OSM-MR#9 Hackfest
How to contribute to OSM
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Main Resources for developers
Resources in the Wiki

- Development Guidelines https://osm.etsi.org/docs/user-guide/
- Developer HowTo https://osm.etsi.org/docs/developer-guide/
Other places you should visit

● Gitweb
  https://osm.etsi.org/gitweb/
● Gerrit
  https://osm.etsi.org/gerrit/
● Bugzilla
  https://osm.etsi.org/bugzilla/
● Gitlab
  https://osm.etsi.org/gitlab/
I need help with OSM. What should I do?

- Search the doc
  https://osm.etsi.org/docs
- Ask in OSM Slack Workspace
  https://join.slack.com/t/opensourcemanano/shared_invite/enQtMzQ3MzYzNTQ0NDIyLWJkMzRjNDM0MjFjODYzMGQ3ODIzMzJlNTg2ZGI5OTdiZjFiNDMyMzYxMjRjNDU4N2FmNjRjNzY5NTE1MjgzOTQ
- Send an email to the TECH 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 Fridays at 4PM CET - Service Assurance, Monitoring and Policy Management topics
- MARCOM Call – alternate Wednesday at 4PM CET – OSM Marketing and Communication topics

.. 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](https://osm.etsi.org/about/how-to-join)

- As an organization:
  - ETSI Member
  - OSM Participant

- As an individual developer: [https://osm.etsi.org/register](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

5. Check your changes
   git diff

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"

7. 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
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
Personal Experience
Personal experiences

Fabian Bravo

Frank Bryden

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Find us at:

[osm.etsi.org](osm.etsi.org)
[osm.etsi.org/wikipub](osm.etsi.org/wikipub)