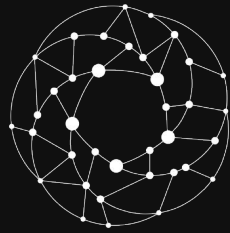


Open Source MANO

OSM Hackfest – Session 10
How to develop in OSM

Eduardo Sousa (Whitestack)



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Main Resources

Resources in the Wiki

- Development Guidelines
[https://osm.etsi.org/wikipub/index.php/Workflow with OSM tools](https://osm.etsi.org/wikipub/index.php/Workflow_with_OSM_tools)
- Developer HowTo
[https://osm.etsi.org/wikipub/index.php/Developer HowTo](https://osm.etsi.org/wikipub/index.php/Developer_HowTo)
- Developer HowTo for RO
[https://osm.etsi.org/wikipub/index.php/Developer HowTo for RO Module](https://osm.etsi.org/wikipub/index.php/Developer_HowTo_for_RO_Module)
- How to upgrade components
[https://osm.etsi.org/wikipub/index.php/How to upgrade the OSM Platform](https://osm.etsi.org/wikipub/index.php/How_to_upgrade_the_OSM_Platform)

Other places you should visit

- Gitweb
<https://osm.etsi.org/gitweb/>
- Gerrit
<https://osm.etsi.org/gerrit/>
- Bugzilla
<https://osm.etsi.org/bugzilla/>

I need help with OSM. What should I do?

- Search the wiki
- Ask in OSM Slack Workspace
https://join.slack.com/t/opensourcemano/shared_invite/enQtMzQ3MzYzNTQ0NDIyLWJkMzRjNDM0MjFjODYzMGQ3ODIzMzJlNTg2ZGI5OTdiZjFiNDMyMzYxMjRjNDU4N2FmNjRjNzY5NTE1MjgzOTQ
- Send an email to the mailing list
OSM_TECH@list.etsi.org

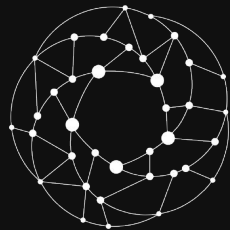
I would like to present something new

- TECH Call (every Thursday at 4PM CET) - General topics
- MON Call (every other Wednesday at 4PM CET) - Monitoring topics
- MARCOM Call (every other Wednesday at 4PM CET) - Marketing OSM

NOTE: MON and MARCOM alternate

- Send an email to the mailing list

OSM_TECH@list.etsi.org



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Developer Workflow

How to contribute

There are multiple ways to contribute

- Writing code
- Writing tests
- Writing documentation
- Helping in Devops
- Helping the MARCOM team
- Creating a PoC

Contribution workflow

1. Clone the repository

```
git clone https://osm.etsi.org/gerrit/osm/NBI.git
```

2. Install the commit-msg hook

```
curl -Lo NBI/.git/hooks/commit-msg http://osm.etsi.org/gerrit/tools/hooks/commit-msg
```

