

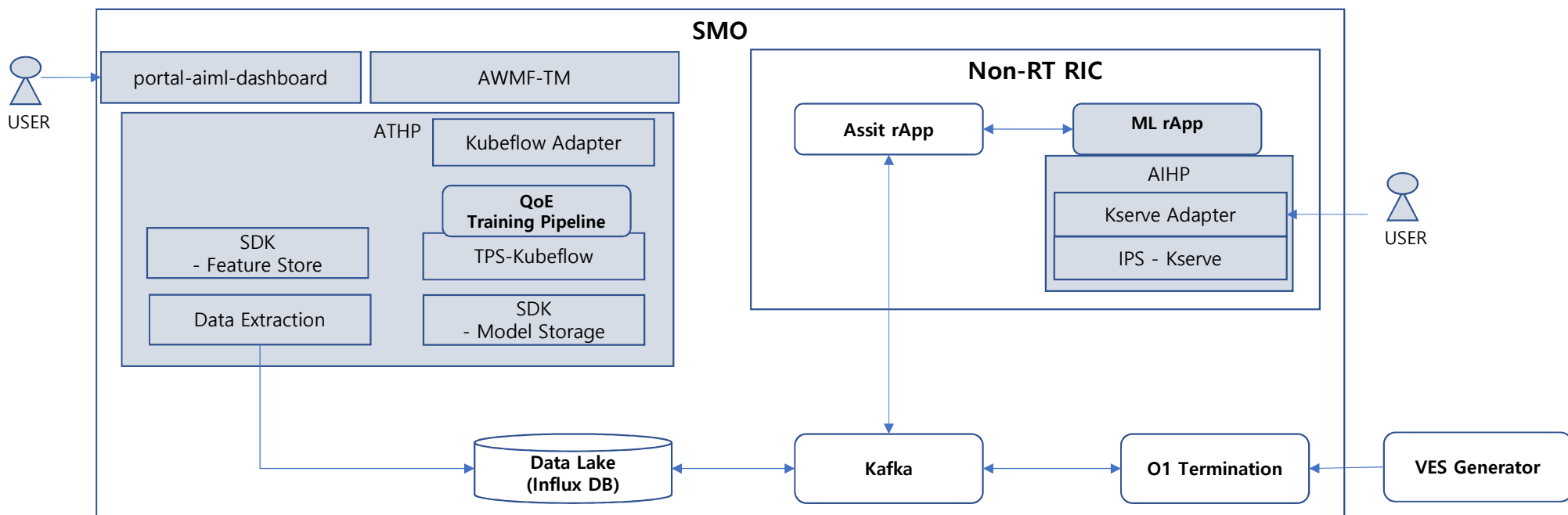
AI/ML Framework (AIMLFW)



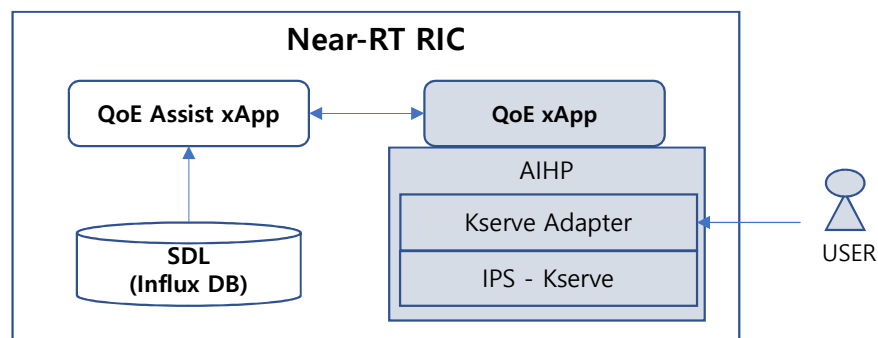
- Architecture Flow for Initial Seed Code Contribution
- Initial Repository Owners for seed code
- Jira Tasks
- MVP contribution related to AIML workflow
- EMCO framework
- CII badging



Architecture Flow for Initial Seed Code Contribution



AIMLFW	AI/ML Framework
AWMF	AI Workflow Management Function
TM	Training Manager
TPS	Training Platform Service (e.g. Kubeflow)
ATHP	AI Training Host Platform
IPS	Inference Platform Service (e.g. Kserve)
AIHP	AI Inference Host Platform





Initial Repository Owners for seed code

Samsung will prepare initial seed code and commit in the following repositories based on the architecture flow

Repositories	Description	Owner
portal/aiml-dashboard	GUI for AIML Workflow	Ashish Jain, Ganesh Kumar Thangavel
aiml-fw/awmf/tm	Training Manager : Training job and model management	Subhasis Mahana, Joseph Thaliath,
aiml-fw/athp/tps/kubeflow adapter	Adapter for Kubeflow	Joseph Thaliath, Subhasis Mahana
aiml-fw/athp/sdk/feature store	Sdk for accessing Feature store	Ashish Jain, Sandeep Kumar Jaisawal
aiml-fw/athp/sdk/model storage	Sdk for accessing Model storage	Joseph Thaliath, Subhasis Mahana
aiml-fw/athp/data extraction	Retrieving features for training from Data lake	Sandeep Kumar Jaisawal, Ashish Jain
aiml-fw/aihp/tps/kserve adapter	Adapter for Kserve	Heewon Park, Youhwan Seol
ric-app/qp-aimlfw	Sample ML Assist xApp for QoE prediction	Minha Lee, Hyunsung Cho
aiml-fw/dep	Deployment scripts aiml workflow → it/dep linking	Subhasis Mahana, Hyunsung Cho

Note: The owners mentioned here are only for initial code contribution. Based on agreement in community discussion, this can be changed.



- Jira task for seed code contribution is created
 - [\[AIMLFW-2\] Prepare project seed code - ORAN Jira \(o-ran-sc.org\)](#)



- Discussion related to AI/ML in O-RAN contribution.
- Need to define an AI/ML workflow for an example usecase to get clarity on the end to end workflow.
We saw the following statement in the contribution: Enhancement of R1 interface for AI/ML training? "enhancement for AI/ML workflow services and procedures of R1 in WG2 (stage2), e.g. AI/ML model training procedure". Need to understand the need for R1 interface impact during training.
- Feedback to be provided for the MVP contribution.
 - <https://oranalliance.atlassian.net/wiki/spaces/MVPC/pages/2597715969/MVP-C+AI+ML+for+O-RAN+-+Request+for+feedback>
 - Next meeting on 12th September.



- Understand the framework based on the presentation and demo that will be provided during the next SMO meeting
- Queries
 - Should model be exposed as docker image for emco to deploy ?
 - Is it planned for cu,du,ru as mentioned in email , what about ml xapp and rapps ?



CII badging

Samsung Research

- <https://wiki.o-ran-sc.org/display/ORAN/Core+Infrastructure+Initiative+%28CII%29+Badging>
- May need to add as a JIRA task