

StorageReady

TECHNICAL BRIEF

1. SOLUTION COMPONENTS OVERVIEW

The Storage Observability platform delivers out-of-the-box integrations, pre-configured ETL connections, data mappings, and workflow automation designed for immediate enterprise use.

Out-of-the-Box Connectors

Supports direct API integrations with leading storage platforms including:

- NetApp ONTAP & Cloud Volumes ONTAP
- Dell EMC (Unity, PowerScale, VxRail)
- Pure Storage (FlashArray, FlashBlade)
- Cohesity
- Cloudian
- Qumulo
- Hitachi Vantara
- HPE 3PAR / Nimble
- IBM Spectrum
- Ceph
- Additional connectors can be enabled through extended API configurations

WORKFLOW AUTOMATIONS

- Alert normalization and suppression
- Proactive threshold monitoring (custom % capacity triggers)
- Integration with ServiceNow for auto-ticket generation
- Notification routing to ITSM/CMDB, Slack, email, and webhooks

PRE-BUILT REPORTS & VIEWS

- **Capacity Utilization** (system, pool, and volume-level)
- **Health Monitoring** (error states)
- **Inventory Reports** (device details, firmware versions, topology maps)
- **Alert Summary Views** (by severity, time, vendor, device)

PRE-CONFIGURED DATA MAPPINGS

- **Unified object models across vendors for:**
 - Volumes
 - Storage pools
 - Appliances and nodes
 - Alert types and severities
- **Supports both structured and unstructured** data storage schemas

2. TECHNICAL ARCHITECTURE

StorageReady is architected for extensibility and seamless integration into enterprise storage ecosystems



System Integration

- API-based connectivity (REST, SNMP, CLI as needed per vendor)
- Supports OAuth2, Basic Auth, Token-based, and custom vendor authentication
- Polling intervals configurable by vendor, device type, and use case



Data Normalization Engine

- Normalizes alert severity across systems (e.g., Critical/High/Info mapped uniformly)
- Aggregates multi-source telemetry into a unified event pipeline
- Enables cross-vendor reporting and correlation



Alert Management

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Workflow Automation Engine

- Templated workflows for:
 - ServiceNow incident creation
 - Notification escalation paths
 - Scheduled reporting exports (CSV, JSON, API push)
- Custom workflow editor available via visual rule builder

3. IMPLEMENTATION SPECIFICATIONS

Ready for rapid deployment in demo or production environments with clear install pathways.



Installation & Environment Requirements

- Available as a VM or container-based deployment
- Light-weight core for demo/testing
- Production core supports HA, multi-node scalability



Security & Compliance

- Fully on-premises deployment, no outbound traffic required
- Adheres to enterprise data protection policies
- Supports role-based access control (RBAC), LDAP/AD authentication, audit logging



Integration Points

- Native ServiceNow connector (Incident, CMDB, Change)
- Integration with Splunk, Elastic, or third-party SIEM via webhook/API
- Compatible with internal observability frameworks (Prometheus, Grafana)



Scalability

- Tested and certified for 3,000+ storage system connections
- Handles >5,000 alerts per day with real-time correlation
- Horizontal scaling supported via modular microservices

4. OPERATIONAL FEATURES

Designed for flexibility, extensibility, and integration into existing infrastructureComprehensive visibility and control across your storage ecosystem.



Proactive Monitoring

- User-defined thresholds (e.g., 70%, 80%, 90% capacity triggers)
- Predictive alerts based on historical usage and trend analysis
- SLA-aware alerting and calendar-aware suppression



Centralized Dashboard

- Unified view for all storage platforms
- Customizable widgets by team, geography, storage type
- Role-specific dashboards (Ops, Compliance, Engineering)



Custom Alert Rules & Actions

- Define triggers by vendor, severity, device type
- Map alerts to teams, time windows, and response actions
- Auto-remediation via integrations with orchestration tools (Ansible, Terraform)



Reporting & Analytics

- Interactive dashboards with drill-down from global to device level
- Exportable reports for compliance, forecasting, and capacity planning
- Custom report scheduling with API access for BI integrations

For a full technical walkthrough or architecture consultation, please contact your ReadyWorks solution engineer or schedule a live demo.

ReadyWorks.com/demo