2023-02 - Nephio: Configuration Management

Topic Leader(s)

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Topic Description

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In this topic, we will explore how Nephio can address the day N configuration management of PNFs/CNFs.

Topic Overview

In this presentation we will go over the following,

- A controller(or multiple controllers) to serve declarative API for PNF configuration and management.
  - Controller will create PNF device CRs, which define the PNF, its properties and connectivity information.
- CRD definition for PNF configuration, this will be the PNF configuration intent.
- PNF configuration(data) management.
  - Vendor releases/updates configuration data, example yang models to the Nephio PNF catalog repo.
  - Continuous reconciliation of the configuration data in all the sites. Leverage the existing tools i.e porch, configSync etc.
- Support for different protocols i.e NETCONF, RESTCONF.
- PNF configuration discovery to support Plug and play of PNFs.

Slides & Recording

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