3. Make the hook executable

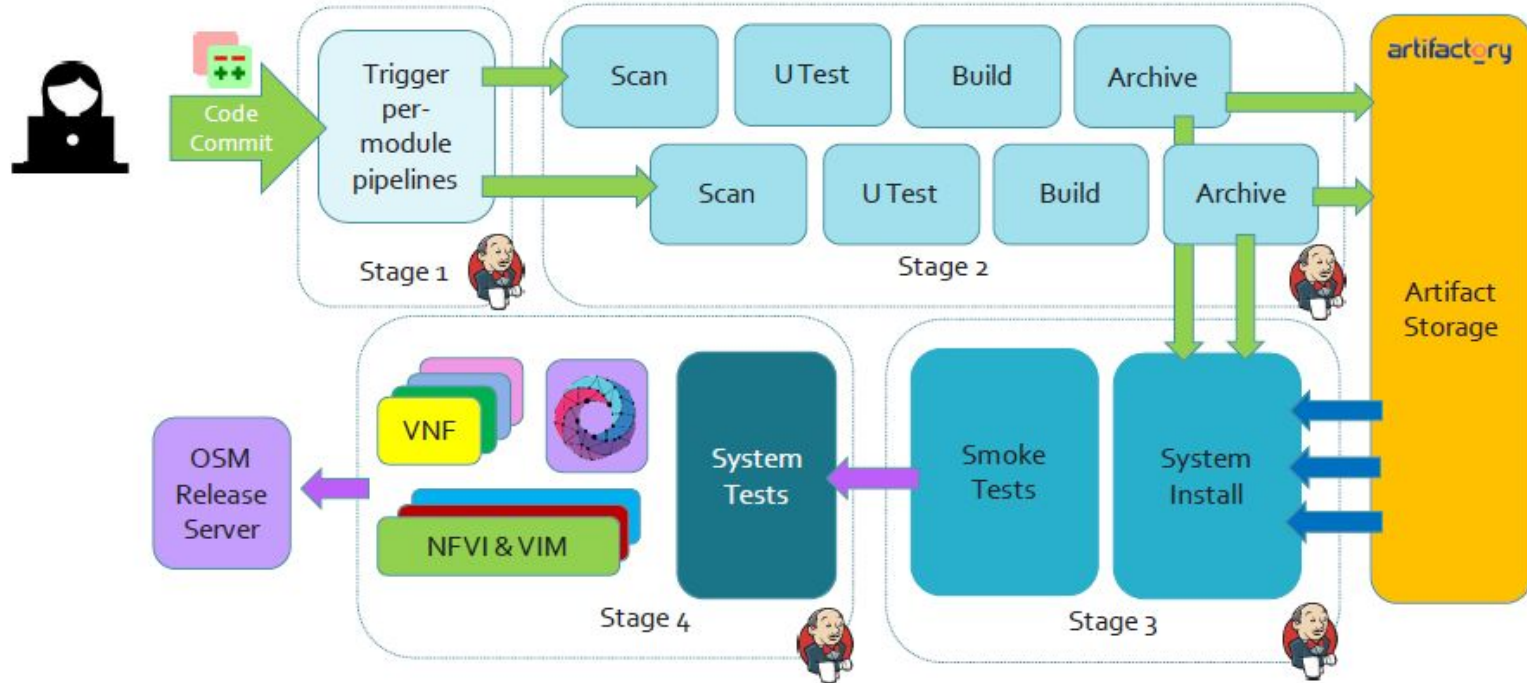
```
chmod u+x NBI/.git/hooks/commit-msg
```

4. Make your changes

Contribution workflow (part 2)

5. Add an Apache 2 license header for your new files
6. Add all the files that are necessary for your contribution
`git add <path_of_file>`
7. Commit your changes
`git commit -s -m "Relevant message in the context of the commit"`
8. Push your changes upstream
`git push origin HEAD:refs/for/master`

CI/CD Pipeline



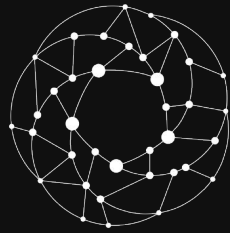
Gerrit and the MDLs

Wait for the MDL to review your commit.

It might yield, one of two outcomes:

- 1) The code is OK and you get +2 in the Code-Review
- 2) The code is not OK and you get -2 in the Code-Review

For case 2), fix the error and push it again and again until the MDL think the code is OK.

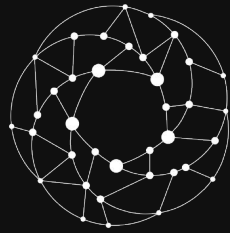


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Extra resources

Remote debugging dockers

<https://davidraleigh.github.io/2017/06/27/Debugging-a-Remote-Docker-Container-with-PyCharm.html>



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The End