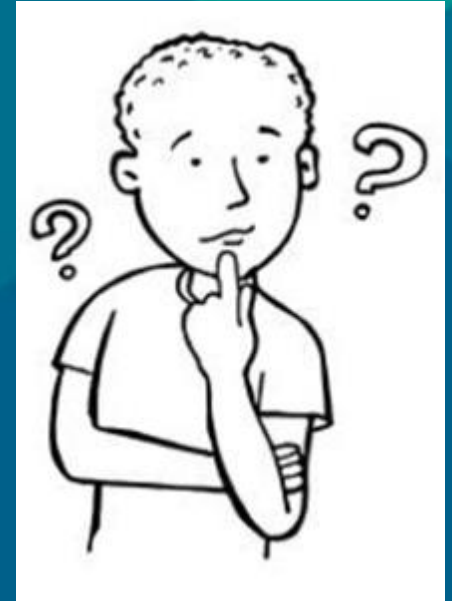


# ONAP for the newbies: feedbacks and proposals for Beijing

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February, 8 2018



# ONAP for the newbies

- First feedbacks from
  - Orange internal
  - Eco-system local actors
  - Hackathon organization discussion
- Various newbies
  - Developers who develop/improve components
  - VNF Vendor who need to on-board VNF
  - Service designers who need to compose complex Services from Resources
  - Testers/Approvers who need to test and certify Resources and Services
  - Administrators who create user accounts, assign roles, and install applications within ONAP
  - System and network administrators who need to instantiate, manage, and monitor Resources, Services, and Products on an existing ONAP system
  - Research teams



# How they start ?

- Test: where to find the documentation
  - First reflex: use search engine
- Get the installation guide:
  - [ONAP Installation in Vanilla OpenStack - Developer Wiki - Confluence](#)
  - [Setting Up ONAP - Developer Wiki – Confluence](#)
  - [Setting Up Full ONAP — master branch ...](#)

# Documentation for users

- **Videos**

- [Youtube](#)

- **White papers**

- [Architecture Overview](#)
- [vCPE Use Case Whitepaper](#)
- [VoLTE Use Case Whitepaper](#)








- **Readthedoc** <http://onap.readthedocs.io/en/latest/guides/onap-user/index.html>

- [VNF Provider Guidelines and Requirements](#)
- [Service Designer](#)
- [Service Administrator](#)
- [User Portal](#)
- Mainly written in silo mode,

- **Wiki very rich, but not cleaned**

- **[Using ONAP](#)**
  - [ONAP Portal](#)
  - [Design](#)
  - [Deploy](#)
  - [Operate](#)
  - [Application overviews](#)

