Getting data into InfraMon

The first step to driving value from Splunk Observability Cloud is getting data in. As soon as you have data flowing into the Splunk Observability Cloud platform, the Infrastructure Navigator tool provides you with insights on your IT infrastructure.

No two customer environments are exactly alike, and getting data into Splunk from your specific environment may feel like a daunting task at first. However, Splunk Observability Cloud has a number of built-in tools to make getting data in as quick and painless as possible.

Where to start

We recommend that all customers start with this Tutorial to getting data into Splunk Infrastructure Monitoring. This tutorial walks you step-by-step through getting data in, with clear visual aids and screenshots that cover the vast majority of customer environments.

If the tutorial does not provide the information required to get data from your environment, or if you are looking for additional resources, try these resources:

Popular data sources:

- Cloud for AWS CloudWatch
- Kubernetes
- Java applications (OTEL collector)
- .NET applications (OTEL collector)

For more information, see Splunk Documentation - Our most comprehensive, technical documentation for getting data in from all environments.

Connect cloud services

Connect Splunk Observability Cloud to your cloud service provider to collect data from supported cloud services in AWS, GCP, or Azure. If you don’t use cloud services or don’t want Splunk Observability Cloud to collect data from them, skip to the next step. You do not have to connect to cloud services to monitor hosts or Kubernetes clusters that run in cloud services, but connecting your cloud account is the only way to collect cloud metadata.

To connect to a cloud service, select Navigation menu > Data setup and search for the cloud service you want to connect to.

For detailed steps on connecting cloud services to Observability Cloud, see the following:

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Collect infrastructure data

Splunk Observability Cloud supports integrations for Kubernetes, Linux, and Windows. Integrations for these data sources help you deploy a Splunk OpenTelemetry Collector to export metrics from hosts and containers to Splunk Observability Cloud. Using the Splunk OpenTelemetry Collector is optional; however, you get higher-resolution data using the collector than from cloud integrations.

See these pages for more information about sending host or container metrics to Splunk Observability Cloud:

- Collect Kubernetes data
- Collect Linux host data
- Collect Windows host data

Other data sources are available and described in the integration reference documentation.

Additionally, the Getting data in: Configure data ingestion for Splunk Infrastructure Monitoring Tech Talk explains:

- Connecting with AWS using CloudWatch polling, CloudWatch Metric Streams, and OpenTelemetry Collector
- Data ingestion from Kubernetes deployments, such as Amazon EKS, using OpenTelemetry Collector in Splunk Infrastructure Monitoring and Splunk Cloud Platform
- Automatic discovery and data-ingestion with hundreds of pre-built integrations

Verify successful data ingestion

After you have completed the setup for Getting Data In, you can verify successful ingestion by leveraging the built-in content found in-app. To view the Infrastructure Overview, select Navigation menu > Infrastructure. If your data has populated there, you have successfully completed this initial step.