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HPE on Grafana 0 Introduction

Introduction

This document provides a technical overview and deployment guide for Grafana and Prometheus in HPE GreenLake environments with NVIDIA hardware.

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HPE on Grafana 0 Installation

Installation

The repo has many prometheus related charts. The chart we want is called "kube-prometheus-stack". This chart also includes sub-chart of grafana.

Add repo

helm repo add prometheus-community https://prometheus-community.github.io/helm-charts helm repo update

Install

helm install kube-prometheus-stack prometheus-community/kube-prometheus-stack --namespace monitoring --create-namespace

Helm Search Output

prometheus-community/alertmanager	1.24.0	v0.28.1	The
Alertmanager handles alerts sent by client			
prometheus-community/alertmanager-snmp-notifier	2.0.1	v2.0.0	The
SNMP Notifier handles alerts coming from Pr			
prometheus-community/jiralert	1.8.1	v1.3.0	Α
Helm chart for Kubernetes to install jiralert			
prometheus-community/kube-prometheus-stack	76.3.0	v0.84.1	kube-
prometheus-stack collects Kubernetes manif			
prometheus-community/kube-state-metrics	6.1.4	2.16.0	
Install kube-state-metrics to generate and expo			
prometheus-community/prom-label-proxy	0.15.0	v0.12.0	Α
proxy that enforces a given label in a given			
prometheus-community/prometheus	27.30.0	v3.5.0	
Prometheus is a monitoring system and time seri			
prometheus-community/prometheus-adapter	5.1.0	v0.12.0	Α
Helm chart for k8s prometheus adapter			

[!Note] Was trying to configure grafana to be NodePort but got confused for a long time why "show value" for chart don't show the grafana.service.type while the installed release shows. The "show value" only shows parent prometheus value while "get values" show the merged values after installation.

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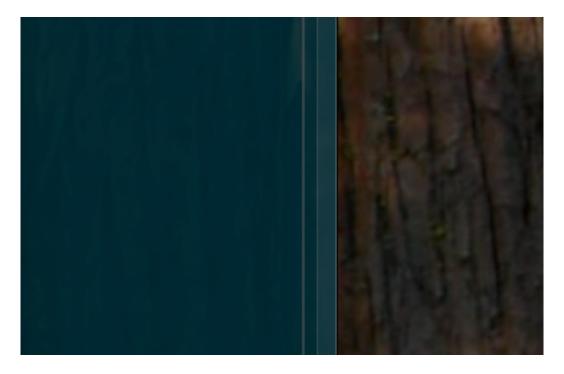


Figure 1: alt text

Continue to add sections as you curate your notes.

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