

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 Presentation 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](#)



ONAP - Automat... 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](#)



Roadmap of Inte...esam Rahimi.pdf

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

[ONAP R11- general intent model and general intent interface requirements - Keguano.pdf](#)



ONAP R11- gener...s - Keguang.pdf

Topic 5: Academic Review of Intent-based Networking

[Topic 5 Research and Implementation on Intent-Driven Network.pdf](#)



Topic 5 Researc...ven Network.pdf

Videos:

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

[ONAP-CCVPN usecase-Automation of Intent-based Cloud Leased Line Service.mp4](#)



ONAP-CCVPN use...ne 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](#)



ONAP-General in...view 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

