

ARC Usecase-UI Component Description – Montreal-R13

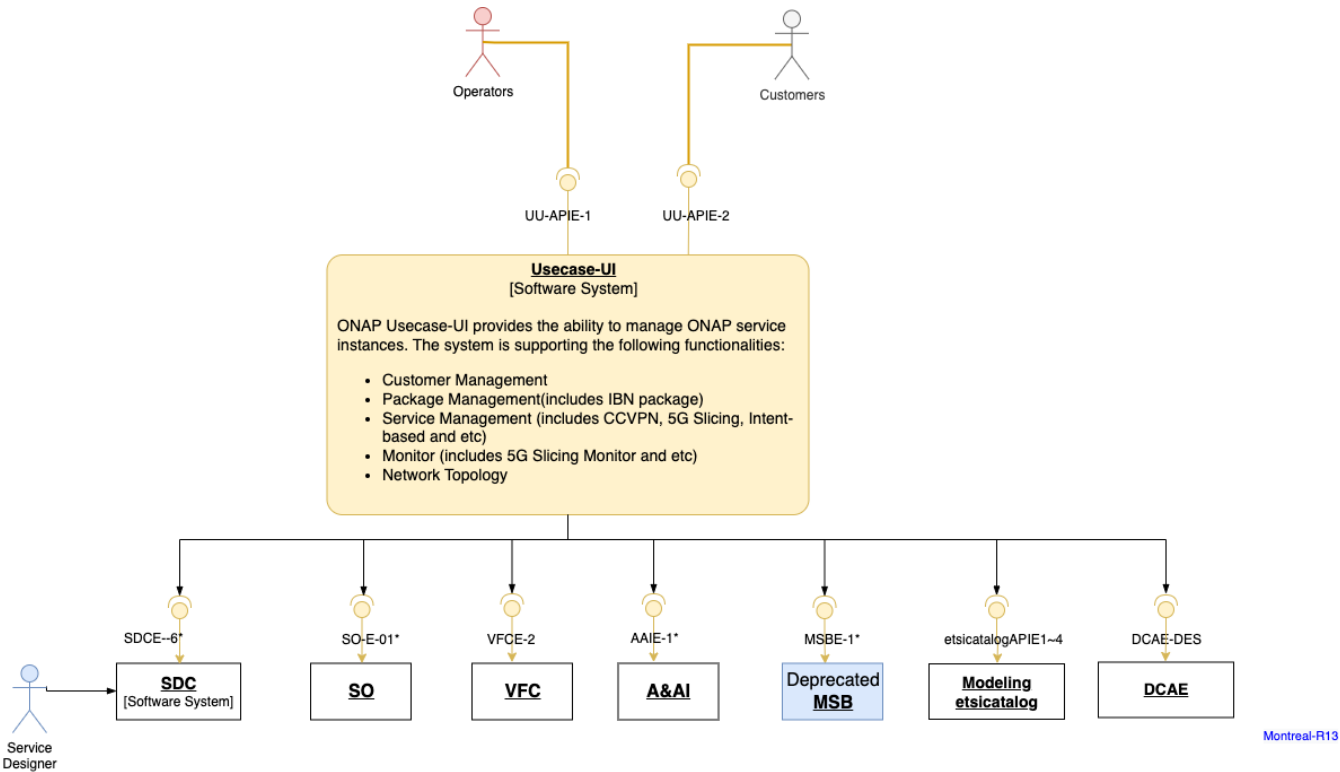
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1. High Level Component Definition and Architectural Relationships



- Usecase-UI is an application portal which provides the ability to manage ONAP service instances.
- Usecase-UI allows customers to create/delete/update service instances, as well as to monitor the alarm and performance of these instances.

2. API definitions

Usecase-UI provides the following interfaces(Since Usecase-UI doesn't offer APIs, we just provide the architecture of the two portal):

	Interface Definition	Interface Capabilities	API Spec (Swagger)
UU-APIE-1	Operator Portal	User interface for operators: • Customer management • Package management (including NS, VNF, PNF and IBN) • Service lifecycle management for use cases (including CCVPN, SOTN, 5G slicing, Intent-based and so on) • Monitor • Network topology management	usecase-UI architecture
UU-APIE-2	Customer Portal	User interface for customer: • Service order • Service management • Service monitor	usecase-UI architecture

Note: xxxl interface is a Component internal interface. xxxxE interface is a component external interface

