2022-01-12 - EMCO: Lessons in deploying free5GC in K8s clusters from EMCO

Topic Leader(s)

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Topic Description

60m

10:30am ET

EMCO is feature rich and we thought we can deploy free5GC in a very short time. But, it took us few weeks to make free5GC deployable on K8s clusters from EMCO. This session will describe the journey.

See Agenda herein for additional detail.

Topic Overview

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Slides & Recording

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Agenda

EMCO is feature rich and we thought we can deploy free5GC in a very short time. But, it took us few weeks to make free5GC deployable on K8s clusters from EMCO. This session will describe the journey. Journey included

- Creation of helm charts of all the CNFs.
- Setup and EMCO configuration (Onboard, Placement definitions, Generic Action intents etc..) to deploy free5GC
- Setup and EMCO configuration to deploy MEC application.
- Problems identified and fixed by EMCO team
- Problems identified and fixed by Akraino/ICN team
  - Nodus CNI fixes
  - SDEWAN fixes

- New enhancements for service discovery across clusters and how we have used ExternalDNS to automate the DNS entries in PowerDNS.

This session is also going to talk about some of the future items, mainly related to

- Cloud native way of configuring CNFs And Initiatives to realize cloud native configuration in both EMCO and Akraino/ICN projects.
- Workflow based network slicing orchestration

Minutes

Action Items

- ☐