



ONAP
OPEN NETWORK AUTOMATION PLATFORM

ONAP Run-time Catalog Project Proposal

November 17, 2017

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Problem Resolved

- ❖ Design time catalog and the Run-Time catalog are independent management. Design time can operate the packages or files, and info the Run-Time components. In the Run-Time catalog also should support to manage the catalog in a unified way.
- ❖ Lack of unified catalog management in the Run-Time.
 - In Run-Time, there exists template and recipes, workflows of different levels such as service/NS/resources in different components(SO, VFC, SDNC, APPC, Policy, ...).
 - AAI supports SDC TOPO Schema, SO supports synchronization data with SDC, other component almost same with SO. Almost all do not support the independent Run-Time catalog management.
- ❖ Further more, the Run-Time catalog will also consider the unified models API based on the design template to all Run-Time components, reducing the complex and repeatable parser work.

Project Description

Project Name:

- Proposed name for the project: ONAP Runtime Catalog
- Proposed name for the repository: RT-Catalog

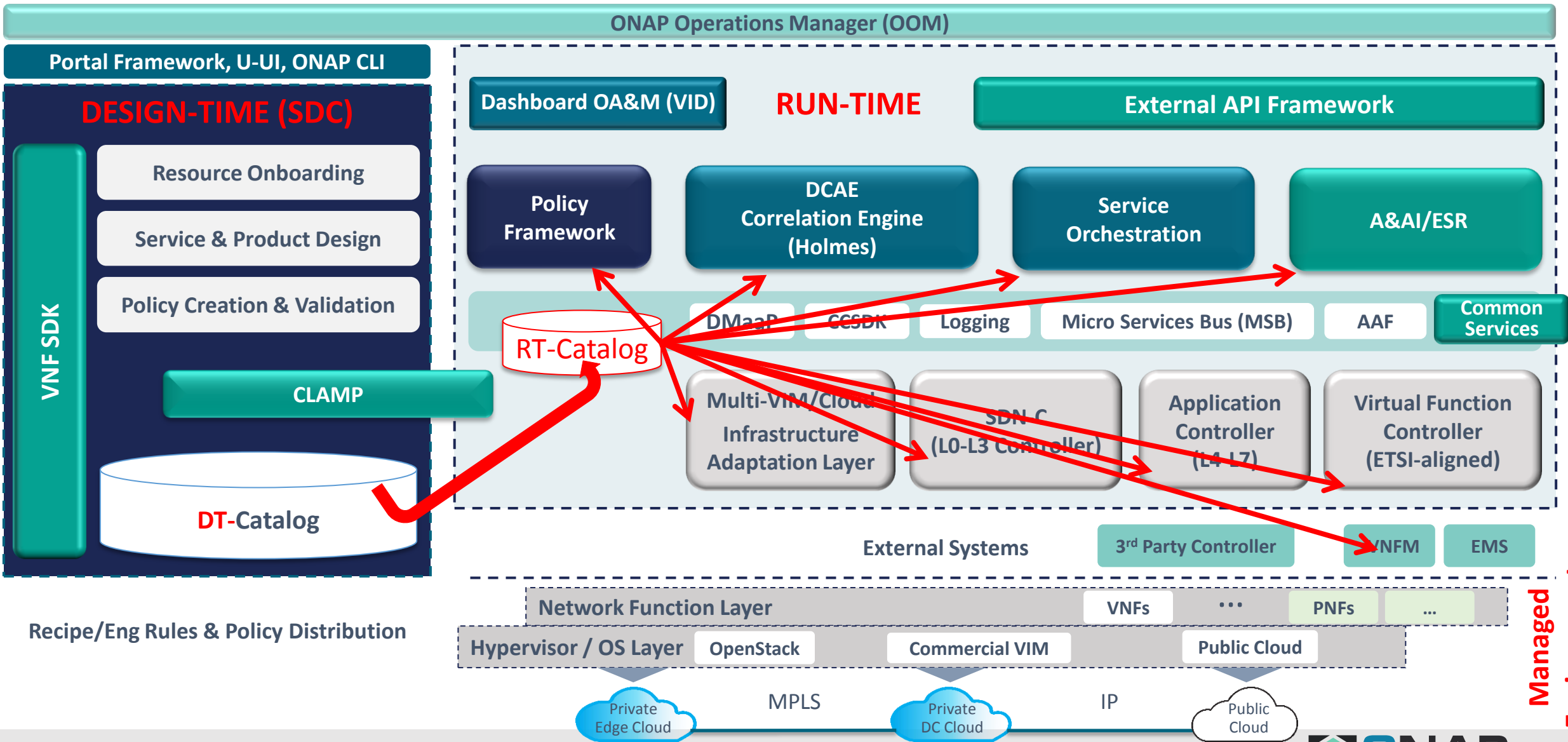
Project Description:

- The ONAP RT-Catalog project aims to provide unified catalog management in ONAP runtime environment, including service, service component, and resource levels.

