

# Backup Your SAP HANA with Data Protector

Micro Focus® Data Protector is an SAP-certified solution that addresses the data protection challenges of organizations migrating from traditional databases to SAP HANA. It enables highly scalable, centrally managed backup and recovery for SAP HANA environments with single and multi-node cluster deployments.

## Data Protector at a Glance:

- Integrated, tested, and certified for SAP HANA environments
- Application consistent protection and built-in DR
- Predictive SLA Management
- Flexible, scalable, high-performance design

## Why an Enterprise Backup Solution Is Required

SAP HANA is SAP's in-memory computing platform for performing real-time analytics on large volumes of data at a very high speed. Organizations that plan to migrate from traditional databases to SAP HANA to benefit from its capabilities must establish a comprehensive data protection and availability strategy as it is critical to the success of these mission-critical deployments. However, with the constant growth in application complexity, data volumes, and business demands, meeting service level requirements of SAP environments remains a challenge.

While SAP HANA native backup tools automatically save data from memory to disk at regular savepoints, an enterprise backup solution is essential to complement these native tools to address the following core data protection requirements:

- Protect against disk failures, logical damage, human error, or application bugs
- Create full backups and store them off-site on a different medium for Disaster Recovery
- Reset the database to an earlier point in time, if required
- Restore the underlying operating system and configuration
- Create additional database copies
- Meet legal and compliance requirements.

## Data Protector for SAP HANA

Data Protector is an SAP-certified backup and recovery solution that addresses these challenges for SAP systems running on the SAP HANA database. It delivers highly scalable, centrally managed backup and recovery for SAP HANA environments with single and multi-node cluster deployments.

Data Protector is designed to best meet the stringent data protection requirements of SAP HANA environments and delivers the following key capabilities:

## Integrated, Tested, and Certified for SAP HANA Environments

Tight integration with SAP native tools including BRTools and backint provides a seamless enterprise grade data protection deployment. This enables organizations to meet all SAP recommended data protection best-practices including backup of configuration files, keeping full backups off-site on a different media, and keeping a full copy of backup data on tape. Integration with the SAP HANA Studio Cockpit enables the management and monitoring of backup and recovery tasks directly from the SAP HANA studio, removing the need for scripting or manual steps. Tested and certified by SAP, Data Protector allows organizations to confidently update their HANA deployment without breaking their backup process.

## Solution Flyer

Backup Your SAP HANA with Data Protector

### Application Protection

The integrated smart agent for SAP environments provides application consistent protection and recovery of HANA databases meeting continuity requirements at the highest level of integrity. Tracking and management of log files enables database recovery to a state at a specific point in time, or the most recent restorable state. These integrations enable efficient data protection for multi-node installations across physical, virtual and cloud instances; they also enable local fiber channel (FC) attached backup, LAN backup to remote locations, offloading to tape for long-term retention and archiving into the cloud.

### Built-in Disaster Recovery

Enhanced Automated Disaster Recovery (EADR) provides a single check box for backup of application data as well as system data including operating system files, drivers, and files required for the initial boot process simplifying the full recovery process should an SAP HANA node fail completely. Integrated bare-metal recovery option from or to physical and virtual systems from any backup set allows organizations to maintain consistency and meet SLAs across the entire SAP HANA environment.

### Predictive SLA Management

Predictive analytics monitor and track Service Level Agreements to provide valuable insights to forecast and avoid outages. SAP HANA environments are typically mission critical, hence require management and real-time monitoring of service levels agreement (SLAs). The application monitoring dashboard allows SAP HANA admins to define and manage and track application recovery point and time objectives (RPOs and RTOs) with alerts and intelligent recommendations to ensure that availability needs can be met consistently.

