

OMEC Tutorial

Contribute to OMEC

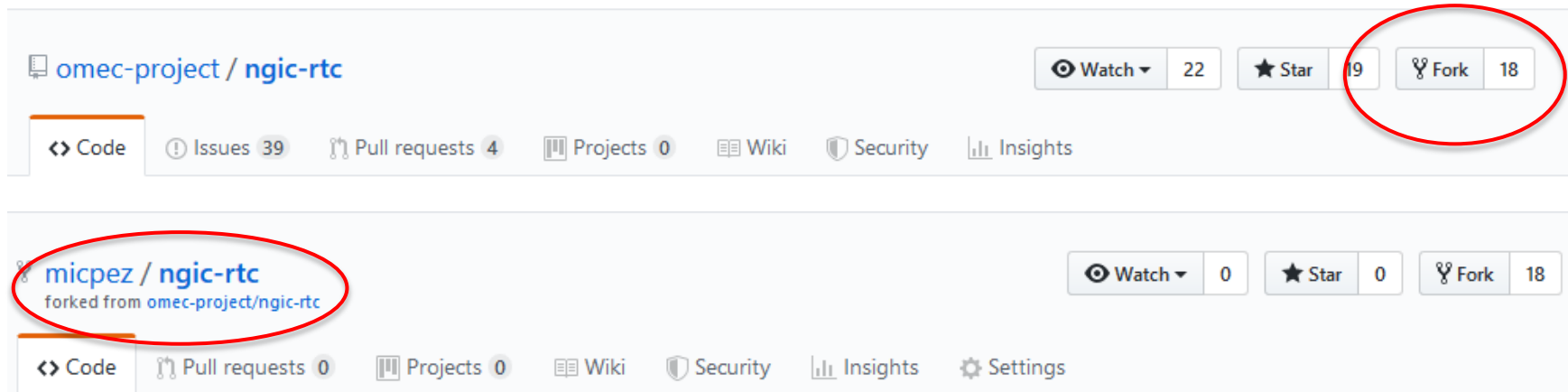
OMEC CI/CD

-
- Topics
 - Submitting a patch to OMEC
 - OMEC CI/CD

Pull Request flow

1. Create a Pull Request

- follow github workflow (<https://help.github.com/en/articles/creating-a-pull-request>)
- Fork the repo of interest



- make changes and then push the change to a branch on your fork

Pull Request flow

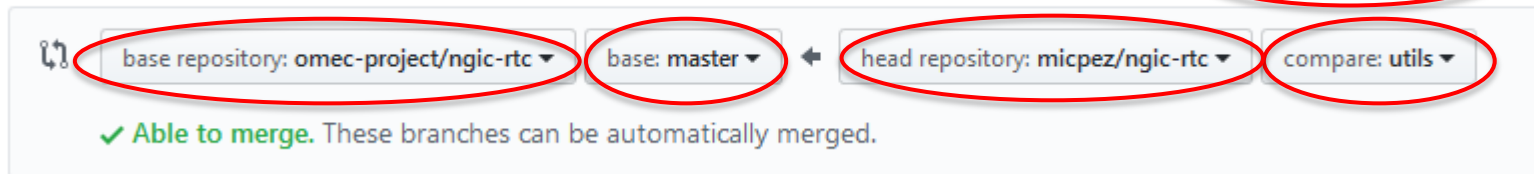
1. Create a Pull Request as per github workflow [cont'd]

- Submit a Pull Request from your fork to the original OMEC repo (see <https://help.github.com/en/articles/creating-a-pull-request-from-a-fork>)

a. Go to the original repo and click New Pull request

b. compare across forks and select your fork / branch

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).



The screenshot shows the GitHub interface for creating a pull request. At the top, it says '47 commits'. Below that, there is a 'Branch: master' dropdown and a 'New pull request' button, both circled in red. Below this, there is a section for comparing branches. It shows 'base repository: omec-project/ngic-rtc' with a dropdown arrow, 'base: master' with a dropdown arrow, a left-pointing arrow, 'head repository: micpez/ngic-rtc' with a dropdown arrow, and 'compare: utils' with a dropdown arrow. All these dropdowns are circled in red. Below the comparison section, there is a green checkmark and the text 'Able to merge. These branches can be automatically merged.'

c. Add title / description
(if PR solves an issue, add "resolve #<issue no.> in the description)

d. Create Pull request



The screenshot shows the bottom part of the GitHub pull request creation interface. It features a green 'Create pull request' button with a dropdown arrow, circled in red. Below the button, there is a checkmark and the text 'Create pull request'.

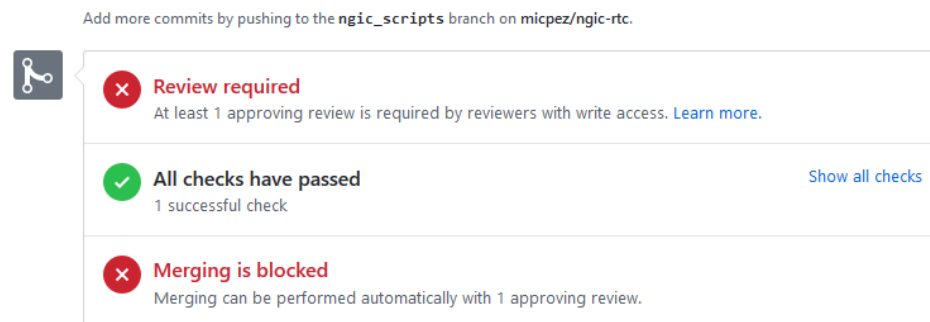
Pull Request flow

2. One of the OMEC Project maintainers (<https://github.com/orgs/omec-project/people>) will review your patch set.

If it's approved, a comment with `ok to test` will be left on the pull request, and a OMEC Jenkins Job (<https://jenkins.opencord.org/view/OMEC>) will be started to test your patch set.

