2023-02 - Nephio: Infrastructure Automation

Topic Leader(s)

- Sandeep Sharma
- Amar Kapadia

Topic Description

30 min, Sandeep Sharma

In this topic, we will go over Infrastructure orchestration and management by specifying simple intents using the Nephio platform.

Topic Overview

Nephio is an intent-driven cloud-native automation platform which can automate the Infrastructure, workload and day N configuration of the workloads.

In this topic, we will explore how Nephio can be used to perform the following,

- Create Kubernetes clusters in the cloud provider platform of your choice.
- Specify basic properties of the cluster like regions/zones, cluster size, etc., using high-level intent.
- Continuous reconciliation of the Infrastructure intent specified by the user.
- Preparation of the cluster for workload automation.

Slides & Recording

Infrastru...ephio.pdf

Nephio In...ation.mp4

Agenda

Awesome presentation

- Infrastructure automation using Nephio
- Cluster preparation for workload automation.