Search. Observe. Protect.

Implementing observability:

An interactive checklist

If you're considering launching an observability initiative, congratulations! Observability is all about the data and you will need all of it from your application environment. Or certainly, as much as can be practically stored. Beyond the logs, metrics, and traces you typically collect, you'll need a way to contextualize all of that information for easy investigation and troubleshooting. Because observability is not just about resolving known issues, but proactively finding the unknown unknowns, or where there might be a problem.

To start with, you'll need to instrument as much of your environment as possible to capture and store the data needed for analysis. An inventory and full understanding of what's in use for your environment (or proof of concept) is a good first step. We've also included some key considerations in addition to telemetry data requirements.

Support for all types of observability data

Support for logs

Support for metrics

Support for application traces

Easy ingest of telemetry data

Operating systems

Windows

Linux

_____

_____

Cloud providers we use

    AWS

    Google Cloud Platform

    Azure

    _____

    _____

Orchestration tools we use

    Kubernetes

    Docker

    _____

    _____

Services we use

    Databases and datastores:

        Oracle

        Redis Enterprise

        _____

        _____

    Messaging and key/value stores

        RabbitMQ

        Kafka

        etcd

        _____

        _____

    Other services

        Slack

        ServiceNow

        _____

        _____

        _____

Application traces

Native support for languages that we use

Python

Javascript

———————————————————————

———————————————————————

Support for standards-based languages

OpenTelemetry

Jaeger

———————————————————————

———————————————————————

Support for high dimension, high-cardinality data

Intuitive data visualization and navigation

Workflows with context and correlation

Easy to use and configure alerting, anomaly detection, and AIOps

Unified data store, with the ability to compare, contrast, and correlate data

Automatic detection of outliers and errors

Assistance finding the "unknown unknowns"

Proactive monitoring of key user workflows

Highly available, unified solution

Ownership of data and the data lifecycle

This **Implementing observability checklist** will get you started on your observability journey! As mentioned earlier, it's all about the data. Collecting data, analyzing data, and learning from your data. Ownership and control of your observability data is of crucial importance but there's even more to consider. Learn more with our **Leveraging observability to build better applications** and **Data building blocks for an observability solution** ebooks.

Observability for your application environment is a multi-step initiative and a change in the way you manage your applications. And Elastic Observability is the only extensible observability solution built on a search platform that ingests all telemetry data, adds context, and correlates for faster root cause analysis. End result? Reduced MTTR and increased developer productivity. You can start out with a free trial of **Elastic Observability**, start monitoring, and take the next step in your observability journey, today.

elastic