

RIC Dashboard Application

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Child pages:

This page analyzes the requirements and features for the Portal - RIC Dashboard web application.

Requirements

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
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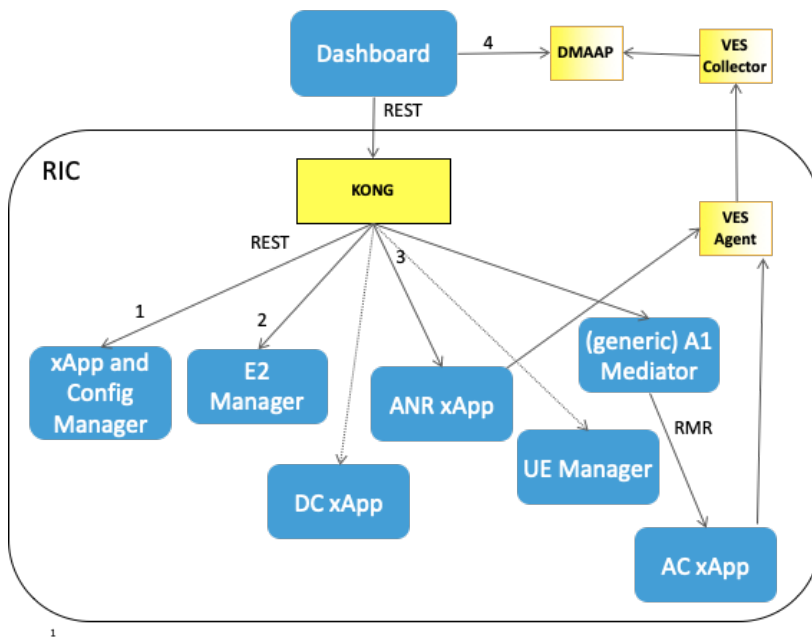
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R1 Features and Enablers (Seed Code R1 version):

- GUI to manage the RIC signaling connection (SETUP, RESET, remove SCTP connection) with the gNB and eNB
- GUI to trigger subscription on UE information
- GUI to manage xApps lifecycle (deploy/undeploy)
- "Big Red Button"
- GUI to manage functional xApps (specific xApps functionality)
- GUI to display search and filter RIC metrics
- GUI to display and query for signaling connection status and xApp status

Requirement	Component	Comments
GUI to manage the RIC signaling connection (SETUP, RESET) with the gNB, and eNB,	1. RIC Dashboard 2. A1 Mediator 3. E2 Manager	
GUI to trigger subscription on UE information	1. RIC Dashboard 2. A1 Mediator 3. UE Manager	
GUI to manage xApps lifecycle (Deploy, Undeploy)	1. RIC Dashboard 2. A1 Mediator 3. xApp Manager	

Dashboard (R1 + R2)



UI/UX Designs

These designs are reviewed in R0 sprints in the initial phases of seed code.

Documenting this just to track the evolution of the UI/UX screens and to show the thought process, so that we do not get into the cycle of redesigning and picking the old designs.



RIC Dashboard Mockups_V1.pptx

Demos and screenshots

R1 - Pendulum demo with RIC Dashboard:

RIC Dashboard functional screen shots latest version (R1 - Sprint4):



RIC-dashboard-screenshots.pptx

R2 - Sprint 2:



RIC-Dashboard_R2_Sprint2.pptx

R2 - Sprint 3:

Dynamic xApp configurations screens and design



xapp configuration.pptx

Repo details

The project code is available in the LF gerrit repository <https://gerrit.o-ran-sc.org/r/admin/repos/portal/ric-dashboard>

Deployment instructions

Integration team can use dashboard's deployable docker image.

Deployment instructions and dependencies are up-to-date here - R0 Component Dependency, Building, and Run Process Discovery

1. Language: Java Backend and Angular Frontend
2. Build dependencies and versions: openjdk:11
3. How to build: Jenkins job defined in [ci-management gerrit repo](#)
4. Run-time dependencies and versions: Helm chart defined in [it/dep gerrit repo](#)
5. How to run: Helm chart defined in [it/dep gerrit repo](#)