

Near-RT RIC (E release)

These are the planned versions to be used for the E release (E-release status: TODO).

Use the recipe file `RECIPE_EXAMPLE/example_recipe_oran_e_release.yaml` from ' `git clone "https://gerrit.o-ran-sc.org/r/ric-plt/ric-dep"` ' to deploy the near-RT RIC platform. This file is aligned with the versions below.

Component (docker image/library /module)	Image in release repo (10002) or in staging repo (10004)	Gerrit review (to be used to recreate image if disappeared from staging)
docker: ric-plt-e2mgr (E2 manager)	nexus3.o-ran-sc.org:10002/o-ran-sc/ric-plt-e2mgr : 5.4.19	(changed from 5.4.18 5.4.19 on Dec-17) to include bug fix
docker: ric-plt-e2 (E2 termination)	nexus3.o-ran-sc.org:10002/o-ran-sc/ric-plt-e2 : 5.5.0	
docker: ric-plt-submgr	nexus3.o-ran-sc.org:10002/o-ran-sc/ric-plt-submgr : 0.8.2	
docker: ric-plt-rtmgr	nexus3.o-ran-sc.org:10002/o-ran-sc/ric-plt-rtmgr : 0.8.2	
docker: ric-plt-a1	nexus3.o-ran-sc.org:10002/o-ran-sc/ric-plt-a1 : 2.5.1	
docker: ric-plt-appmgr	nexus3.o-ran-sc.org:10002/o-ran-sc/ric-plt-appmgr : 0.5.4	
docker: ric-plt-alarmmanager	nexus3.o-ran-sc.org:10002/o-ran-sc/ric-plt-alarmmanager : 0.5.11	
docker: jaegeradapter	docker.io/jaegertracing/all-in-one : 1.12	
docker: ric-plt-o1	nexus3.o-ran-sc.org:10002/o-ran-sc/ric-plt-o1 : 0.5.3	
docker: ric-plt-vespamgr	nexus3.o-ran-sc.org:10002/o-ran-sc/ric-plt-vespamgr : 0.7.5	
docker: xapp-onboarder (dms_cli)	<code>git clone -b e-release "https://gerrit.o-ran-sc.org/r/ric-plt/appmgr"</code>	
docker: ric-plt-dbaas (database)	nexus3.o-ran-sc.org:10002/o-ran-sc/ric-plt-dbaas : 0.5.5	(changed from 0.5.30.5.5) to include sdlcli (from sdlgo)
docker: influxDB (optional)	docker.io/influxdb : 1.8.0-alpine	
docker: mgxapp (optional metrics gateway xApp)	not planned to be released in E release (See RIC-799)	
library: rmr	version 4.8.0 (Dec-02-2021)	https://gerrit.o-ran-sc.org/r/c/ric-plt/lib/rmr/+7204
library: mdclog	version 0.1.4-1 (Aug-25-2021)	
library: ricxfcpp (xapp-frame-cpp)	version 2.3.5(Dec-05-2021)	
library: riclibe2ap	version 1.1.0(Jun-04-2021)	
library: sdl	version 1.5.1(Dec-03-2021)	
library: rnib	version 1.1.0(Jun-04-2021)	
module: mdclogpy	version 1.1.4(Jun-17-2021)	
module: ricsdl (sdl for python)	version 3.01 (Nov-19-2021)	
module xapp-frame-py (in pypi = ricxappframe)	version 3.0.1 (Dec-07-2021)	

End-of-release tasks

1. Complete code upload/update
 - a. e.g. update the dockerfile to use the latest RMR library: 4.8.0

2. Double-check from [Code coverage reports](#) (click on "primary link" in that page) that all **blocker** code smells have been addressed as per RC-5 in [Release criteria checklist template](#)
 - a. **status 2021-11-25: no actions needed** for ric-plt/a1, ric-plt/alarm-go, ric-plt/appmgr, ric-plt/asn1-documents, ric-plt/dbaas, ric-plt/e2mgr, ric-plt/lib/rmr, ric-plt/rtrmgr, ric-plt/sdl, ric-plt/sdlgo, ric-plt/streaming-protobufs, ric-plt/submgr, ric-plt/tracelibcpp, ric-plt/tracelibgo ric-plt/vespamgr, ric-plt/xapp-frame, ric-plt/xapp-frame-py, com/log, com/golog , com/pylog
 - i. note 1: ric-plt/dbaas =1 blocker bug in UT code (2021-01-27) - seems not to be anymore in latest version of source code.
 - ii. note 2: ric-plt/e2 2 blocker bugs in old report (2021-06-18) - RIC-802 fixed them. Sonar CI report not working due to unrelated issue
 - b. only repo that has an issue: (2021-12-03_ trying to fix via <https://gerrit.o-ran-sc.org/r/c/ric-plt/xapp-frame-cpp/+7207>): ric-plt/xapp-frame-cpp line 94 and l100 in src/config/config.cpp with strdup()-allocated memory should be freed with free(), not delete
3. If applicable, release binary artifact(s) such as docker container image(s), or libraries.
 - a. Formal instructions: [O-RAN Developer's Guide to CI Resources and Processes at the LF](#). For container image releases we do check "container-tag.yaml" in the repo and from there you get the latest version of the container (*the expectation is that during development that version is updated as changes are made to the repo*). If it's the same as in the previous release (Cherry) because there were no changes, or because developers forgot to update that one, update it as well. This has to be committed and merged first. As a second step take the version from container-tag.yaml and update that into .../releases/container-release-**ric-plt-e2mgr**.yaml (in two places; in row "version" (skip this if the italics text above applied) and in row container_release_tag) also take the commit Id that is the latest and update that into /releases/container-release-**ric-plt-e2mgr**.yaml. The bold part obviously differs per component.
4. Update references to artifacts in the above table. Also fill in the last column with reference to the gerrit review that can be used to regenerate the artifact.
5. Update release notes: Make sure you have a release summary as per RC-1 in [Release criteria checklist template](#): "every component must update their rst release notes (in the doc subfolder in the repo)". Based on this per-component description, the PTL will create a release summary.
 - a. Release Notes must be published to <https://docs.o-ran-sc.org/en/latest/>
 - b. Instructions for setting up documentation folder for repo: <https://wiki.o-ran-sc.org/display/DOC/Configure+Repo+for+Documentation>
6. After finishing all the above, branch "**e-release**" (all lower case with a dash between e and release).
 - a. Repo owners (committers) can create branch.
 - b. There are several ways to create branch. For example do this: Login to web UI <https://gerrit.o-ran-sc.org/r/admin/repos> > Find repo, click on repo name > "Branches" in left panel > "Create New"