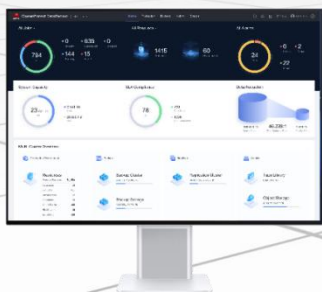# Huawei OceanProtect DataBackup Data Sheet

OceanProtect DataBackup

Overview

OceanProtect DataBackup is a data protection software that bolsters resilience in next-generation data centers and multi-cloud environments. Designed on the principles of ultimate protection and efficient data usage, the software enables all-scenario data protection and seamless collaboration across on-premises and cloud environments (edge, central, and multi-cloud).

The OceanProtect DataBackup system offers comprehensive ecosystem protection, backup for multi-cloud environments, and robust data resilience. Its unified management platform streamlines data backup and recovery management, copy usage, and risk detection for industry ecosystems, reducing data risks and maximizing return on investment (ROI) on enterprise backup systems.

Key Features

Comprehensive ecosystem protection

- OceanProtect DataBackup is highly versatile, supporting edge/branch/central data centers and cloud environments. It enables unified backup, recovery, and copy management for traditional databases, virtualization, and file systems, as well as for emerging applications such as distributed databases, big data, data warehouses, AI, and SaaS.

Cloud protection

- Provides IaaS/PaaS/SaaS cloud full-stack backup services, the software offers centralized backup and recovery, tenant resource isolation, and SLA services for multi-cloud environments, including cloud hosts, databases, data warehouses, containers, applications and storage—all while enabling seamless data flow between cloud and on-premises systems.

Robust resilience

- Multilayered ransomware protection is delivered through excellent security features, including encryption, WORM anti-tampering, anti-deletion, and Air Gap, and storage-network collaboration. The ransomware detection feature achieves 99.9% accuracy and flexible data anonymization policies ensure regulatory compliance.

Efficient and intelligent management

- The software is equipped with smart, easy-to-use features, including automatic cluster identification, concurrent processing, instant recovery, efficient data usage, file retrieval from mass data in seconds, intelligent capacity and performance prediction, and mobile O&M management.

Product Features

Feature	Supported Capabilities
Main Compatibility	**Database & Application**: Oracle, SQL Server, Db2, MariaDB, MySQL, SAP HANA, Informix, AntDB, Cassandra, CMDB, TiDB, TDSQL, OceanBase, GoldenDB, GaussDB T, openGauss, Vastbase, MogDB, PostgreSQL, MongoDB, GaussDB, GBase, Dameng, ShenTong, Kingbase, PolarDB, AntDB, CMDB, GreatDB, Exchange, Active Directory, SharePoint; **OS**: (file backup) Windows, Linux, UNIX, Kylin, UOS, NFS China, Red Flag; **Virtualization**: VMware, Hyper-V, Red Hat Virtualization, FusionCompute, CNWare, Nutanix; **Cloud**: OpenStack, Huawei Cloud Stack, Huawei Cloud ECS, Alibaba Cloud ECS, AWS EC2; **SaaS:** Microsoft 365, Microsoft Entra ID; **Big data**: Huawei MRS, DWS, CDH Hadoop, HDFS, HBase, Hive, Elasticsearch, Redis, ClickHouse; **Container**: Kubernetes (CSI/FlexVolume, Huawei Cloud Stack CCE/DCS Container), Red Hat OpenShift **Storage**: OceanStor Dorado, OceanStor Pacific, Huawei Cloud EVS, SFS, Alibaba Cloud OSS, AWS S3, NAS;
Backup Types	Full, incremental, differential, forever incremental (synthetic backup), log
Cloud Platform Integration	Huawei Cloud Stack, Huawei Cloud, Alibaba Cloud, AWS etc.
Storage Devices	Local disks, SAN, NAS, object storage, cloud storage
Recovery Types	Restoring to the original and a different host, and point-in-time recovery and file-level recovery for specific systems
Instant Recovery	Copy data management, live mount, copy usage
Data Reduction	Inline variable-length deduplication, data compression
Remote Replication	Remote replication (one-to-many, many-to-one, and bidirectional), deduplication and compression, encrypted transmission, bandwidth throttling, and resumable data transfer
Long-Term Retention	Data lifecycle management, tiering backup data to tape libraries (IBM, Quantum) and objects (AWS S3, Huawei Cloud Stack OBS)
Data Encryption	Client, transmission, storage
Data Resilience	AI Ransomware detection, WORM, Air Gap
Data Masking	Data masking, preset policies, customized policies
Data Retrieval	Global search, including resource search, copy data file search, and directory search
User Management	System administrators, operators, auditors, and tenants management and their permissions management Role-based access control (RBAC)
intelligent management	Support AI assistant, AI intelligent scheduling, Unified GUI-based cluster management and wizard-based configuration of the backup management platform
Monitoring and Alarms	Monitoring of capacity, performance, alarms, and tasks GUI-based centralized alarm management, SNMP alarms, and alarm notification by email
Reports	Statistical reports on backup, recovery, and storage capacity (exported and sent in PDF or Excel)
Mobile O&M	Anytime, anywhere O&M through mobile app

To learn more about Huawei storage, please contact your local Huawei office or visit the
Huawei Enterprise website: https://e.huawei.com.

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