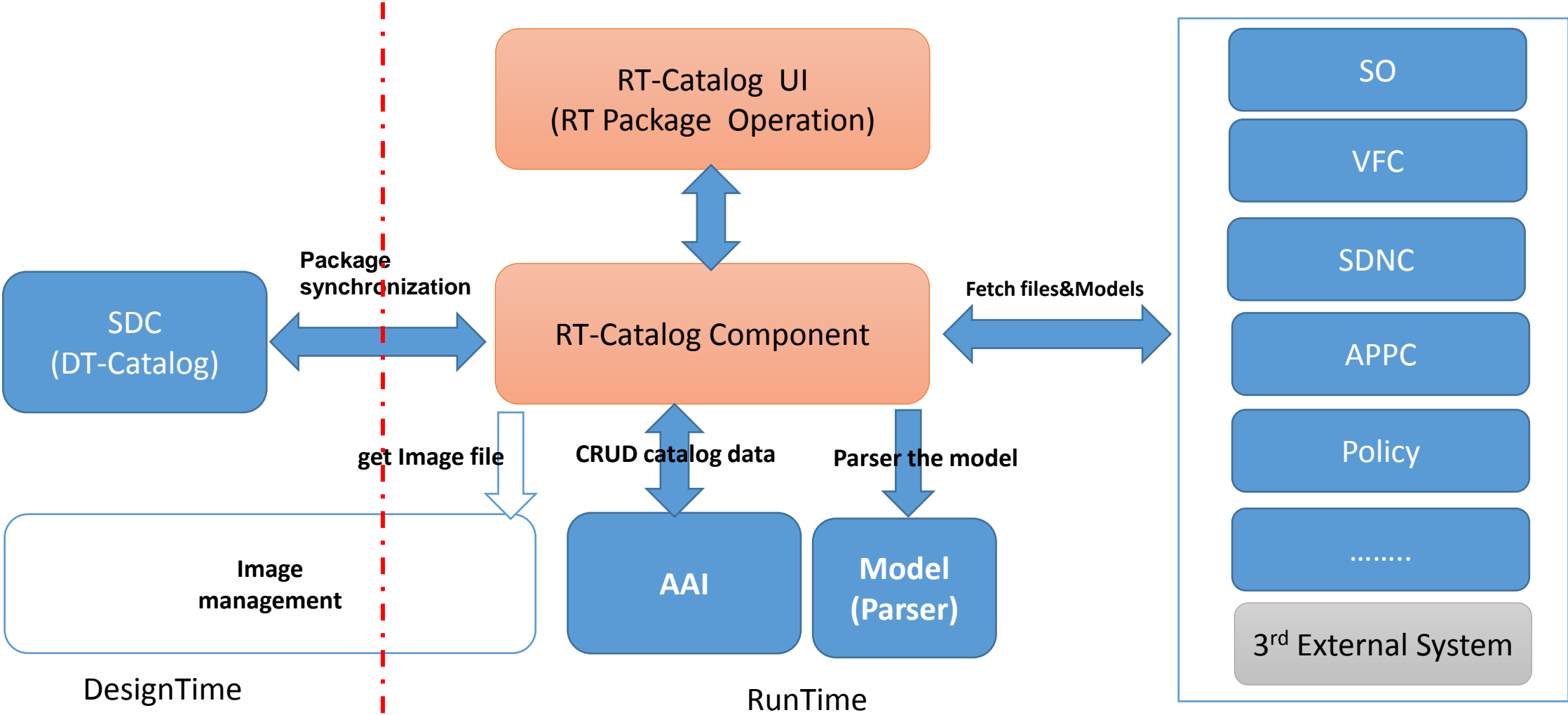
Project Scope

- **Levels:**
 - **Service level:**
Service catalog (templates, workflow, recipes,)
 - **Service Component level:**
NS catalog (templates, workflow, recipes,), WAN catalog (templates, workflow,.....)
 - **Resource level:**
VNF catalog(VNF image, templates, scripts, recipes,.....), PNF catalog(.....)
- **Functions:**
 - Provide all levels catalog management, including synchronization, on-boarding, enable, disable, update, delete catalog item in the runtime, etc.
 - Provide the catalog status management in the runtime, such as IN_USE, NOT_IN_USE, ENABLED, DISABLED, etc
 - Provide the API to fetch the packages or files in the catalog, including the external system, and inner components
 - Provide the API to consume the descriptor parser result, reducing the package download time consuming between the different components.

High level architecture diagram alignment



RT-Catalog Architecture



Resources

Role	Name	Gerrit ID	Company	Email	TimeZone
Primary Contact	Maopeng Zhang		ZTE	Zhang.maopeng1@zte.com.cn	Beijing, China. UTC +8
Committers	Yingyunlong Zhanjie Fengyuanxing Luji		ZTE		Beijing, China. UTC +8
			CMCC		
Contributors					Beijing, China. UTC +8

Key Project Facts

Project Name:

- JIRA project name: ONAP RT Catalog
- JIRA project prefix: RTCatalog

Repo name: RTCatalog

Lifecycle State: incubation

Primary Contact: Maopeng Zhang(Zhang.maopeng1@zte.com.cn)

Project Lead: TBD

mailing list tag

Committers:

Please refer to the table above.

*Link to TSC approval:

Link to approval of additional submitters:



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Thanks

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