ONAP Project Proposal Training

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What is a project

A project is:

- **long term endeavor** setup to deliver features **across multiple releases**
- Single entity solely responsible for 1+ repos
- Defined scope
- Led by PTL and committers with expertise in the relevant areas

A project is not:

- Release plan
- Collection of unrelated items
- Broadly scoped without clear rationale
- Existing without repo(s)
- Single-release vehicle
- Scoped so broadly to require committers with different expertise

https://wiki.onap.org/display/DW/Project+Proposal+Template

Project Name:

- Proposed name for the project: `projectname`
- Proposed name for the repository: `reponame`

Project description:

- Provide high level description of intended project and intended use case(s) and benefit, if needed.

Scope:

- Describe the functionality to be provided by the project. Please provide the full intended scope of the project; not just what is intended for the project's first release.
- Specify any interface/API specification proposed,
- Identity a list of features and functionality will be developed.
- Identify what is in or out of scope. During the development phase, it helps reduce discussion.

Architecture Alignment:

- How does this project fit into the rest of the ONAP Architecture?
  - Please Include architecture diagram if possible
  - What other ONAP projects does this project depend on?
- How does this align with external standards/specifications?
  - APIs/Interfaces
  - Information/data models
- Are there dependencies with other open source projects?
  - APIs/Interfaces
  - Integration Testing
  - etc.

Resources:

- Primary Contact Person
- Names, gerrit IDs, and company affiliations of the committers
- Names and affiliations of any other contributors
- Project Roles (include RACI chart, if applicable)

Other Information:

- link to seed code (if applicable)
- Vendor Neutral
  - if the proposal is coming from an existing proprietary codebase, have you ensured that all proprietary trademarks, logos, product names, etc., have been removed?
- Meets Board policy (including IPR)

Use the above information to create a key project facts section on your project page

Key Project Facts

Project Name:

- JIRA project name:
- JIRA project prefix:

Repo name:
Lifecycle State:
Primary Contact:
Project Lead:
mailing list tag [Should match Jira Project Prefix]
Committers:
foo@bar.com
baz@qux.com
*Link to TSC approval:
Link to approval of additional submitters:

Six Questions

- Project proposals should answer six questions:

Who?	Will be doing the work
What?	Do you propose
When?	Will you deliver (plan)
Where?	Will you put deliverables
Why?	Should we do this
How?	Does this fit with the architecture

Best Practices for successful proposal

- In order to ensure openness, new project proposals should include at least 3-4 organizations, including at least one operator (prefer more)
- Circulate draft proposals among the community to obtain feedback before presenting on a TSC call
  - Post proposal draft on the wiki under “Proposed Projects” section at least two weeks in advance
  - Send email to tsc@lists.onap.org
  - Contact potentially interested people directly – email/phone calls/Slack/etc.
- The TSC will give preference to project proposals that are based on the existing functionality (vs. replacing such functionality with a new proposal)
- All code contributions must be scanned by the appropriate FOSSology, Black Duck, Sonotype open source audit tools to ensure the code is truly open source

Proposal template

- Can either be entered on the wiki or ppt
- Wiki usually preferred, but ppt may be needed during face-to-face meetings
- If you make changes during the proposal process, make sure you put the latest version on the wiki

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Overview

- Project Name
- Repository name
- Project Description
  - What is this project trying to addres
- Project Scope
  - Describe problem being solve
  - APIs/interfaces
  - Testing and integration plans
  - Features and functionality

- What is the problem?
- Why can't it be solved in existing projects?
- How do you propose we solve it?

Architecture Alignment

- How does this project fit with the ONAP architecture?
  - Include architecture diagram
  - Mention other projects that this affects
- How does this fit with external standards/spe
  - APIs/interfaces
  - Information/data models
- Are there dependencies with other open source networ
  - APIs/interfaces
  - Integration testing
  - Etc

•How does your proposal fit with the ***existing*** ONAP architecture?