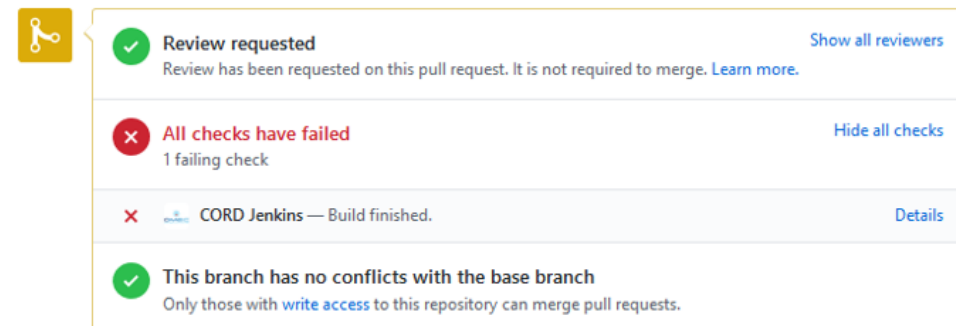
3. If the patch set passes tests, it can be merged into the project.
4. If tests fails, Jenkins can be inspected for details via Console output and log inspection

Add more commits by pushing to the `ngic_scripts` branch on micpez/ngic-rtc.



This screenshot shows the status of a pull request in GitHub. It features three distinct status boxes. The top box, titled 'Review required', has a red 'x' icon and states that at least one approving review is needed. The middle box, titled 'All checks have passed', has a green checkmark icon and indicates one successful check. The bottom box, titled 'Merging is blocked', has a red 'x' icon and explains that merging can proceed once there is one approving review.

- Review required**
At least 1 approving review is required by reviewers with write access. [Learn more.](#)
- All checks have passed** [Show all checks](#)
1 successful check
- Merging is blocked**
Merging can be performed automatically with 1 approving review.



This screenshot shows a different status for a pull request in GitHub. It features four distinct status boxes. The top box, titled 'Review requested', has a green checkmark icon and notes that a review has been requested. The second box, titled 'All checks have failed', has a red 'x' icon and indicates one failing check. The third box, titled 'CORD Jenkins — Build finished', has a red 'x' icon and includes a 'Details' link. The bottom box, titled 'This branch has no conflicts with the base branch', has a green checkmark icon and explains that only those with write access can merge pull requests.

- Review requested** [Show all reviewers](#)
Review has been requested on this pull request. It is not required to merge. [Learn more.](#)
- All checks have failed** [Hide all checks](#)
1 failing check
- CORD Jenkins — Build finished.** [Details](#)
- This branch has no conflicts with the base branch**
Only those with [write access](#) to this repository can merge pull requests.

-
- Topics
 - Submitting a patch to OMEC
 - OMEC CI/CD

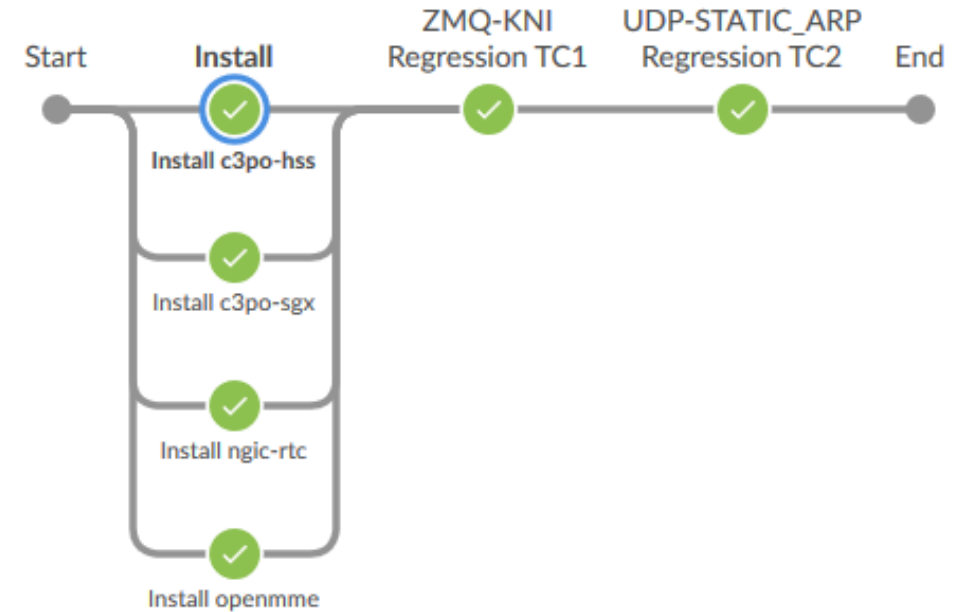
CICD Flow

A Pull Request for one of the three repos:

- c3po
- ngic-rtc
- openmme

will trigger a Jenkins job (*omec_<repo>_combined*) that will coordinate:

- VNFs installation (in parallel): (*)
 - *omec_c3po-hss_install*
 - *omec_c3po-sgx_install*
 - *omec_openmme_install*
 - *omec_ngic-rtc_install*
- and test:
 - *omec_tc1* [ZMQ-KNI Regression TC1]
 - *omec_tc2* [UDP-STATIC_ARP Regression TC2]



(*) all repos will be on master, except <repo>, which will be on pull/<PR number>/head

Highlights [1/3]

- Resources for CI/CD Jobs:
 - Jenkins scripts are hosted @ <https://github.com/omec-project/omec-project-ci>
 - VNFs configuration for OMEC CI/CD is stored in OMEC VNFs repos (in .ci directory)
 - Migration of installation/test logic from Jenkins scripts to local bash scripts in .ci directories is ongoing
 - Jenkins scripts:
 - written as per pipeline architecture using both Declarative and Scripted pipeline
 - goal is to use only Declarative pipeline
- patch set involving 2 different repos at the same time
 - not manageable under current setup
 - shall be considered a corner case and handled 'manually' one patch at a time
- Pull request from HSS or SGX CDR Dealer/KMS will trigger a build/install job on whole c3po repo