- **[Running the ONAP Demos](#)**

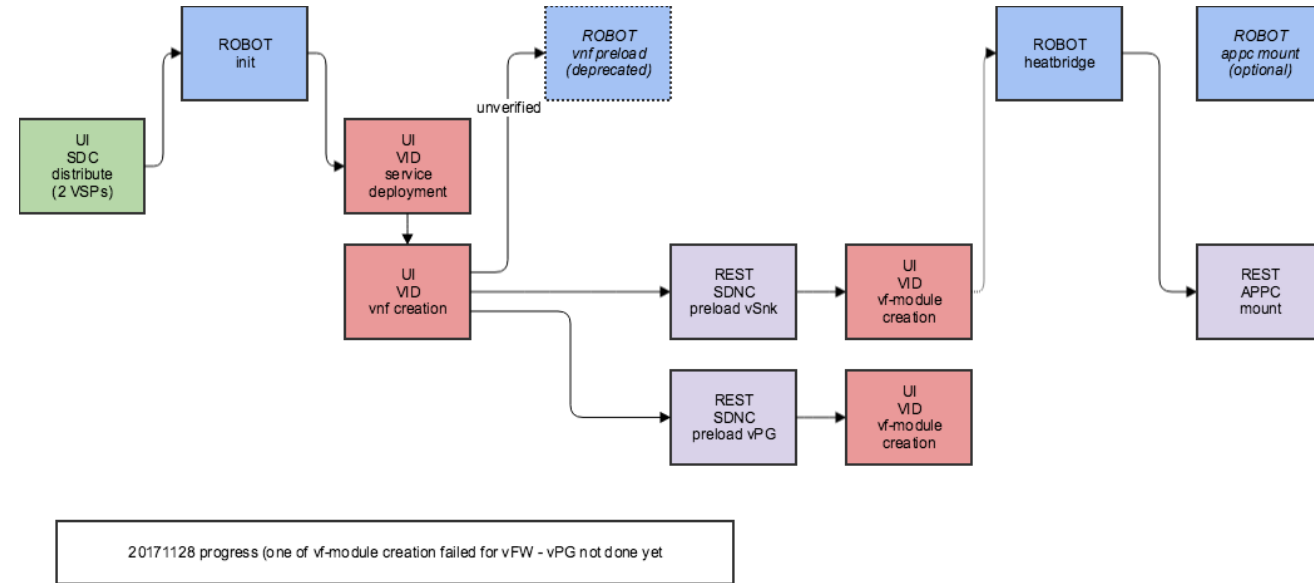
-  **ONAP Architecture Overview (Amsterdam release)**  
ONAP Project  
4:18
-  **ONAP - Portal intro**  
ONAP Project  
3:27
-  **ONAP Service Design intro**  
ONAP Project  
3:33
-  **Service Orchestrator intro**  
ONAP Project  
6:15
-  **ONAP A&AI overview**  
ONAP Project  
5:41
-  **Virtual Infrastructure Deployment in ONAP**  
ONAP Project  
2:35
-  **ONAP External System Registry intro**  
ONAP Project  
3:20

# How to play with ONAP ?

- Full official installation requires huge footprint
  - VM based installation using Heat template
  -
- Optimized installation using ONAP Operations Manager
  - Docker based installation using Kubernetes
- Possible to set up some components
- Not (yet) available ONAP as a Service solution

# Use-case tutorial

- Step-by-step with no detailed explanation
- Confusion on the various roles for design phase
- Robot usage to perform some tasks
  - Requires to connect to the VM
- VIM configuration



# Design phase

- Globally UI quite intuitive
- A lot of pre-defined objects with no documentation
- No way to clean the “tested” models
- No “high-level” description for
  - Directed Graphs in SDNC, APPC
  - BPMN workflow

