ONAP Modeling/etsicatalog

Internship Projects/Mentors

Title	ONAP Modeling/etsicatalog
Status	COMPLETED
Difficulty	MEDIUM

Description

The Modeling/etsicatalog project provides VNF/PNF/NS package management service by Micro Service. It also includes a TOSCA parser service which provides generic parser service. As the unified run-time catalog, its VNF/PNF/NS package management interfaces align with SOL003/005 specification. Etsicatalog is a standalone web application based on Python3 and DJango framework.
Etsicatalog is going to support SDC Subscription/Notification functions in Guilin version. SDC is the most important design-time component of ONAP. The mentee will be required to make the technical research and take part in the development related this function under the guide of our team. Some work on Alignment with SOL specification for API is also required for the mentee. Besides, We will consider the support for CNF which is a stretch goal (need volunteeralignment with the CNF task force where applicable.

Additional Information

Get more detail information about the project, please refer to the wiki page: https://wiki.onap.org/display/DW/Etsicatalog+Documentation

Learning Objectives

- Have a comprehensive for the architecture of ONAP.
- Familiar with the development process and CICD of ONAP
- Take part in the design, development and test of Modeling/etsicatalog project

Expected Outcome

- Accomplish assigned development task.
- Related document and report.

Relation to LF Networking

The Modeling/etsicatalog belongs to Modeling project of ONAP.

Education Level

Postgraduate student is preferred.

Skills

- Familiarity with Python programming. Knowledge of DJango framework is appreciated.
- Proficient understanding of data structures, database, OOP.
- Basic understanding of one of the code versioning tools like Git.
- Strong written and verbal communication and interpersonal skills in English.

Future plans

Continue development.

Preferred Hours and Length of Internship

Prefer to Part-Time Intern: 20 hours per week for 24 consecutive weeks.
Full-Time Intern is also welcomed.

Mentor(s) Names and Contact Info

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Mentee

Zihao Chen

Project Results

SDC Sub/Notification

Lightening Talk Recording

LF Netwo...alog.mp4

Final Report

Zihao Chen LF Ne...Presentation.pdf