Highlights [2/3]

- ONF set-up is currently running in Intel vLabs, with plans to migrate to ONF
 - VMs that are running in the ONF cluster for OMEC
 - ngic-cp1
 - ngic-dp1
 - c3po-hss1
 - c3po-mme1
 - c3po-dbn1
 - sgx-kms-cdr: SGX CDR Dealer/KMS components is running on bare metal
 - plrs2: polaris load tester is running on bare metal -> to be replaced by ng40
- activity is in progress to migrate from polaris to ng4T test system
 - ilnperf7 has now replaced plrs2
 - CI/CD is currently 'on-hold' to allow this migration to happen
- Prerequisites for Jenkins CI/CD
 - VMs up and running
 - DB VM is left untouched as it is provisioned for 100,000 Ues (to check for the status run this command on DB VM: nodetool status)
 - Ethernet connectivity between the servers and switches in the ONF Cluster environment
- All existing processes of OMEC in ONF Cluster servers are killed on CI/CD execution/job trigger from Jenkins

Highlights [3/3]

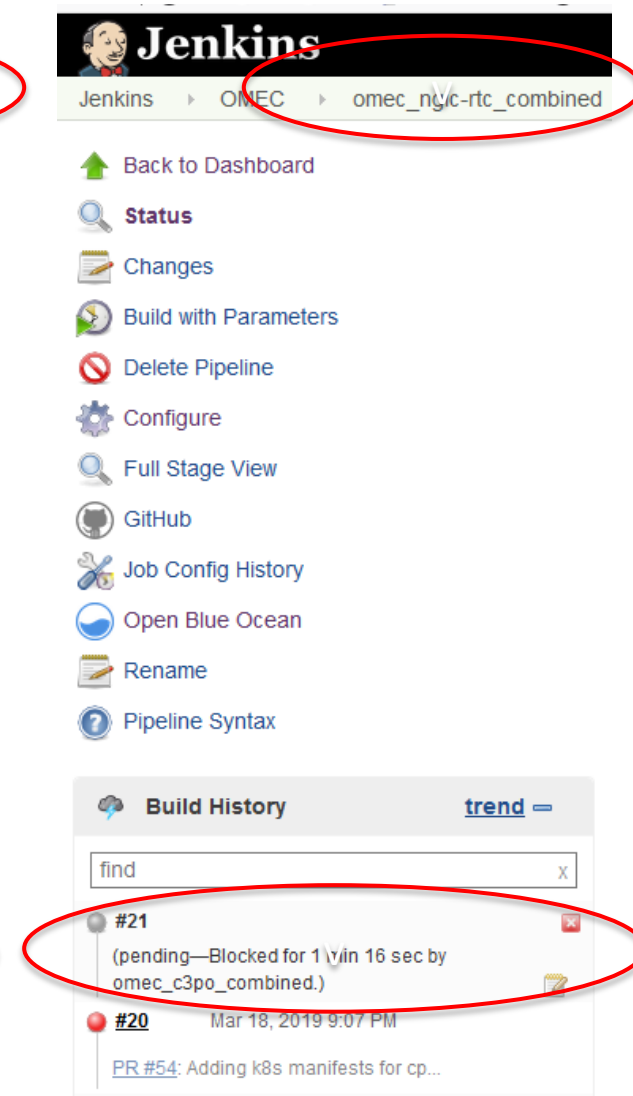
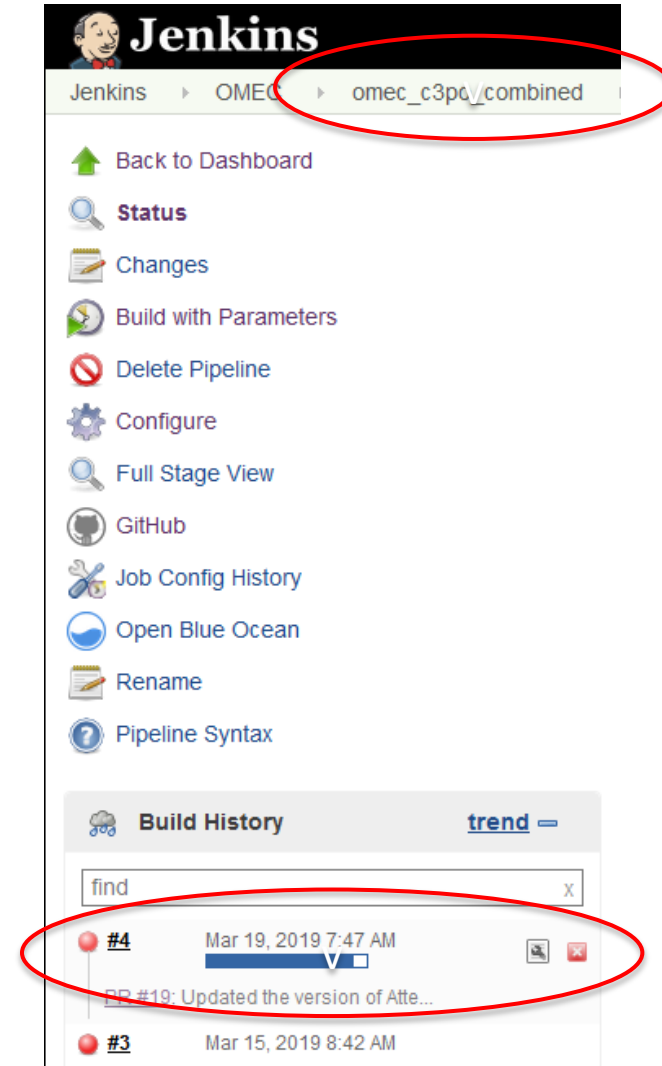
- Traffic tests are set to default parameters for Jenkins CI/CD execution as follows:
 - nUE = 32000
 - attachRate = 250
 - detachRate = 250
 - curDataRate = 35000 Kbps
- ZMQ-KNI Regression TC1:
 - traffic test with ZMQ (Push/Pull) enabled in ngic-cp/dp and KNI enabled
- UDP-STATIC_ARP Regression TC2:
 - traffic test with UDP enabled in ngic-cp/dp and STATIC_ARP enabled
- Job stage “Polaris test” result is based on existing Polaris report (Success/Failure), will be updated when ng40 is up and running
- Enclave/ca_bundle.h in SGX CDR Dealer/KMS should maintain the schematic of the Enclave Measurements structure for editing the keys during Jenkins job execution