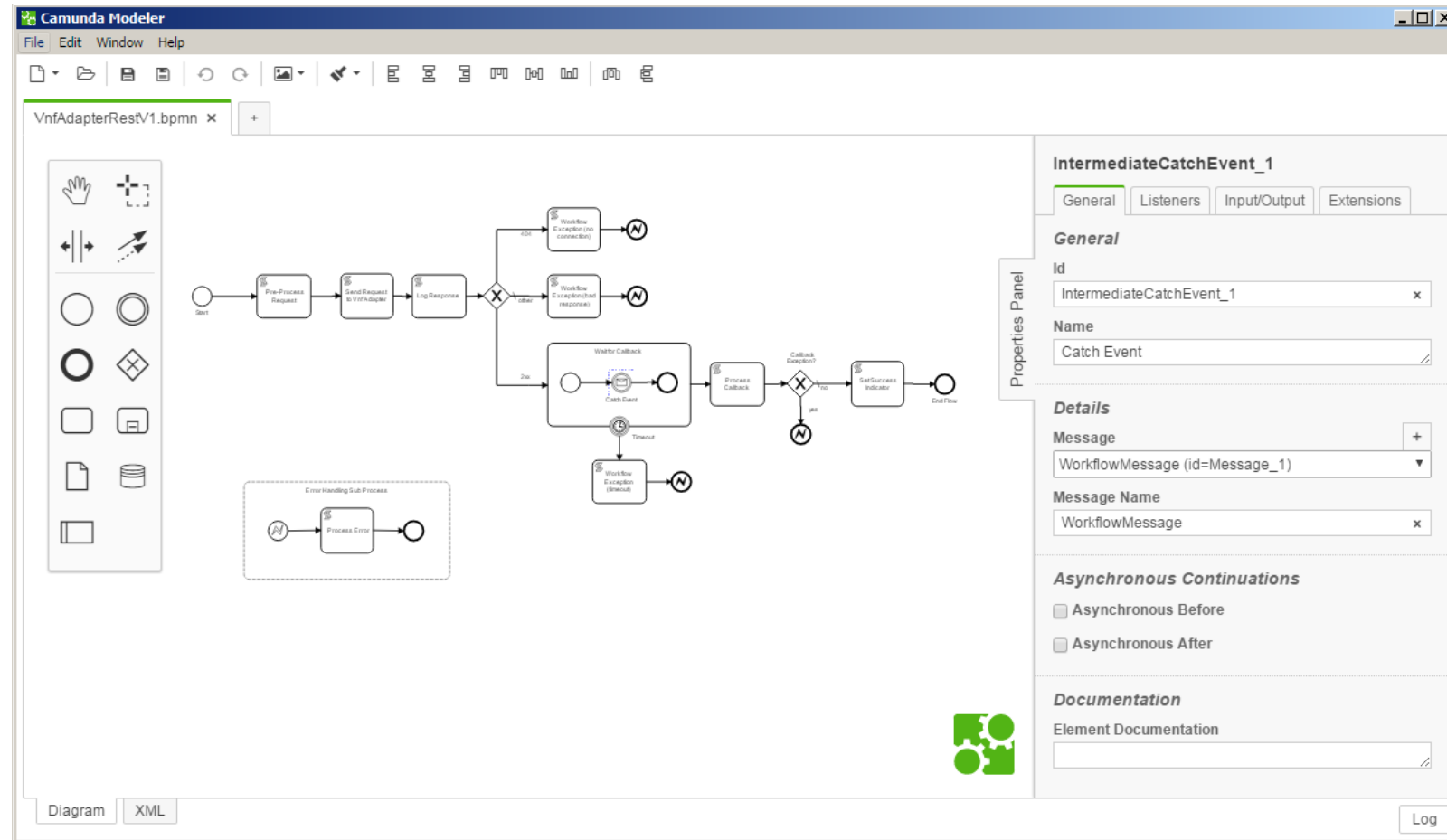
# General comments on Amsterdam

- Various use cases to illustrate ONAP capabilities
- Many code / rule for the use-case implementation
  - Not always documented
  - May require some reverse-engineering
- Default configuration
  - Not always documented
- Modeling concepts to be aligned
  - Naming may vary (eg Virtual Functions)



# The guidelines for modeling/workflows

- Directed Graph
  - Tutorial ok
- SO workflow:
  - Camunda Modeler
- Policy rules
  - Ok for standalone
- Closed loop



# Documentation project working: ONAP for Newcomers

- **"Welcome to ONAP" Flows and Text**

- Convert existing component level diagrams to high level flows and text. Include high level Architecture, as well as as typical use cases such as: VNF Onboarding, Fault management, and Capacity management.

- **ONAP "Light" for SEs, Architects**

- ONAP "Light" version (non-coding) targeted for SEs, architects on how to use the platform. Install ONAP on their local cloud environment
- Run Health Check. Run three Use cases: vFW, vDNS, vCPE
- Documentation - Put each step into context, both what and why