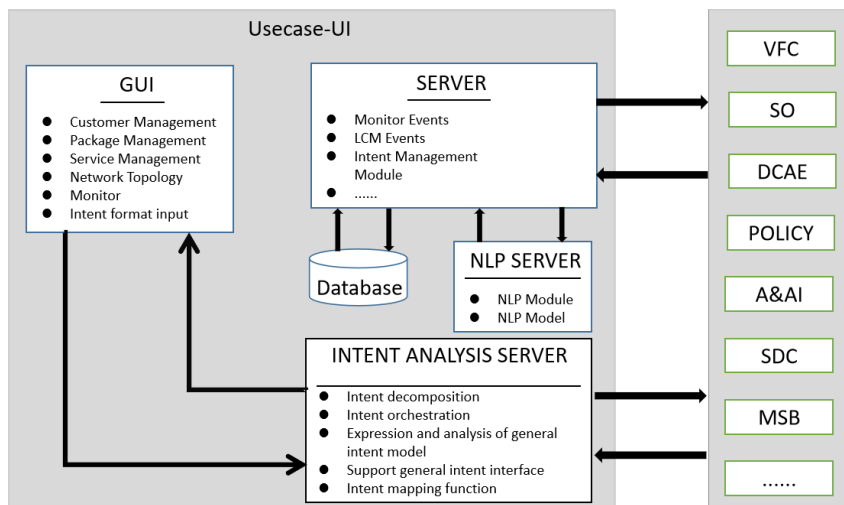
The provided UI interfaces are found at: [Usecase-UI latest user guide](#)

Usecase-UI consumes the following interfaces:

Interface Name	Interface Definition	Interface Capabilities	API Spec (Swagger)
SDCE-6*	SDC Interface	An interface to receive resource Templates from SDC design catalog.	https://docs.onap.org/projects/onap-sdc/en/latest/offeredapis.html
SO-E-01*	Service and Resource order requests	Service Instance management (Service, Volume Group, VF Module, VNF) Health check, global and node. Infrastructure provider management (Certificates, networks, sub-networks, security groups)	https://docs.onap.org/projects/onap-so/en/latest/api/offered_consumed_apis.html
VFCE-2	Service Orchestrator / Policy Interface	An interface to allow Service Orchestrator and Policy request NS Lifecycle Management (ETSI SOL-005).	https://docs.onap.org/projects/onap-vfc-nfvo-lcm/en/latest/platform/APIs/index.html
AAIE-1*	Inventory Service Interface	An interface to create, update, query, and delete resource information and relationships.	AAI REST API Documentation
MSBE-1*	Micro Service Bus Interface	An interface for registration and discovery with the ONAP Micro Service Bus.	Microservice Bus API Documentation
etsicatalogA PIE1-4	Modelling Tosca Parser Interfaces and catalog interfaces	An interface for the Tosca Parser from Modelling project to parse the NS and VNF Descriptors.	Etsicatalog API Document
DCAE-DES	DCAE Service Components	An interface for DataLake Exposure Service Rest APIs	DCAE R8 M2 Architecture Review

*Current description is based on Guilin documentation, will be updated accordingly if correspondent API update in Honolulu.

3. Component Description:



Note: MSB is deprecated. So, no interface to MSB.

Usecase-UI is a web application which contains three parts:

- Usecase-UI GUI
- Usecase-UI Server
- Usecase-UI NLP Server(from I Release)
- Usecase-UI INTENT ANALYSIS SERVER(from K Release)

4. known system limitations

Now the component Redundancy and scaling depends on Kubernetes.

5. Used Models

Usecase-UI use the following models:

- TOSCA - VNF Descriptor/NS Descriptor ETSI NFV SOL001 v2.4.1 & v2.5.1

6. System Deployment Architecture

Usecase-UI consists of 6 containers:

- Usecase-UI-Operator Portal
- Usecase-UI-Operator Server
- Usecase-UI-Customer Portal
- Usecase-UI-Customer Backend
- Usecase-UI-NLP Server(from H Release)
- Usecase-UI-Intent-Analysis Server(from K Release)

7. New Release Capabilities

The London Release supports six capabilities:

1. Optimize the Intent analysis server to improve the general intent solutions.
2. Introduce AI technology to improve the intelligent level of intent processing.
3. Support interaction with Nephio by adding Nephio adapter to intent analysis server.
4. Enhance the functions of intent translation for Cloud-network Convergence Services.

8. References

Usecase-UI Installation & User Guide: [usecase-ui docs](#)