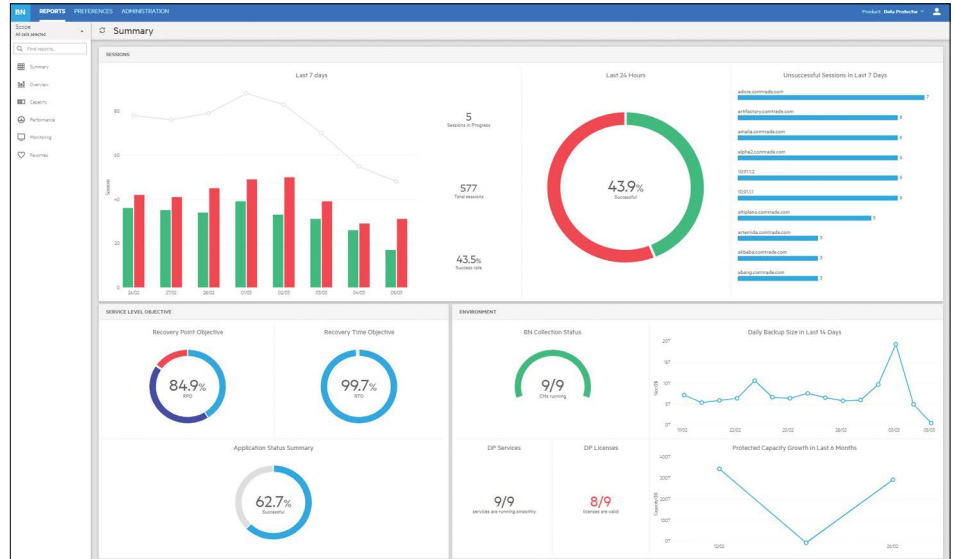


Figure 1. All critical backup metrics can be tracked and managed on a single summary dashboard including the latest RTO and RPO results.

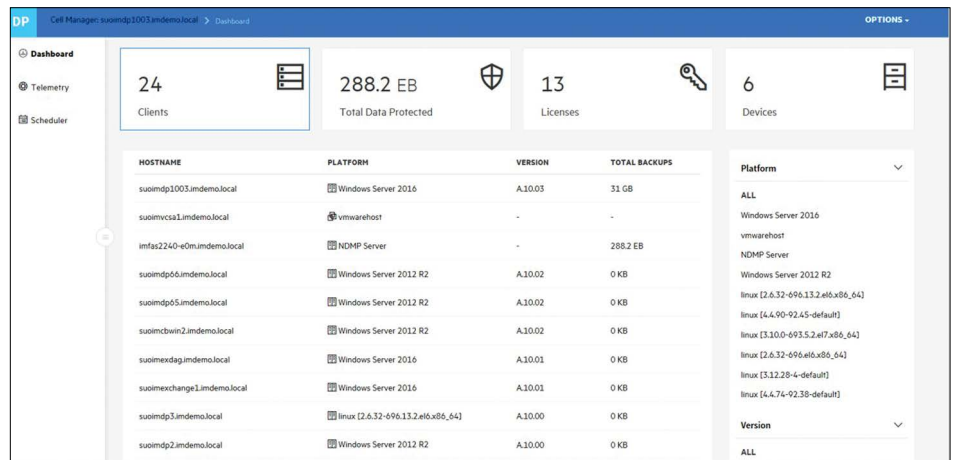


Figure 2. SAP admins can manage hosts, clients, licenses, backup jobs and all devices from a single dashboard.

### Flexible, Highly Efficient Design

The flexible, high-performance design enables parallel backups to several hundred devices, including high-end devices in very large virtual

and physical backup libraries. With high-performing backup capabilities, SAP HANA administrators can scale to deliver more than 100 TB per hour of throughput in a single session.

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Integrated HPE StoreOnce deduplication that can be configured to run either on the client, a media server, or on a backup target minimizes storage footprint and transfers data efficiently, especially over slow networks. Various backup possibilities, such as local backup, network backup, disk snapshot backup, disk image backup, synthetic backup, backup with object mirroring, and built-in support for parallel data streams allow organizations to tune their SAP environment protection to best fit their specific requirements.

### High-Performance Data Protection beyond SAP HANA

SAP HANA users can deploy Data Protector as a universal backup solution simplifying and standardizing backup and recovery for filesystems and applications across heterogeneous environments—physical, virtual, and cloud, and storage platforms, and operating systems. Data Protector is designed to seamlessly scale from a

small, single system deployment to thousands of systems across core data centers and remote sites, and backup to disk, tape, and cloud targets. Built on an adaptive architecture that combines analytics, automation, and built-in security, Data Protector allows you to reach across applications and infrastructure silos and automate the full range of business continuity processes, eliminating multiple products and manual error-prone actions.

Learn more about the full range of backup and recovery capabilities Data Protector offers [here](#).

#### Try Now

Visit [www.microfocus.com/dataprotector](http://www.microfocus.com/dataprotector) to download your [free 60-day Data Protector trial](#).

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Integration with SAP HANA®