Concurrency of PRs

If a PR is being tested and a second PR is submitted or retested, Jenkins will queue the 2nd PR until the first one is completed

E.g.:

- Job *omec_ngic-rtc-combined* #21 will be executed only after *omec_c3po-combined* #4 is completed



CICD Flow

In Jenkins <https://jenkins.opencord.org/view/OMEC/> results are visible/browsable via:

- the standard interface
e.g. for a PR on ngic-rtc repo
https://jenkins.opencord.org/view/OMEC/job/omec_ngic-rtc_combined/
- the Open Blue Ocean interface
e.g. for a PR on ngic-rtc repo
https://jenkins.opencord.org/blue/organizations/jenkins/omec_ngic-rtc_combined/activity/

Outputs:

- Build jobs Console Outputs are verbose and provide a step-by-step view, for easier debug in case of failure
- VNFs stdout / stderr consoles during installation and tests are logged to file and available in Jenkins

Overall Jenkins status

00 - Empty API-Tests ATT-Workflow All Jobs Coverage Guide M-CORP **OMEC** OMOS Apps Publish RECORD-Lite SEBA-Releases SIAB

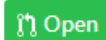
VOLTHA-2.X-Tests VOLTHA-Tests Verify XOS-Integration-Tests ci-management sonarqube +






| S | W | Name ↓ | Last Success | Last Failure | Last Duration | Fav | Robot Results |
|---|---|--|-------------------------------------|-------------------------------------|---------------|-----|---------------|
| | | docker-publish-github_c3po | N/A | N/A | N/A | | |
| | | docker-publish-github_ngic-rtc | N/A | N/A | N/A | | |
| | | docker-publish-github_openmme | N/A | N/A | N/A | | |
| | | docker-publish_omec-cni | 3 days 11 hr - #3 | N/A | 4 min 37 sec | | |
| | | docker-publish_omec-pod-init | 3 days 11 hr - #3 | 6 days 0 hr - #1 | 53 sec | | |
| | | omec_c3po-hss_install | 3 days 8 hr - #228 | 1 mo 0 days - #159 | 6 min 28 sec | | |
| | | omec_c3po-sgx_install | 3 days 8 hr - #193 | 13 days - #148 | 6 min 21 sec | | |
| | | omec_c3po_combined | 3 mo 11 days - #23 | 3 days 8 hr - #48 | 26 min | | |
| | | omec_ci-test_pipeline | 6 mo 6 days - #20 | 6 mo 7 days - #14 | 2 min 19 sec | | |
| | | omec_ngic-rtc_combined | 6 days 21 hr - #204 | 6 days 23 hr - #203 | 28 min | | |
| | | omec_ngic-rtc_install | 3 days 8 hr - #343 | 11 days - #302 | 6 min 2 sec | | |
| | | omec_openmme_combined | 5 days 12 hr - #72 | 3 days 14 hr - #75 | 31 min | | |
| | | omec_openmme_install | 3 days 8 hr - #358 | 9 days 16 hr - #345 | 37 sec | | |
| | | omec_tc1 | 5 days 12 hr - #446 | 3 days 8 hr - #456 | 11 min | | |
| | | omec_tc2 | 5 days 12 hr - #181 | 10 days - #174 | 11 min | | |

Example of PR -> CICD flow for PR #85 on ngic-rtc

- <https://github.com/omec-project/ngic-rtc/pull/85>

Fix issue #47 PGWU: Not able to launch, failed to create Rx/Tx rings #85

 Open amitinfo2k wants to merge 2 commits into ome-project:master from amitinfo2k:fix_issue_47

 Conversation 0  Commits 2  Checks 0  Files changed 2 +1 -3 



amitinfo2k commented 7 days ago

Member + 😊 ...

This commit fixes the issue where the DP in PGWU configuration fails with error creating Rx/Tx rings. Please review

Reviewers

No reviews

Assignees

No one assigned

Labels

None yet


Projects

Milestone

No milestone



Notifications

Customize

 Subscribe


You're not receiving notifications from this thread.

amitinfo2k added 2 commits 7 days ago

 Merge pull request #1 from ome-project/master  Verified 923ac57

 This commit fixes #47  33229fc



 **Review required**

[Add your review](#)

At least 1 approving review is required by reviewers with write access. [Learn more.](#)

 **All checks have passed**

[Show all checks](#)

1 successful check

 **Merging is blocked**

Merging can be performed automatically with 1 approving review.