- **"Sandbox"**

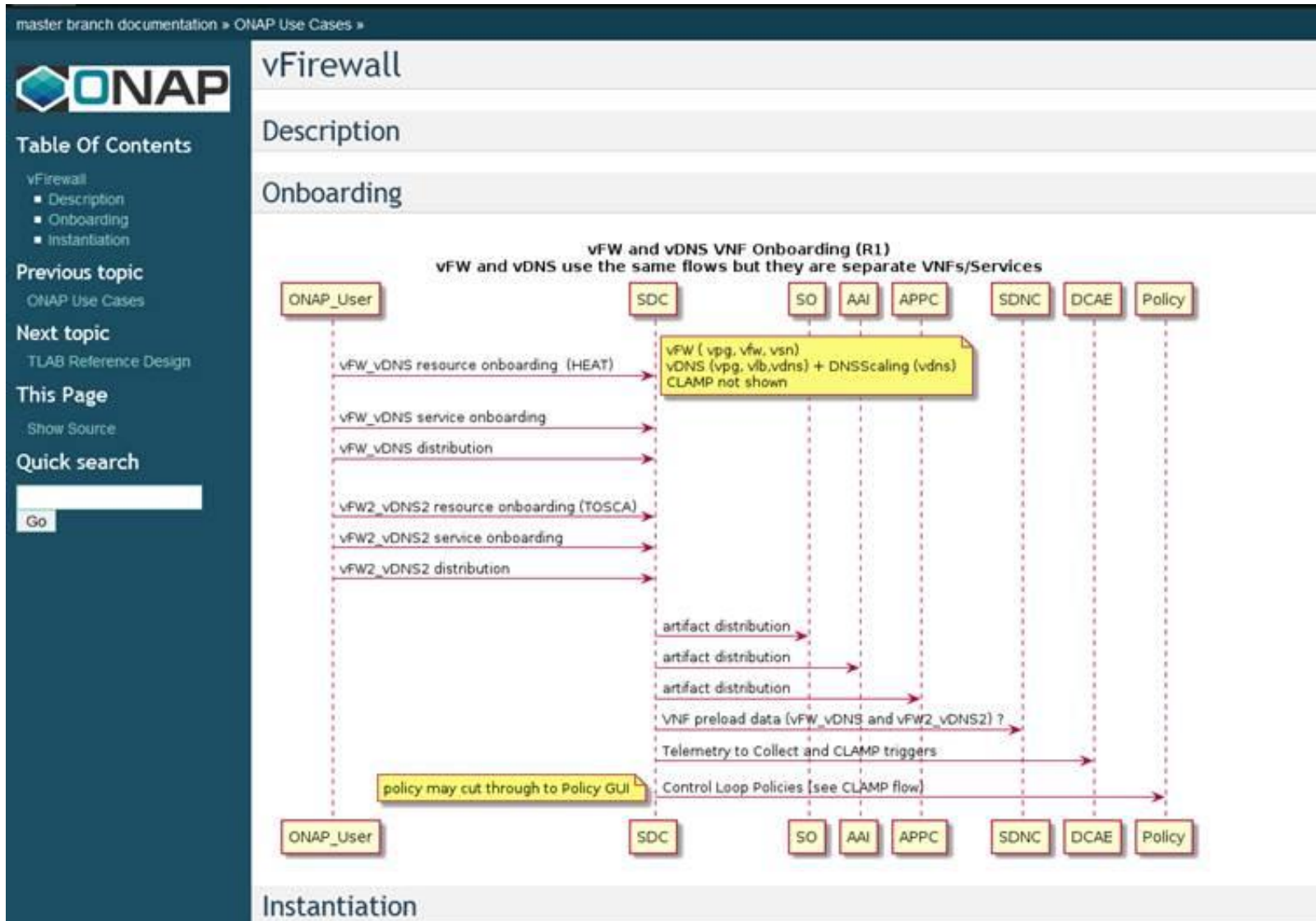
- "Sandbox" for developers to actually interact with the code. Install on laptops, pre-configured environment
- Allow for coding, build and compile
- Default IDEs
- Does not impact live Master Branch
- Available for hackathon
- Documentation; Need tutorial materials (videos, text, flows?)

