ZConverter

ZConverter Backup - Technical Datasheet

Enterprise backup and recovery solution specifications

Product Overview

ZConverter Backup is an enterprise-grade data protection solution that provides continuous backup and instant recovery for physical, virtual, and cloud workloads.

Key Capabilities:
- Kernel-level continuous data protection (CDP)
- Near-zero RPO (< 5 seconds for critical workloads)
- Instant recovery with boot-from-backup capability
- Cross-platform and cross-cloud portability
- Application-aware backups for databases and messaging systems
- Automated backup verification and integrity checking

Architecture:
ZConverter Backup uses a lightweight kernel module to capture block-level changes in real-time. Changes are compressed, deduplicated, and encrypted before transmission to the backup repository. The solution supports both on-premises and cloud-based backup targets.

Deployment Models:
- On-premises backup appliance
- Cloud-native backup service (AWS, Azure, GCP, NCP)
- Hybrid (on-premises + cloud tiering)

Technical Specifications

Supported Platforms:

Operating Systems:
- Windows Server 2012 R2, 2016, 2019, 2022
- Red Hat Enterprise Linux 7.x, 8.x, 9.x
- CentOS 7.x, 8.x Stream
- Ubuntu 18.04 LTS, 20.04 LTS, 22.04 LTS
- SUSE Linux Enterprise Server 12 SP5, 15 SP4+
- Oracle Linux 7.x, 8.x, 9.x

Virtualization:
- VMware vSphere 6.5, 6.7, 7.0, 8.0
- Microsoft Hyper-V 2016, 2019, 2022
- KVM/QEMU
- Citrix XenServer 7.x, 8.x

Cloud Platforms:
- Amazon Web Services (EC2, EBS, S3)
- Microsoft Azure (VMs, Managed Disks, Blob Storage)
- Google Cloud Platform (Compute Engine, Persistent Disk)
- Naver Cloud Platform (Server, Block Storage, Object Storage)
- KT Cloud (Server, Volume, Object Storage)

Application Support:
- Oracle Database 11g, 12c, 19c, 21c
- Microsoft SQL Server 2014, 2016, 2019, 2022
- PostgreSQL 12, 13, 14, 15, 16
- MySQL 5.7, 8.0
- MongoDB 4.4, 5.0, 6.0, 7.0
- SAP HANA 2.0
- Microsoft Exchange 2016, 2019
- Microsoft SharePoint 2016, 2019

Performance Specifications:
- Maximum protected capacity per agent: 64TB
- Maximum concurrent backup streams: 256
- Data transfer rate: Up to 2Gbps per agent
- Deduplication ratio (typical): 10:1 to 50:1
- Compression ratio (typical): 2:1 to 5:1
- Agent CPU overhead: < 2%
- Agent memory footprint: < 150MB

Licensing & Support

Licensing Models:

Per-Server License:
- Includes unlimited backup capacity
- Supports physical, virtual, or cloud instances
- Annual subscription with automatic updates

Per-TB License:
- Based on protected source data volume
- Ideal for environments with large storage requirements
- Volume discounts available for 50TB+

Enterprise License:
- Unlimited servers and capacity
- Dedicated technical account manager
- Custom SLA with guaranteed response times
- Professional services for deployment and optimization

Support Tiers:

Standard Support:
- Business hours (9AM-6PM KST, Mon-Fri)
- Email and phone support
- 4-hour response time for critical issues
- Access to knowledge base and documentation

Premium Support:
- 24/7/365 support coverage
- Phone, email, and chat support
- 1-hour response time for critical issues
- Quarterly health checks and optimization reviews

Enterprise Support:
- 24/7/365 dedicated support team
- 15-minute response time for critical issues
- On-site support available
- Monthly business reviews with executive reporting

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