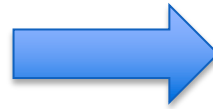
Example of PR -> CICD flow

- https://jenkins.opencord.org/view/OMEC/job/omec_ngic-rtc_combined/204/console

Console Output

GitHub pull request #85 of commit 33229fc8e799c6aeb3820e89a4378b8c0009e8f7, no merge conflicts.

```
[Install c3po-hss] Scheduling project: omec c3po-hss install
[Pipeline] build (Building omech_c3po-sgx_install)
[Install c3po-sgx] Scheduling project: omec c3po-sgx install
[Pipeline] build (Building omech_ngic-rtc_install)
[Install ngic-rtc] Scheduling project: omec ngic-rtc install
[Pipeline] build (Building omech_openmme_install)
[Install openmme] Scheduling project: omec openmme install
> git rev-parse origin/master^{commit} # timeout=10
> git config core.sparsecheckout # timeout=10
> git checkout -f 43b11c8539ff2f21d024344b67e6b535bddcb3fc
[Install c3po-hss] Starting building: omec c3po-hss install #220
[Install c3po-sgx] Starting building: omec c3po-sgx install #185
[Install openmme] Starting building: omec openmme install #350
[Install ngic-rtc] Starting building: omec ngic-rtc install #335
```



```
Scheduling project: omec tc1
Starting building: omec tc1 #444
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (UDP-STATIC_ARP Regression TC2)
[Pipeline] build (Building omech_tc2)
Scheduling project: omec tc2
Starting building: omec tc2 #180
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Setting status of 33229fc8e799c6aeb3820e89a4378b8c0009e8f7 to SUCCESS
rtc_combined/204/ and message: 'Build finished. '
Using context: CORD Jenkins
Finished: SUCCESS
```

Pipeline omec_ngic-rtc_combined

- https://jenkins.opencord.org/view/OMEC/job/omec_ngic-rtc_combined/

Pipeline omec_ngic-rtc_combined

Created by omec-combined job-template from ci-management/jjb/omec-ci.yaml

 [edit description](#)

Disable Project



[Recent Changes](#)

Stage View

Average stage times:
(Average full run time: ~28min 1s)

| | Declarative: Checkout SCM | Install | Install c3po-hss | Install c3po-sgx | Install ngic-rtc | Install openmme | ZMQ-KNI Regression TC1 | UDP-STATIC_ARP Regression TC2 |
|-------------------------|---------------------------|---------|------------------|------------------|------------------|-----------------|------------------------|-------------------------------|
| #204 | 1s | 35ms | 6min 42s | 6min 27s | 6min 43s | 45s | 9min 30s | 5min 26s |
| Aug 26 13:20 No Changes | 1s | 37ms | 6min 49s | 6min 25s | 7min 7s | 43s | 10min 41s | 10min 16s |

Pipeline omec_ngic-rtc_install

- https://jenkins.opencord.org/job/omec_ngic-rtc_install/335/

Pipeline omec_ngic-rtc_install

Created by omec-install job-template from ci-management/jjb/omec-ci.yaml



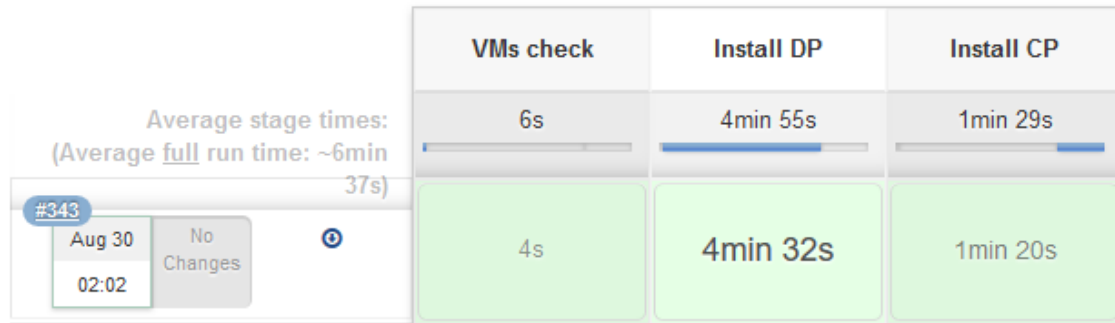
Last Successful Artifacts

| | | |
|---|-----------|----------------------|
| cicd_cp1_install_stderr.log | 19.96 KB | view |
| cicd_cp1_install_stdout.log | 182.67 KB | view |
| cicd_dp1_install_stderr.log | 23.10 KB | view |
| cicd_dp1_install_stdout.log | 231.55 KB | view |



Recent Changes

Stage View



Build #335 (Aug 26, 2019 11:20:29 AM)



Build Artifacts

| | | |
|---|-----------|----------------------|
| cicd_cp1_install_stderr.log | 19.96 KB | view |
| cicd_cp1_install_stdout.log | 182.67 KB | view |
| cicd_dp1_install_stderr.log | 23.09 KB | view |
| cicd_dp1_install_stdout.log | 231.55 KB | view |



Started by upstream project [omec_ngic-rtc_combined](#) build number [204](#) originally caused by:

- GitHub pull request #85 of commit 33229fc8e799c6aeb3820e89a4378b8c0009e8f7, no merge conflicts.



This run spent:

- 6.4 sec waiting;
- 7 min 1 sec build duration;
- 7 min 7 sec total from scheduled to completion.



Revision: 43b11c8539ff2f21d024344b67e6b535bddcb3fc

- origin/master

Pipeline omec_ngic-rtc_install

- https://jenkins.opencord.org/job/omec_ngic-rtc_install/2/console

```
Cloning into 'ngic-rtc'...
From https://github.com/omec-project/ngic-rtc
 * [new ref]          refs/pull/85/head -> jenkins_test
[Pipeline] echo
First, rewinding head to replay your work on top of it...
Applying: This commit fixes #47
commit 1894e105efc5988afd3e752d681960e7a1717e28
```

Pipeline omec_tc1

- https://jenkins.opencord.org/view/OMEC/job/omec_tc1/

Pipeline omec_tc1

Created by omec-tc1 job-template from ci-management/jjb/omec-ci.yaml

[edit description](#)

Disable Project



[Last Successful Artifacts](#)

[Expand all](#) [Collapse all](#)

[View](#)



[Recent Changes](#)