<https://wiki.onap.org/display/DW/Beijing+%28Release+2%29+Doc+Work+Plan>

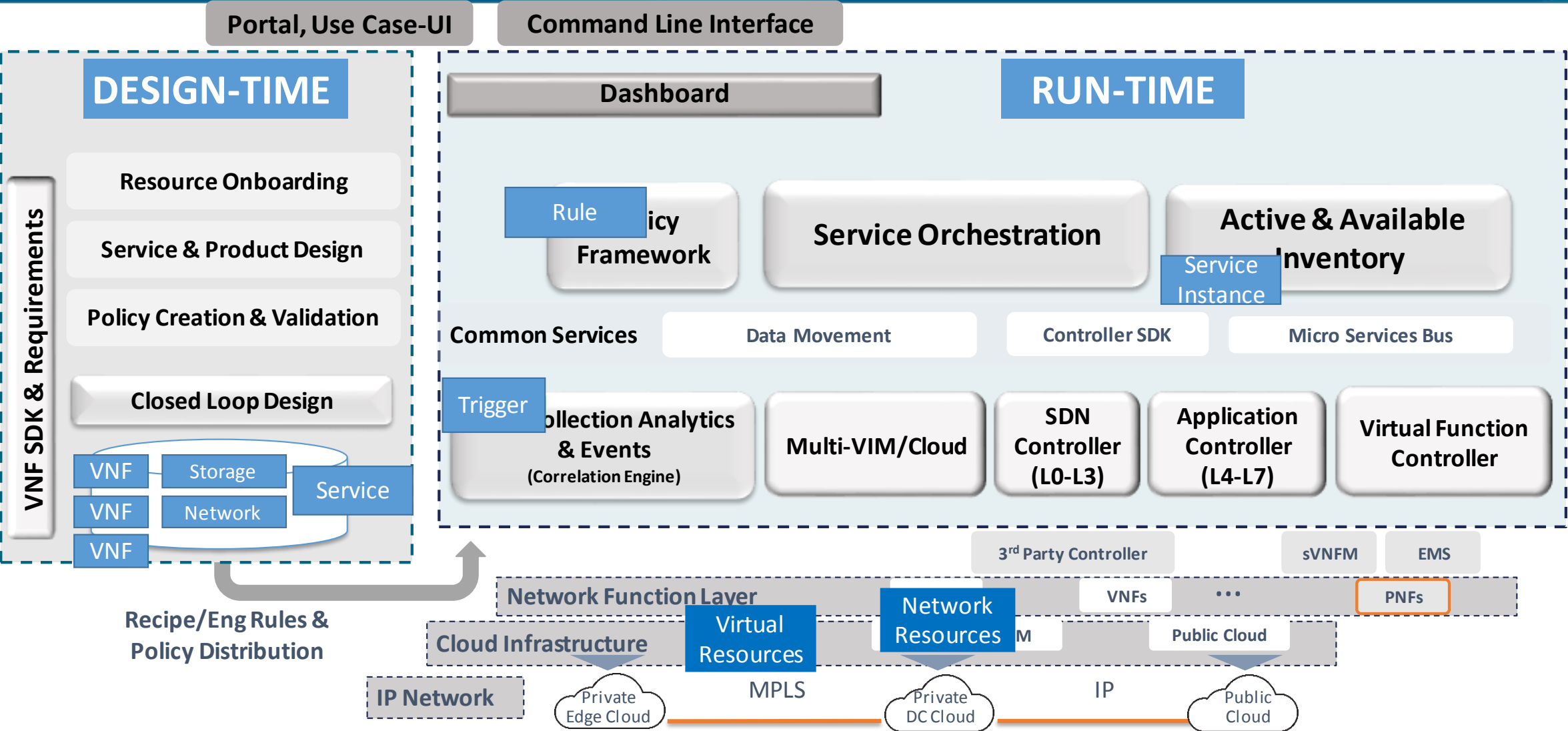
# Proposals

- Use-case documentation
  - High-Level call flows
  - Detailed call flows
  - Harmonized documentation for use-cases
  
- Use-case tutorial
  - Do not mix UI & scripts => develop some UI for the test
  - Simplify with predefined License Model
  - Create specific user to enable all roles