•If you think the architecture needs to change, bring it up on an ARC call ***before*** you propose a new project

•Suggesting architecture changes in a project proposal will slow down the approval process

Resources

- Contact person
- Developers/contributors
  - List developers, company, and
- Initial Committers
  - List committers, company, cor
  - Note that committers have spe part of the project governanc
  - Generally limit to 3-5, and companies
- Project roles (optional)

•Who has signed up to work on your project? List developer names and affiliation

•DO NOT list “proposed partners” This page is for listing commitments. Project lead should talk to people before making a proposal and only add them if they agree.

•Usually, the PTL is the spokesperson for the project, scrum master, recruiter, etc. If you want to reassign roles, let us know so we know who to contact.

Release Plan

- Describe plan for current releas
  - Is this a current release proje later release?
  - Minimum viable product
  - Stretch goals
  - Milestones
  - Identified gaps
- Describe your longer-term road

- When will you be able to deliver? It's OK if you only want to be included in a future release
- What will you commit to deliver?
- What will you add if you have extra time?
- What won't you deliver in the current release (but realize will be needed)?
- What will you deliver in a future release? This should be a general statement about scope

Other information

- Link to seed code (if applicable)
- Vendor Neutral
  - If this proposal is coming from an ex
    codebase, have you ensured that all
    trademarks, logos, product names, e
    removed?
- Meets Governing Board policies (inclu

Include for completeness:
• Link to seed code if you are contributing any
• Statement that you have reviewed your seed code and removed company logos/trademarks/ec.
• Statement that you will follow GB policy

Key Facts

- Project name:
  - Jira project name:
  - Jira project prefix:
- Repo name:
- Lifecycle state:
- Primary contact:
- Project lead:
- Mailing list tag:
- Developers:
  - a@b.com
- Committers:
  - foo@bar.com
  - baz@qux.com

•This should be a summary of information provided earlier

•After approval, make sure this information is on your wiki page so that we can set up your development environment

Things to avoid

- Changing the architecture in the project proposal
  - Architecture changes should be discussed in the ARC before the new project is proposed
- Duplicating, moving, or changing functionality in existing projects
  - Unless you have support from the existing project team
  - Or the component was designed to be modular and you are adding a driver
- Listing companies as “proposed contributors”
  - Only add people who have agreed to support your project
  - Talk to people from different companies in advance
  - If other people want to sign up after your proposal, you can add them later

What TSC voters are considering

- Is your project addressing a real problem?
- How does this affect other projects?
- Does this advance our architecture?
- How does this fit with the release?
  - Does it increase our risk of delivering on time?
  - Does it support the use case?
  - Do you have enough resources?
  - Are they new, or are you drawing from other projects?
- Will this project make ONAP more attractive to service providers?
- Is this interesting to more than one company?
  - The more we can involve other developers, the better
  - Interest from multiple companies also suggests better market acceptance