Stage View

| | VMs check | c3po-ctf/cdf | c3po-router | c3po-sgxcdr | c3po-hss1 | c3po-mme1 | make CP | make DP | ZMQ [push/pull] start | run ngic-rtc | check processes | test polaris | test sgx-dp |
|---|-----------|--------------|-------------|-------------|-----------|-----------|---------|---------|-----------------------|--------------|-----------------|--------------|-------------|
| Average stage times: (Average full run time: ~10min) | 18s | 10s | 12s | 27s | 18s | 36s | 4s | 12s | 11s | 38s | 9s | 7min 33s | 2s |
| #446 Aug 27 22:09 No Changes | 30s | 11s | 11s | 26s | 18s | 38s | 4s | 15s | 11s | 36s | 9s | 6min 55s | 3s |

Pipeline omec_tc1

- https://jenkins.opencord.org/job/omec_tc1/444/console (similar report for tc2)

```
+-----Test Report-----+
+
+-----Summary-----+
+ 1. Test start time.....26-08-2019 17:01:00 +
+ 2. Test end time.....26-08-2019 17:07:40 +
+ 3. Total time taken.....400 seconds +
+ 4. Average time per test case.....400 seconds +
+ 5. Total number of tests executed.....1 +
+ 6. Total number of tests passed.....1 +
+ 7. Total number of tests failed.....0 +
+ 8. Test pass percentage.....100% +
+
+-----Passed Tests-----+
+ 1. ./Attach-Detach-wdata.tcl +
+
+-----Error Tests-----+
+
+-----Failed Tests-----+
+ No Test Failed. +
+
+-----Results-----+
+ 1. ./Attach-Detach-wdata.tcl +
+ Results: +
+ 1. Attach: Attempt: 32000, Success: 32000, Completion Time (max/min/avg): 322.13/9.27/55.64 +
+ 2. Detach: Attempt: 32000, Success: 32000, Completion Time (max/min/avg): 2007.50/3.67/40.23 +
+
+-----End of Report-----+
```

```
DP log: DP Identify/Filename: 20190826043043
[Pipeline] sh
+ ssh sgx-kms-cdr 'ls /home/jenkins/c3po/sgxcdr/'
[Pipeline] echo
cdr directory: identity: 20190826043043
```


Examples of Failures (1/3)

- Back to Dashboard
- Status
- Changes
- Build with Parameters
- Delete Pipeline
- Configure
- Full Stage View
- GitHub
- Job Config History
- Open Blue Ocean
- Rename
- Pipeline Syntax

Pipeline omec_ngic-rtc_combined

Created by omec-combined job-template from ci-management/jjb/omec-ci.yaml



Stage View

Average stage times:
(Average full run time: ~28min 3s)

| | Declarative: Checkout SCM | Install | Install c3po | Install ngic-rtc | Install openmme | ZMQ-KNI Regression TC1 | UDP-STATIC_ARP Regression TC2 |
|---------|---------------------------|---------|--------------|---------------------|-----------------|------------------------|-------------------------------|
| Average | 2s | 36ms | 9min 53s | 13min 14s | 40s | 5min 33s | 1min 38s |
| #26 | 1s | 33ms | 9min 39s | 12min 23s failed | 37s | 20ms failed | 22ms failed |

Build History [trend](#)

#26 Mar 19, 2019 5:31 PM
PR #15: Add Dockerfile, Makefile ta...

Examples of Failures

Add Dockerfile, Makefile targets and install_deps.sh #15

[Open](#) krsna1729 wants to merge 3 commits into omeq-project:master from krsna1729:18.04-docker

Conversation 8 Commits 3 Checks 0 Files changed 6 +201 -49



krsna1729 commented on Feb 17 • edited

Member + 😊 ...

- Move to Ubuntu 18.04
- Added simple script to install all dependencies
 - Use packages for hyperscan
- Added a multi-stage Dockerfile to build SPGW-C/U
- Added docker related targets to top-level Makefile

Fixes: #6, #7
Based-on: #31

Signed-off-by: Saikrishna Edupuganti saikrishna.edupuganti@intel.com

Reviewers

- somnathchakrab...
- suresh-marikkannu



krsna1729 commented an hour ago

Author Member + 😊 ...

retest this please



- Review requested** [Show all reviewers](#)
Review has been requested on this pull request. It is not required to merge. [Learn more.](#)
- All checks have failed** [Hide all checks](#)
1 failing check
- CORD Jenkins** — Build finished. [Details](#)
- This branch has no conflicts with the base branch**
Only those with [write access](#) to this repository can merge pull requests.

Examples of Failures (2/3)

- PR was submitted to ngic-rtc repo
- Job omec_ngic-rtc_combined #26 failed
- From there, it is possible to navigate to the failing point, in this case omec_ngic-rtc_install
- Pipeline view, Console Output and logs of omec_ngic-rtc_install will provide where the process stopped

Build #26 (Mar 19, 2019 5:31:53 PM)

 [PR #15: Add Doc\erfile, Makefile ta...](#)



GitHub pull request #15 of commit 2c0588e2f53464ec1ccf57b94237e010ca4d4015,



This run spent:

- 9 min 42 sec waiting;
- 12 min build duration;
- 22 min total from scheduled to completion.

```
> git checkout 1 ccd12ca1b10b1b7cbb7f3cc47d1b107112010
[Install openmme] Starting building: omec openmme install #26
[Install ngic-rtc] Starting building: omec ngic-rtc install #24
[Install c3po] Starting building: omec c3po install #24
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
Failed in branch Install ngic-rtc
[Pipeline] // parallel
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (ZMQ-KNI Regression TC1)
Stage "ZMQ-KNI Regression TC1" skipped due to earlier failure(s)
[Pipeline] }
```

Examples of Failures (3/3)