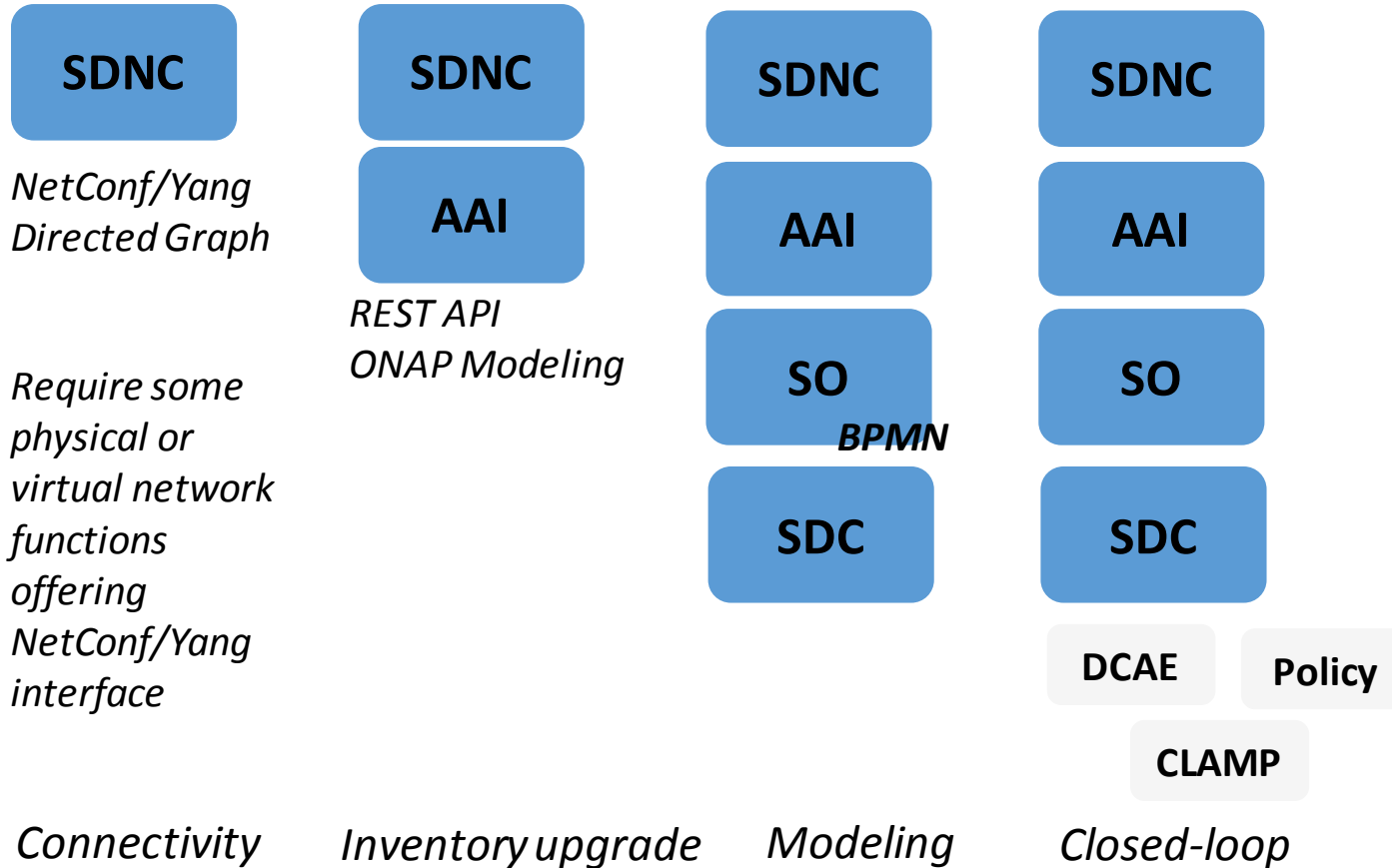
# Call flow using plantUML



# High-level animated call flow ?



# A proposed learning curve for connectivity services



# Need community help to reach S3P

- S3P: Scale, Stability, Security and Performance
- Documentation is key to reach ONAP usability
- More documentation required for every component
  - Default configuration
  - More example
- More focus on end to end documentation
  - Call flows
  - Explanation
- Training/University efforts should be prioritized

MERCI ;-)