Example

Example - Overview

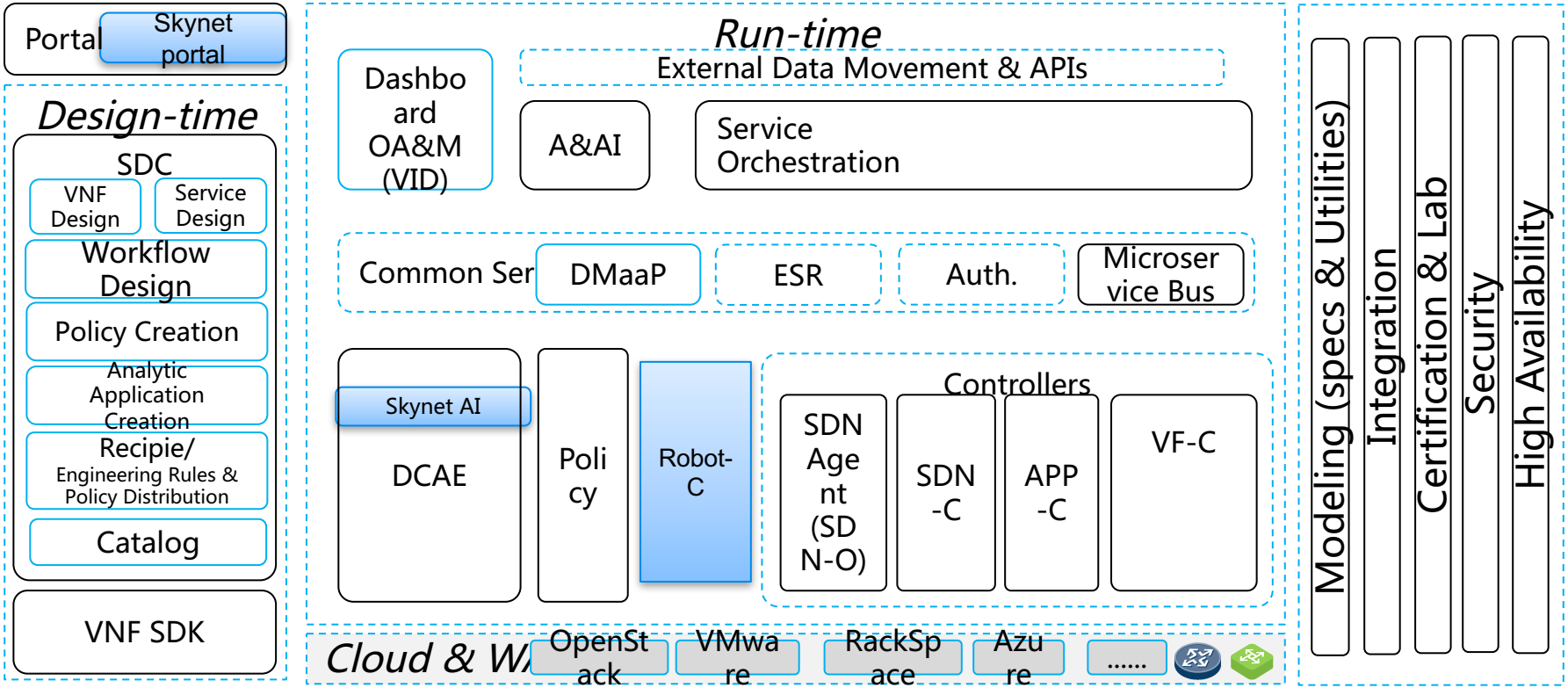
- Project Name: Skynet
- Repository name: skynet
- Project Description
  - More that 50% of trouble tickets are caused by human error
  - This project aims to reduce trouble tickets through neural net-based AI
  - Skynet also implements active countermeasures to prevent human-caused errors
- Project Scope
  - Reduce network errors and trouble tickets through AI and robotics
  - APIs/interfaces: SBI (interfaces to SO NBI); openrobot driver
  - Testing and integration plans
    - 50% unit test goal by M4; developing CSIT tests for integration lab
  - Features and functionality
    - AI-based autonomic networking (analytics, closed-loop error correction)
    - Active error countermeasures

Example - Architecture Alignment

- How does this project fit with the ONAP architecture?
  - Skynet extends the UI, provides a common AI service, and adds a robot controller interface
  - See next slide
- How does this fit with external standards/specifications?
  - Consumes and extends self-awareness protocol specification

- Are there dependencies with other open source networking projects?
  - Uses PNDA analytics framework
  - Aligns with openrobot project 800- and 1000-series robots

Example – ONAP Architecture Alignment



Example - Resources

- Contact person: John Connor

- Initial Committers
  - John Connor (jconnor@t2.com)
  - Miles Dyson (miles@cyberdyne.com)
  - Thomas Anderson (thomasaa@neo.org)
- New developers, not working on other ONAP projects

Example - Release Plan

- First release
  - Develop MVP skynet interface to SO to provide CRUD functions
  - Add AI platform to detect human-caused errors
  - Interface to T-800 robots for error prevention efforts
- Longer-term roadmap
  - Support T-1000 robots
  - Multisite and operator-operator interfaces

Example - Other information

- Link to seed code (if applicable)
  - N/A
- Vendor Neutral
  - This project is vendor-neutral and does not contain code from any commercial product
- Meets Board policy (including IPR)
  - Yes

Example - Key Facts

- Project name: Skynet
  - Jira project name: skynet
  - Jira project prefix: skynet
- Repo name: skynet
- Lifecycle state: incubation
- Primary contact: John Connor
- Project lead: John Connor
- Mailing list tag: skynet
- Committers:
  - jconnor@t2.com
  - miles@cyberdyne.com
  - thomasaa@neo.org