Pipeline omec_ngic-rtc_install

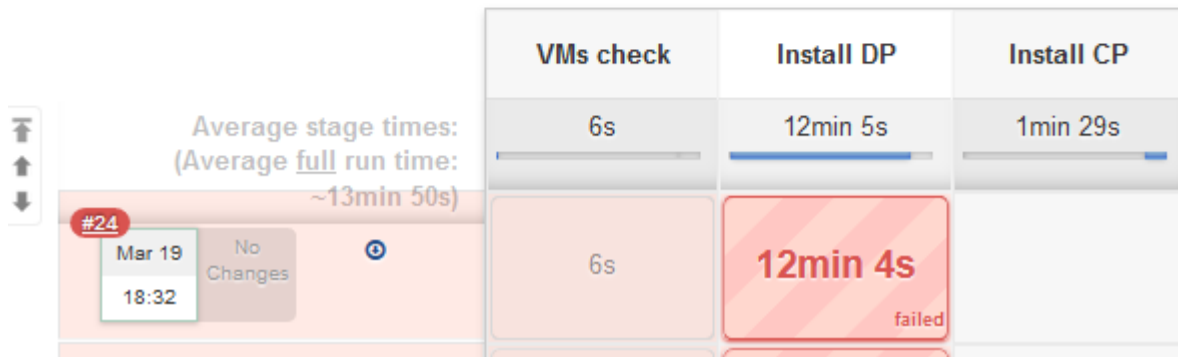
Created by omec-install job-template from ci-management/jjb/omec-ci.yaml

Last Successful Artifacts

- [cicd_cp1_install.stderr.log](#) 19.96 KB [view](#)
- [cicd_cp1_install.stdout.log](#) 182.32 KB [view](#)
- [cicd_dp1_install.stderr.log](#) 23.12 KB [view](#)
- [cicd_dp1_install.stdout.log](#) 231.22 KB [view](#)

Recent Changes

Stage View



Console Output

Started by upstream project "[omec ngic-rtc combined](#)" build number [26](#) originally caused by:
GitHub pull request #15 of commit 2c0588e2f53464ec1ccf57b94237e010ca4d4015,

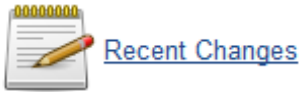
```
CC ddn.o
CC gtpu_echo.o
CC /home/jenkins/ngic-rtc/dp/./interface/udp/vepc_udp.o
CC /home/jenkins/ngic-rtc/dp/./interface/interface.o
CC pipeline/epc_dl.o
CC pipeline/epc_packet_framework.o
CC pipeline/epc_spns_dns.o
CC pipeline/epc_ul.o
LD ngic_dataplane
/home/jenkins/ngic-rtc/dpdk/mk/rte.app.mk:336: recipe for target 'ngic_dataplane' failed
/home/jenkins/ngic-rtc/dpdk/mk/rte.extapp.mk:14: recipe for target 'all' failed
[Pipeline] }
[Pipeline] // timeout
[Pipeline] }
[Pipeline] // stage
[Pipeline] sh
```

Migration polaris -> ng40

- CI/CD is currently 'on-hold' to allow migration from polaris to ng40
- if a job is triggered now, an early failure of TC1 will be shown

Pipeline omec_c3po_combined

Created by omec-combined job-template from ci-management/jjb/omec-ci.yaml



Stage View

| | Declarative: Checkout SCM | Install | Install c3po-hss | Install c3po-sgx | Install ngic-rtc | Install openmme | ZMQ-KNI Regression TC1 | UDP-STATIC_ARP Regression TC2 |
|-----------------------------------|---------------------------|---------|------------------|------------------|------------------|-----------------|------------------------|-------------------------------|
| Average stage times: | 1s | 36ms | 6min 47s | 6min 53s | 6min 40s | 46s | 4min 50s | 41s |
| #48 Aug 30 02:02 No Changes | 1s | 39ms | 6min 35s | 6min 28s | 6min 9s | 43s | 35s failed | 18ms failed |

Additional / backup slides


Pipeline omec_c3po_hss_install













- https://jenkins.opencord.org/job/omec_c3po-hss_install/220/

Pipeline omec_c3po-hss_install

Created by omec-install job-template from ci-management/jjb/omec-ci.yaml

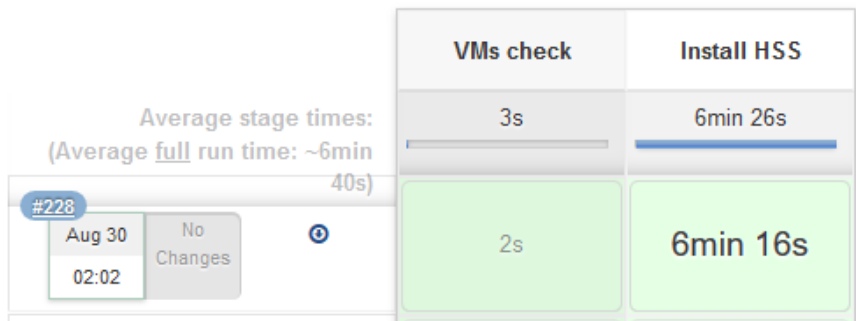
Build #220 (Aug 26, 2019 11:20:29 AM)


 [Last Successful Artifacts](#)













| | | |
|--|----------|--|
|  hss_install.stderr.log | 2.26 KB |  view |
|  hss_install.stdout.log | 94.08 KB |  view |
|  hss_make.stderr.log | 0 B |  view |
|  hss_make.stdout.log | 6.58 KB |  view |
|  hsssec_make.stderr.log | 0 B |  view |
|  hsssec_make.stdout.log | 9.28 KB |  view |



Stage View



 [Build Artifacts](#)

| | | |
|--|----------|--|
|  hss_install.stderr.log | 2.26 KB |  view |
|  hss_install.stdout.log | 94.08 KB |  view |
|  hss_make.stderr.log | 0 B |  view |
|  hss_make.stdout.log | 6.58 KB |  view |
|  hsssec_make.stderr.log | 0 B |  view |
|  hsssec_make.stdout.log | 9.28 KB |  view |

 Started by upstream project [omec_ngic-rtc_combined](#) build number [204](#) originally caused by:

- GitHub pull request #85 of commit 33229fc8e799c6aeb3820e89a4378b8c0009e8f7, no merge conflicts.



