Data Protector—
What’s New in Version 10

Data Protector 10 offers a new web interface; redesigned security model; consolidated scheduler; and support for additional storage, platforms and applications for easier integration within heterogeneous environments. Read more to discover why you should upgrade to the latest version.

Data Protector 10 at a Glance:

- **Web Interface:** Get a comprehensive overview of your environment with a central web interface.
- **Consolidated Scheduler:** Consolidate all legacy scheduling tools into a single, web-based schedule.
- **Security Model:** Gain enhanced security between Data Protector components.
- **REST API Access:** Leverage new authentication and authorization layer for REST API functionality.
- **New Integrations:** Simplify backup management with new storage, platform, and application integrations.
- **Documentation Portal:** Access documentation online, with no sign-on required, and exchange ideas with community peers.

Micro Focus® Data Protector 10 will better protect your applications across legacy and modern platforms; enhance user experience; automate processes; and improve backup security to mitigate the risk of cyber-attacks. Here’s what you get when you upgrade to Data Protector 10.

**Web Interface**
Data Protector 10 launches the first phase of the new, web-based user interface. This first phase sees the introduction of informative dashboards, telemetry controls, and a consolidated scheduler.

- **Dashboards**—Administrators and users get easy insight through a single-view dashboard that drills down into the many facets of your backup environment including clients, licenses, data consumption, and devices.
- **Telemetry controls**—The new web interface allows users to auto-send (on a user-defined frequency schedule) anonymized telemetry data. With current telemetry data always on hand, our support engineers are able to quickly access your backup configuration information, thus streamlining support processes and providing resolutions faster.
- **Consolidated scheduler**—Data Protector 10’s consolidated scheduler is also available from the new web interface.

![Figure 1. Data Protector Dashboard](image)
Business value dashboard—integration with the dashboard provides point-in-time data describing the state of backups, accessible anywhere from any device for influencers to monitor and suggest changes to backup processes if needed.

Note: The HPE brand within the UI has been updated with the Micro Focus brand.

The Data Protector dashboard provides a single view of the heterogeneous backup environment. Manage hosts, clients, licenses, backup jobs, and all your devices from here.

Consolidated Scheduler
Data Protector 10 consolidates all legacy scheduling tools into a single, web-based scheduler for easier management of your backup schedules. This new consolidated scheduler incorporates all the features offered by the previous schedulers, as well as several new features.

- More granular scheduling—By-the-minute and by-the-hour backup schedule cadences are now available in addition to daily, weekly, and monthly cadences.
- Improved visibility—Day and month view. Day and month operation schedule overviews with filtering and searching capabilities.
- Debugging—Debug at a per-schedule level.
- Scheduling via CLI—Create, modify, and manage schedules using the "omnidbutil" command.
- Cloning—Clone schedules for a given administrator to save time in larger or complex deployments.
- Pause/resume—Use the scheduler to set pause and resume timeframes when maintenance of the Data Protector Cell Manager is planned or ongoing.
- Import/Export—Use the scheduler CLI to import / export a single schedule or all schedules to a file.

Get a quick overview of your scheduled backups with daily/weekly/monthly views. Filter the results by system, application or integration type to see critical items.

Advanced Security Model
Data Protector 10 introduces more secure and simplified communication between Data Protector components, creating a highly reliable and secure backup environment with lower overhead.

- Secure peering—When upgrading to Data Protector 10, self-signed certificates and private keys are generated on both the Installation Server and Cell Manager. No communications between these two components can take place until specific commands are entered and the fingerprints of each are verified, which configures ‘secure peering’ between the two. All future communications are then secured (via a TLS 1.2 channel) and encrypted between the two. Similarly, communications between Cell Manager and client also employ secure peering.
- SMB Signing—Use of SMB (Session Message Block) signing is expanded across the Windows estate. Files copied to clients from the Installation Server are delivered with signed and verified packages, guaranteeing data integrity.
- SSH by default—Previously, Data Protector used RSH and REXEC protocols by default to push packages for local installation on Linux/Unix clients. SSH (Secure Shell), which sends and receives data in an encrypted format and is widely regarded as one of the most secure protocols available, is now the default protocol.
- Centralized Command Execution—Only the Cell Manager is now allowed to send commands, instructions, and script execution commands (over a secure, TLS 1.2 encrypted channel) to the INET process on clients. This centralized approach ensures that clients will only accept instructions from the trusted, verified Cell Manager, significantly reducing the risk of rogue elements in the Data Protector network initiating security breaches.
REST API Access
Automation is key and Data Protector is making a huge leap into this arena with an authentication and authorization layer for REST API functionality. Data Protector 10 exposes APIs for scheduler, telemetry and restore functions so that users can seamlessly integrate Data Protector workflows with existing solutions such as web portals, applications, deployment tools, and more.

- **Browser access**—REST APIs can be accessed via a browser to plug in self-service restore of file systems, SQL, SAP, Oracle, VEPA, IDB files, disk image, and NDMP backups.

- **Automation and orchestration**—For larger environments, REST API’s and CLI’s can be scripted and automated with existing tools.

**Storage Integrations**
Data Protector 10 customers with heterogeneous environments will benefit from newly added integrations with storage systems, simplifying management and reducing costs. These include:

- EMC DDboost 3.4 and DDOS 6.1 Library
- HPE Recovery Manager Central (RMC) 4.0/4.1
- HPE SimpliVity and Nimble
- NetApp Cluster Mode—ZDB for VMware, Oracle, SQL
- NetApp NDMP 3-way backup with StoreOnce Catalyst and File Library
- NetApp ONTAP 9.1
- StoreOnce 3.16 and 3.18 with HPE Cloudbank support
- ZDB/IR with HPE XP P9500 Storage with RHEL 7

**Platform and Application Integrations**
Data Protector 10 introduces several platform and application integrations, expanding a large and comprehensive interoperability matrix and simplifying Data Protector operations, including:

- AIX 7.2
- Amazon AWS S3/Ceph/Scality.
- Microsoft Exchange 2016 and Granular Recovery
- Microsoft Hyper-V 2016
- Microsoft SharePoint 2013 GRE support with SQL Availability Groups
- Network multi-homing support
- NetApp Cluster Mode—(Snapshot Management) ZDB for VMware, Oracle, SQL
- Oracle 12c SYSBACKUP
- SAP HANA 2.0 SPS 01
- VMware 6.0 U3, VMware 6.5 U1 with VMFS 6 support / VDDK 6.5 U1 Upgrade

**Note:** For a full list of all storage, platform, and application integrations, visit the documentation portal.

**Documentation Portal**
Stay up-to-date and engaged with two new online platforms that provide centralized access to resources and opportunities to exchange product ideas.

- **Documentation Portal**—Find Data Protector technical documentation such as compatibility matrices, installation guide, and release notes in one centralized online location. The new portal replaces the previous PDF-based documentation. Indexed for web searches and no sign-on required, the information is easily findable and accessible.

- **Idea Exchange**—With Data Protector 10 comes the launch of Idea Exchange, an online platform where users can voice ideas to improve the Data Protection product suite; get feedback on those ideas; engage in dialog with SMEs, product managers, and other users; and vote on others’ ideas for inclusion in the product.

**Upgrade Today!**
Data Protector 10.03 is available as a full, direct install. Customers can upgrade from Data Protector 9.0x or 8.1x in a single step, simplifying the installation process and saving time.

**Learn More At**
www.microfocus.com/dataprotection