OSM Hackfest – Session 12
How to contribute to OSM

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Main Resources for developers
Resources in the Wiki

- Development Guidelines
- Developer HowTo
- Developer HowTo for RO
- How to upgrade components
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
  https://osm.etsi.org/wikipub/index.php/Main_Page

- Ask in OSM Slack Workspace
  https://join.slack.com/t/opensourcemanano/shared_invite/enQtMzQ3MzQ3MzYzNTQ0NDIyLWJkMzRjNDM0MjJfODYzMGQ3ODIzMzJlNTg2ZGI5OTdiZjFiNDMyMzYxMjRjNDU4N2FmNjRjNzY5NTE1MjgzOTQ

- Send an email to the mailing list
  OSM_TECH@list.etsi.org
I would like to present something new

Attend a regular conf-calls :

- TECH Call - every **Thursday** at 4PM CET – General Technical topics
- DevOps Call – alternate **Wednesdays** at 4PM CET – DevOps and CI/CD Pipeline topics
- SA Call - alternate **Wednesdays** at 4PM CET - Service Assurance, Monitoring and Policy Management topics
- IM Call – alternate **Mondays** at 5PM CET – Information Model Alignment with NFV SOL006
- VNF Onboarding TF Call – alternate **Mondays** 5PM CET – VNF On-boarding Task Force activities
- MARCOM Call – alternate **Wednesday** at 4PM CET – OSM Marketing and Communication topics

**NOTE:** SA and MARCOM coincide

- .. or send an email to the lists : OSM_TECH@list.etsi.org
  OSM_MARCOM@list.etsi.org
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
I want to contribute code

● To contribute code, tests and documentation to the OSM community you need an ETSI OSM account
  https://osm.etsi.org/about/how-to-join

● As an organization:
  ○ ETSI Member
  ○ OSM Participant

● As an individual developer: https://osm.etsi.org/register
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
Contribution workflow (II)

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

6. Check your changes
   `git diff`

7. 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 thinks the code is OK.
Contribute with a Feature Request

To submit a new feature for OSM you need to create a Feature Request

- Check open Features:
  Go to https://osm.etsi.org/gerrit and search for “project:osm/Features status:Open”

- Feature Requests are written using Markdown format and use the following template
New Feature Contribution via Gerrit

1. Go to http://osm.etsi.org/gerrit and click on Projects > List > osm/Features

2. Click on “Create change”

3. Write the branch “master”, put a title and a description and click on “Create”

4. Click on “Edit” and then “Add” to indicate a name for your file

**Important**: The file must be located in the root folder of the repo
New Feature Contribution via Gerrit (II)

5. Click “Open” to open an online editor and paste your feature text there

6. “Save” the changes and “Done Editing”

7. Finally “Publish Edit” to push it to the staging area. Now your feature is available for review

8. Inform the OSM TECH community of the new feature by sending the link to OSM_TECH@list.etsi.org and request feedback & TSC review
Extra resources
Remote debugging dockers

Open Source MANO

Find us at:

osm.etsi.org
osm.etsi.org/wikipub