Splunk Observability Dashboard Documentation

Monitoring Azure DevOps VM Deployment Pipelines

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# 1. Overview

This documentation explains the Splunk Observability dashboard designed to monitor Azure DevOps VM deployment pipelines. It helps track pipeline health, stage performance, and deployment efficiency using both real-time and post-deployment telemetry.

# 2. Objective

- Monitor each stage of the VM deployment pipelines.  
- Visualize pipeline execution performance.  
- Identify failed or slow-performing stages.  
- Ensure automation health across segments and environments.  
- Enable data-driven decisions for improvement.

# 3. Data Flow Architecture

Azure DevOps Pipelines  
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 [Telemetry Script]  
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Azure DevOps REST APIs  
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Extract pipeline run, stage, and task details  
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Push metrics and logs to:  
 → SignalFx Metrics API (for Splunk Observability)  
 → Splunk HEC (for event/log ingestion)  
 ▼  
Splunk Observability Dashboard