HOW TO INSTALL AND USE SPLUNK FOR INDUSTRIAL IoT

Welcome to Splunk for Industrial IoT.

Splunk for Industrial IoT is a solution bundle that simplifies data ingestion and visualization across industrial applications and sources and gives you the power to monitor, optimize, and secure industrial assets, facilities, and operations.

Splunk for Industrial IoT includes the following products:

- **Splunk Enterprise:** This software product enables you to search, analyze and visualize the data gathered from applications, sensors, devices and more.

- **Splunk Industrial Asset Intelligence (IAI):** This application allows you to monitor asset health, alert on metric anomalies, create custom metrics, perform root cause analysis for issues across data sources and measure overall equipment effectiveness in real time.

- **Splunk Add-on for OPC (OPC):** This add-on allows you to stream metrics and alarms data from OPC servers to Splunk.

- **Splunk Machine Learning Toolkit (MLTK):** This app helps you apply a variety of ML techniques and methods against your data, such as classification, regression, anomaly detection and outlier detection for predictive analytics.

These components work together in your deployment to help you get value from your industrial data.

Installation Steps

1. Download Splunk Enterprise.

   - For instructions on how to install Splunk Enterprise, see the Splunk Enterprise Installation Manual.

2. To use IAI, OPC and MLTK, download the apps to extend the Splunk Enterprise environment to fit your specific needs.

   - For instructions on how to install Splunk IAI, see Installation Overview for Splunk Industrial Asset Intelligence.

   - For instructions on how to install the Splunk Add-on for OPC, see Installation Steps for the Splunk Add-on for OPC.

   - For instructions on how to install the Splunk Machine Learning Toolkit, see Install the Splunk Machine Learning Toolkit.

Splunk Essentials

Three Splunk Essentials are available on Splunkbase to provide common use cases relevant to OT environments. Designed for interactive learning, these guides focus on how to solve real problems with real data.

- Splunk Essentials for Predictive Maintenance: This is created for maintenance reliability leaders and engineers who are looking for ways to improve and optimize their current preventive maintenance program.

- Splunk Essentials for ICS Monitoring and Diagnostics: This guide focuses on helping Industrial Control Systems (ICS) teams understand potential use cases and gaining a holistic view of ICS environments.

- **Splunk Essentials for ICS Security and Compliance**: This guide helps you gain a clearer understanding of the impact of security incidents on Industrial Control Systems and how you can use Splunk to see and respond to real-world threats immediately.

Apps from Splunk, Partners and Community

The Splunkbase library has thousands of apps and add-ons from Splunk, our partners and our community. Apps make Splunk immediately useful and relevant for typical tasks and roles via pre-built dashboards, reports, alerts and workflows, and in-depth data analysis. Add-ons are designed for onboarding data from common sources — automatically select, identify and tag fields and enrich data using other information sources.

For a list of some of the apps related to IoT, visit **IoT and Industrial Data** on Splunkbase.

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Learn more: www.splunk.com/asksales

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