

ONAP Security Requirements - SDC

Internship Projects/Mentors

Title	ONAP Security Requirements - SDC
Status	COMPLETED
Difficulty	MEDIUM

Description

SDC is the ONAP visual modeling and design tool. It creates internal metadata that describes assets used by all ONAP components, both at design time and run time.

The SDC manages the content of a catalog, and logical assemblies of selected catalog items --as needed-- to completely define how and when VNFs are realized in a target environment. A complete virtual assembly of specific catalog items, together with selected workflows and instance configuration data, completely defines how the deployment, activation, and life-cycle management of VNFs are accomplished. Selected sub-assemblies may also be represented in the catalog and may be combined with other catalog items, including other sub-assemblies.

ONAP has adopted the CII (Core Infrastructure Initiative) Badge Program.

This project will focus to address the remaining Security requirements defined by the ONAP SECCOM Community based on JIRA Backlog.

The prioritization of the activities will be discussed with the mentee based on his/her skillset and expectations.

Additional Information

Get more detail information about the project, please refer to the following link:

CII Bading: <https://wiki.onap.org/display/DW/CII+Badging+Program>

ONAP Jira: <https://jira.onap.org>

SDC Architecture: <https://wiki.onap.org/pages/viewpage.action?pageId=1015837>

SDC: <https://wiki.onap.org/pages/viewpage.action?pageId=6592847>

SDC Code: <https://gerrit.onap.org/r/#/admin/projects/sdc>

SDC JIRA Query status != Closed AND status != Done AND project = SDC

Learning Objectives

- Have a comprehensive understanding of SDC project
- Familiar with the development process and CICD of ONAP
- Take part in the development and test of SDC project
- Take an active role as Security contributor for SDC project

Expected Outcome

- Accomplish assigned development and test tasks.
- Related document and report.

Relation to LF Networking

ONAP

Education Level

- Bachelor's and/or Master's degree in Computer Science, software Engineering or related technical discipline

Skills

- Familiar with Java, jS and/or Python programming.
- Basic understanding of one of the code versioning tools like Git.
- Strong written and verbal communication and interpersonal skills in English.

Future plans

The development activities will be part of the next ONAP Release and can serve as implementation best practices for other ONAP projects

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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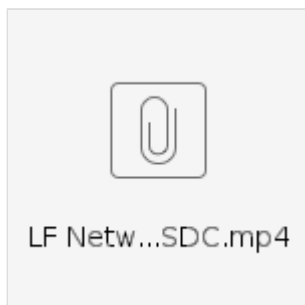
Mentee

[Amir Mohamad](#)

Project Results

Deliverable	Link	Status	Description
Code	log4j	merged	Upgrade from the vulnerable log4j 1.x to log4j 2.13.1
Code	jackson	merged	Upgrade from jackson-databind 1.9 and 2.10 to 2.11
Code	many	merged	Upgrade Netty-all 4.1.36.final to 4.1.48.final Upgrade toggiz-console 2.4.1.final to 2.6.1.final Upgrade commons-beanutils 1.9.3 to 1.9.4 Upgrade testng 6.x to 7.2.0
Code	snakeyaml	WIP	upgrade snakeyaml 1.14,1.17, 1.18, and 1.21 to 1.26

Lightening Talk Recording



Final Report



LF Networking M...mir_Mohamad.pdf