OSM Hackfest – Session 10
How to develop in OSM
Eduardo Sousa (Canonical)
Main Resources
Resources in the Wiki

- Development Guidelines
  https://osm.etsi.org/wikipub/index.php/Workflow_with_OSM_tools
- 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
- How to upgrade components
  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/opensourcemanano/shared_invite/enQtMzQ3MzYzNTQ0NDIyLWJkMzRjNDM0MjFjODYzMGQ3ODIzMzjlNjNTg2ZGI5OTdiZjFiNDMyMzYxMjRjNDU4N2FmNjRjNzY5NTE1Mjg5OTQ

- 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

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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
   

3. Make the hook executable
   
   `chmod u+x NBI/.git/hooks/commit-msg`

4. Make your changes
5. Add an Apache 2 license header for your new files

5. 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
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.
Extra resources
Remote debugging dockers

The End