



How to build a future-ready **log management strategy**



This checklist highlights the key steps for moving from legacy, fragmented log tools to a unified observability approach that helps reduce operational complexity, control costs, and elevate decision-making with faster, richer insights.

The result: fewer tools to manage, more predictable costs, and the ability to turn log data from a maintenance overhead into a strategic asset that accelerates innovation and resilience.

Strategic assessment

This phase establishes a clear understanding of your current environment and defines the modernization outcomes you want to achieve.

- ✓ **Identify log sources and volume:** Catalog all sources of log data (applications, infrastructure, cloud services) and how you collect and forward them. Estimate daily ingest volumes to plan for capacity and data segmentation.
- ✓ **Classify log types and usage:** Differentiate between log types such as application, audit, network, and security logs. Identify who uses them and for what purpose (troubleshooting, compliance, dashboarding, etc.).
- ✓ **Define retention requirements:** Determine how long each log type must be stored based on operational needs, compliance mandates, and privacy requirements.
- ✓ **Evaluate current costs and value:** Analyze your existing log management spending, including licensing, storage, and operational overhead. Identify cost-inefficiencies and areas where value is low.
- ✓ **Set modernization goals:** Define clear objectives, such as reducing mean time to resolution, lowering observability costs by a specific percentage, or automating root cause analysis.

Implementation and optimization

This phase focuses on deploying a modern log management platform and addressing whether data flows are optimized to deliver maximum operational and financial value.

- ✓ **Unify observability telemetry:** Consolidate logs, metrics, traces, and events into a single, unified platform to eliminate data fragmentation and provide complete context for analysis.
- ✓ **Structure your data using buckets:** Organize log telemetry into dedicated buckets based on use case, team access, retention period, and team structure. This reduces the amount of data scanned per query, improving performance and lowering costs.
- ✓ **Filter and route logs on ingest:** Use ingestion pipelines to filter irrelevant logs, extract metrics, or business events, and define the desired retention buckets. This optimizes costs while ensuring relevant teams have access to their logs for up to 10 years.
- ✓ **Configure retention policies:** Optimize storage costs by setting specific retention periods for each bucket to align with your defined requirements.
- ✓ **Implement access controls:** Enhance security and prevent unnecessary data scanning by using IAM policies and policy boundaries to enforce least-privilege access, allowing users to query only the data relevant to their roles.

Proactive operations and automation

This phase centers on using your modern log management platform to shift from reactive issue resolution to proactive prevention, leveraging automation and real-time insights to improve stability, efficiency, and resilience.

- ✓ **Leverage AI-powered analysis:** Use the platform's AI capabilities, like Dynatrace Intelligence, to automatically analyze logs in context with other telemetry, identify root causes, and reduce manual troubleshooting.
- ✓ **Create log-based metrics and events:** Convert high-volume log data into metrics for cost-effective monitoring and alerting on dashboards. Create events from logs to trigger automated alerting and remediation workflows.
- ✓ **Enable contextual troubleshooting:** Speed up troubleshooting by using AI features that provide logs in the context of specific entities, such as a Kubernetes pod or a user session.
- ✓ **Shift to proactive issue prevention:** Use predictive analytics provided by Dynatrace Intelligence to forecast potential problems and trigger automated resolutions before they impact users, improving service uptime and reliability.
- ✓ **Track usage and adoption:** Monitor ready-made dashboards to understand log ingestion volume, query patterns, and costs. Use these insights to continuously optimize your configuration and demonstrate the value of your modernized approach.

Unlock intelligent log management with DXC and Dynatrace

Navigating modern log management requires a strategic partner who understands how to turn data into business value. Together, DXC and Dynatrace deliver a unified vision for intelligent operations that transforms complexity into clarity:

- **Trusted knowledge.** DXC boasts over 280 Dynatrace-certified engineers and a Center of Excellence for Logs Management on Dynatrace Grail®.
- **Cost-efficient ops.** Gain predictive cost analysis and efficient management of high-volume data, helping you maximize ROI while maintaining full-stack visibility.
- **Proactive business management.** By aligning log data with strategic KPIs, DXC and Dynatrace enable teams to measure the impact of system health on customer experience and operational efficiency, turning IT insights into a competitive advantage.

Learn more in the joint DXC and Dynatrace eBook: [“Master cloud complexity with AI-powered observability.”](#)

Your log data is already shaping outcomes

Make sure it's driving the right ones

See how leading organizations are transforming operations, reducing risk, and improving performance with modern log management in our free eBook: "From operational overhead to strategic value: Driving outcomes with modern log management."

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