



Product Bulletin

Operations Manager, Protection Manager, and Provisioning Manager 3.8

Revision History

8 June 2009 - Initial version

16 June 2009 – Text and link updates

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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 3.8, part of the NetApp Manageability Family Data Suite, for first customer ship.

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 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. 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?

What's New in Operations Manager 3.8?

- Tracking deduplication, file, and LUN clone space savings
 - o Provides deduplication, file, and LUN clone space saving reports
 - o Provides graphs for deduplication, file, and LUN clone space saving trends

- o Provides events for over-deduplication
- IPv6 support
 - o Operations Manager can discover storage systems and networks with IPv6 addresses.
 - o Operations Manager provides reports on the storage network interfaces with IPv6 addresses.
- Operations Manager does not support NetCache® systems from this version.
 - o Operations Manager does not discover or monitor NetCache systems.
 - o Operations Manager v3.7 is the last version that supports NetCache systems.
 - o For more details, refer to the EOA bulletin: http://mktg-web.corp.netapp.com/stellent/idcplg?IdcService=GET_FILE&dDocName=P_051220&RevisionSelectonMethod=LatestReleased.
- Operations Manager will not be supported on the Solaris™ platform from this version. Operations Manager v3.7 is the last version that is supported on the Solaris platform.

What's New in Protection Manager 3.8?

Protection Manager 3.8 enhancements include flexible naming to match customers' standard conventions and enabling fast Snapshot™ searches. Centralized reporting is also available through integration with Operations Manager. This allows customers to capture the data transfer rate, size, and duration without parsing through SnapMirror logs. In addition, key restore enhancements provide consistent data protection to meet service-level agreements and reduced risks with greater security and role-based access.

- Deduplication support
 - o Protection Manager can recognize the Snapshot copy of deduplicated SnapVault secondary volumes.
 - o Secondary provisioning policy is enabled with deduplication.
- Flexible volume, qtree, and Snapshot naming
 - o Optional attributes can be set by the user while creating or modifying a data set.
 - o No change will occur in names for volumes, qtrees, and Snapshot copies that were created before the upgrade.
- Data transfer report
 - o Mirror reports, backup reports, and data set reports have been added to the Operations Manager reporting section.
 - o Reports provide detailed information about each individual data transfer, as well as rollup weekly, monthly, quarterly, and yearly summaries.
- Scalability improvements
 - o Fan-in capability
 - o Dynamic secondary volume sizing
 - o Increased transfer stream count
- Restore enhancements
 - o Protection Manager provides faster browsing of backups and parallel restores of multiple qtrees.
 - o Warnings are provided if data will be overwritten on the destination by restore and if there is not enough space for restore on the volume.
- Relationship cleanup
 - o Protection Manager cleans up orphan relationships that are no longer in a data set by using a user-configurable parameter to determine cleanup rules.
 - o Users can also control when a rebaseline is initiated.

What's New in Provisioning Manager 3.8?

- Deduplication management
 - o New storage can be provisioned with deduplication automatically enabled and configured. The deduplication schedules are specified as part of the provisioning policy.
 - o Centralized on-demand deduplication.
 - o Space breakout and reports showing deduplication savings.
- Data migration for space management
 - o Automated offline migration of data sets and vFiler™ instances
- Enhanced vFiler setup
 - o Support for VLANs
 - o Cluster-aware vFiler setup
- Other enhancements:
 - o Enhanced thin provisioning for NFS data sets
 - o Includes volume automatic increase and automatic deletion of Snapshot copies
 - o Manual resource selection while provisioning
 - o Enhanced V-Series support; possible to specify externally managed RAID type in resiliency properties of provisioning policy
 - o User-selectable flexible volume and qtree naming convention
 - o IPv6 qualification

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 NetApp Field Portal under Index -> 03-Storage Management Software -> Storage Suite Management Software .

For individual product sales and SE training material, look in the following locations:-

Operations Manager

- [Sales Presentations](#)

Protection Manager and Protection Manager DR

- [Sales Presentations](#)

Provisioning Manager

- [Sales Presentations](#)

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

Note: Sales training materials for the products are being reviewed and are not available at the time of product FCS. Please check back soon. The updated sizing guide will be available by 26 August 2009.

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

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

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

Note: Customer presentations for the products are being reviewed and are not available at the time of product FCS. Please check back soon.

5. System Requirements

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

6. Product Information

- The DataFabric® Manager server is licensed as a single instance. The license is required to enable the use of the embedded database. This management server license is a prerequisite for all other feature licenses, including Operations Manager.
- 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. If part of a system, such as a single aggregate, is being managed by Provisioning Manager, the entire system counts as being managed.
- Protection Manager is licensed based on the number of storage systems being protected, plus the number of storage systems serving as data protection resources. This includes any system that is running Open Systems 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 as a prerequisite.
- 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 available from May 2009:

- 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, please 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 with Operations Manager, Protection Manager, Protection Manager DR, and Provisioning Manager is scheduled for availability on 10 June 10 2009.

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.

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