2022-06-15 - ONAP: Automation of Intent-based Cloud Leased Line Service

Topic Leader(s)

- Dong Wang (China Telecom)
- Henry Yu (Huawei)
- Keguang He (CMCC)

Topic Description

120m, Dong Wang Keguang He Henry Yu

Demo of Intent-driven CCVPN usecase in R10, as well as Presenation of R11 roadmap and an academic review of Intent-based Networking.

Topic Overview

Host: Hesam Rahimi (in person)

0-10min - Topic1: Introduction of Intent-driven CCVPN usecase in R10, Dong Wang

10-40min - Topic2: Demo of Intent-driven CCVPN usecase in R10, Dong Wang Hesam Rahimi - Demo in China Telecom's Lab.

40-60min - Topic3: Roadmap of Intent-driven CCVPN usecase in R11, Hesam Rahimi

60-90min - Topic4: Support general intent model and general intent interface in ONAP, Keguang He

90-120min - Topic5: Academic Review of Intent-based Networking, Prof. Chungang Yang, Prof. Changle Li (Xidian University)

ref. A Survey on Intent-Driven Networks, IEEE Access, https://ieeexplore.ieee.org/document/8968429

A Brief Survey and Implementation on Refinement for Intent-Driven Networking, IEEE Network, https://ieeexplore.ieee.org/document/9687516

Agenda

- Topic1: Introduction of Intent-driven CCVPN usecase in R10, Dong Wang
- Topic2: Demo of Intent-driven CCVPN usecase in R10, Dong Wang Hesam Rahimi Demo in China Telecom's Lab.
- Topic3: Roadmap of Intent-driven CCVPN usecase in R11, Hesam Rahimi
- Topic4: Support general intent model and general intent interface in ONAP, Keguang He
- Topic5: Academic Review of Intent-based Networking, Prof. Chungang Yang, Prof. Changle Li (Xidian University)

Slides & Recording

Live Interactive Sessions:

Topic 1 and Topic 2: Introduction of Intent-driven CCVPN use-case in R10

ONAP - Automation of Intent-based Cloud Leased Line Service - Dong Wang.pdf



Topic 3: Roadmap of Intent-driven CCVPN use-case in R11

Roadmap of Intent-driven CCVPN usecase in R11 - Hesam Rahimi.pdf



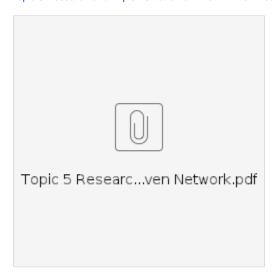
Topic 4: Support general intent model and general intent interface in ONAP

ONAP R11- general intent model and general intent interface requirements - Keguang.pdf



Topic 5: Academic Review of Intent-based Networking

Topic 5 Research and Implementation on Intent-Driven Network.pdf



Videos:

Part 1 (Topic 1, Topic 2 and Topic 3):

ONAP-CCVPN usecase-Automation of Intent-based Cloud Leased Line Service.mp4



Part 2: (Topic 4 and Topic 5):

ONAP-General intent model and general intent interface in ONAP and an Academic Overview of IBN.mp4



Minutes

- An introduction were given on how to offer Intent-Based Networking (IBN) using CCVPN use-case in ONAP
 A live demonstration (as Proof-of-Concept) of IBN using CCVPN use-case in ONAP was shown
- · A brief history of CCVPN evolution in ONAP was discussed, following by a roadmap of CCVPN use-case for Kohn release
- A presentation on Support general intent model and general intent interface in ONAP was given
 An academic review of Intent-based Networking was presented

Action Items