This run spent:

- 6.4 sec waiting;
- 6 min 42 sec build duration;
- 6 min 48 sec total from scheduled to completion.



Revision: 43b11c8539ff2f21d024344b67e6b535bddcb3fc

- origin/master



Pipeline omec_c3po_sgx_install


- https://jenkins.opencord.org/job/omec_c3po-sgx_install/185/

Pipeline omec_c3po-sgx_install

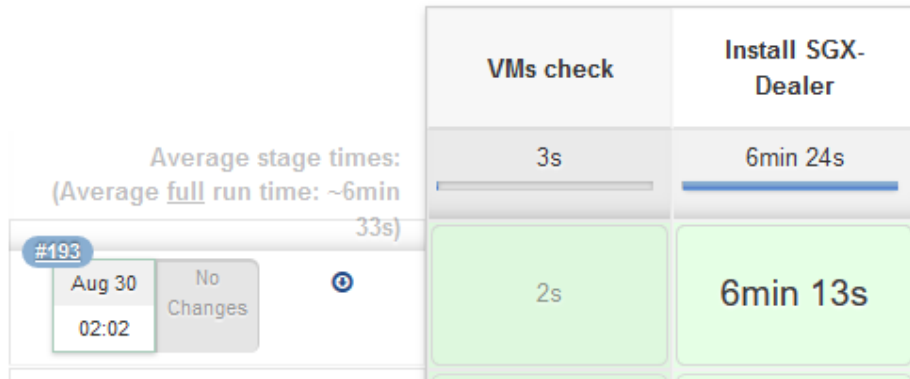
 **Build #185 (Aug 26, 2019 11:20:29 AM)**

Created by omec-install job-template from ci-management/jjb/omec-ci.yaml

 [Last Successful Artifacts](#)
[Expand all](#) [Collapse all](#)
 View

 [Recent Changes](#)

Stage View



[Build Artifacts](#)
[Expand all](#) [Collapse all](#)

 View

 sgx

- ...c3podeps_install.stderr.log
- ...c3podeps_install.stdout.log
- ...cdf_make.stderr.log
- ...cdf_make.stdout.log
- ...ctf_make.stderr.log
- ...ctf_make.stdout.log
- ...dealer_install.stderr.log
- ...dealer_install.stdout.log
- ...dealer_make.stderr.log
- ...dealer_make.stdout.log
- ...kms_install.stderr.log
- ...kms_install.stdout.log
- ...kms_make.stderr.log
- ...kms_make.stdout.log
- ...router_install.stderr.log
- ...router_install.stdout.log
- ...util_make.stderr.log
- ...util_make.stdout.log



Started by upstream project [omec_ngic-rtc_combined](#) build number [204](#) originally caused by:

- GitHub pull request #85 of commit 33229fc8e799c6aeb3820e89a4378b8c0009e8f7, no merge conflicts.

Pipeline omec_openmme_install

- https://jenkins.opencord.org/job/omec_openmme_install/350/

Pipeline omec_openmme_install

Created by omec-install job-template from ci-management/jjb/omec-ci.yaml

Build #350 (Aug 26, 2019 11:20:29 AM)



Last Successful Artifacts

| | | |
|---|----------|----------------------|
| cicd_openmme_install.stderr.log | 0 B | view |
| cicd_openmme_install.stdout.log | 3.33 KB | view |
| cicd_openmme_make.stderr.log | 0 B | view |
| cicd_openmme_make.stdout.log | 26.79 KB | view |



Recent Changes



Build Artifacts

| | | |
|---|----------|----------------------|
| cicd_openmme_install.stderr.log | 0 B | view |
| cicd_openmme_install.stdout.log | 3.33 KB | view |
| cicd_openmme_make.stderr.log | 0 B | view |
| cicd_openmme_make.stdout.log | 26.79 KB | view |



Started by upstream project [omec_ngic-rtc_combined](#) build number [204](#) originally caused by:

- GitHub pull request #85 of commit 33229fc8e799c6aeb3820e89a4378b8c0009e8f7, no merge conflicts.

Stage View

| | | | VMs check | Install MME |
|---|-----------------|------------|-----------|-------------|
| Average stage times: (Average full run time: ~40s) | | | 8s | 26s |
| #358 | Aug 30 02:02 | No Changes | 6s | 26s |
| #357 | Aug 30 01:20 | No Changes | 10s | 27s |



This run spent:

- 6.4 sec waiting;
- 37 sec build duration;
- 43 sec total from scheduled to completion.



Revision: 43b11c8539ff2f21d024344b67e6b535bddcb3fc

- origin/master

Pipeline omec_tc2

- https://jenkins.opencord.org/view/OMEC/job/omec_tc2/

Pipeline omec_tc2

Created by omec-tc2 job-template from ci-management/jjb/omec-ci.yaml

 [edit description](#)

Disable Project



[Last Successful Artifacts](#)

[Expand all](#) [Collapse all](#)

 View



[Recent Changes](#)

Stage View

| | VMs check | c3po-ctf/cdf | c3po-router | c3po-sgxcdr | c3po-hss1 | c3po-mme1 | ZMQ [push/pull] stop | make CP | make DP | run ngic-rtc | check processes | test polaris | test sgx-dp |
|---|-----------|--------------|-------------|-------------|-----------|-----------|----------------------|---------|---------|--------------|-----------------|--------------|-------------|
| Average stage times: (Average full run time: ~10min 26s) | 17s | 11s | 11s | 28s | 19s | 36s | 7s | 5s | 14s | 27s | 9s | 6min 22s | 3s |
| #181 Aug 27 22:20 No Changes | 34s | 15s | 17s | 35s | 24s | 41s | 8s | 6s | 18s | 28s | 11s | 6min 56s | 4s |
| #180 Aug 26 13:38 No Changes | 14s | 9s | 10s | 25s | 18s | 35s | 6s | 5s | 12s | 28s | 9s | 6min 50s | 3s |

Thank You
Q & A