now.

7. 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.

8. Warranty and Service

Standard software warranty and services apply.

9. Additional Information

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