

NEMO: Beryllium: Release Review

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Project Name

- NNetwork MOdeling(NEMO)

Features

- odl nemo rest provides an abstracted intent model whose target is to enable network users/applications to describe their intent in an intuitive way without caring about the underlying physical network.
- nemo engine is the core module of NEMO project, which releases the mapping from intent to physical network. It includes two import process: intent-virtual network(VN) and virtual network-physical network(PN).
- openflow renderer is a southbound render to translate the mapping result of VN-PN to flow table in devices supporting for openflow protocol.
- cli render is also a southbound render to translate the mapping result of VN-PN into forwarding table in devices supporting for traditional protocol.
- nemo engine ui is responsible for showing the status of physical network, intent, generated virtual network and mapping result of VN-PN, which facilitate users to understand better the intent handling process if they want to.

Non-Code Aspects (user docs, examples, tutorials, articles)

- [Release Note](#)
- [Installation Guide](#)
- [User Guide](#)
- [Developer Guide](#)

Architectural Issues

- There are no architectural issues.

Security Considerations

- There are no security issues found.

Quality Assurance (test coverage, etc)

Test Coverage

- [Unit Test](#): 42.8% (Sonar data does not update frequently, the coverage may be higher)
- [Manual Test](#): External System Test is done manually, since the sandbox environment could not satisfy NEMO's requirement.(Will migrate in boron)

CSIT

- <https://jenkins.opendaylight.org/releng/view/nemo/job/nemo-csit-1node-engine-all-beryllium/>
- <https://jenkins.opendaylight.org/releng/view/nemo/job/nemo-csit-1node-engine-only-beryllium/>

End-of-life (API/Features EOLed in Release)

- N/A

Bugzilla (summary of bug situation)

- [Bug 4995](#): Sandbox is breaking the autorelease. The bug has been fixed in <https://git.opendaylight.org/gerri/#/c/34051/>.

Standards (summary of standard compliance)

- N/A

Schedule (initial schedule and changes over the release cycle)

- Project was on schedule.