

Shared Data Layer (SDL)



Reference Implementation Based on near-RT RIC

This section documents the details of the O-RAN App SDK which is primarily covering the implementation for near-RT RIC xApps.

information about how the O-RAN App SDK will evolve to cover other O-RAN apps can be found [here](#).

Description

Shared Data Layer (SDL) provides a lightweight, high-speed interface (API) for accessing shared data storage. SDL can be used for storing and sharing any data. Data can be shared at VNF level. One typical use case for SDL is sharing the state data of stateful application processes. Thus enabling stateful application processes to become stateless, conforming with, e.g., the requirements of the fifth generation mobile networks.

Bronze Release Version

Bronze Release development (master branch) version 1.0.4-1 (05 Dec 2019)

Release A frozen: 1.0.4 (Amber branch) 13 November 2019

Gerrit Repo

<https://gerrit.o-ran-sc.org/r/admin/repos/ric-plt/sdl>

<https://gerrit.o-ran-sc.org/r/admin/repos/ric-plt/sdlgo>

<https://gerrit.o-ran-sc.org/r/admin/repos/ric-plt/sdlpy>

Project Readthedocs Page

<https://docs.o-ran-sc.org/projects/o-ran-sc-ric-plt-sdl/en/latest/index.html>

<https://docs.o-ran-sc.org/projects/o-ran-sc-ric-plt-sdlgo/en/latest/index.html>

Project README.md

<https://gerrit.o-ran-sc.org/r/gitweb?p=ric-plt/sdl.git;a=blob;f=README.md;h=52e650368d4f3ddac3f42d77ad09aa7c23bf09d0;hb=refs/heads/master>

<https://gerrit.o-ran-sc.org/r/gitweb?p=ric-plt/sdlpy.git;a=blob;f=ricsdl-package/README.md;h=2f828eae911e43c840581dde6b4a4d8cdeedd710;hb=refs/heads/master>

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