

Apache Nemo (incubating)

Graduation Checklist: Apache Project Maturity Model

Code

CD10

The project produces Open Source software, for distribution to the public at no charge.

YES

The project source code is licensed under the Apache License, version 2.0.

CD20

The project's code is easily discoverable and publicly accessible.

YES

The code is linked in the website and the Github repository

CD30

The code can be built in a reproducible way using widely available standard tools.

YES

The build uses Maven and the instructions are clearly specified.

CD40

The full history of the project's code is available via a source code control system, in a way that allows any released version to be recreated.

YES

Using Git, main repository at <https://github.com/apache/incubator-nemo>. All releases are tagged and specified.

CD50

The provenance of each line of code is established via the source code control system, in a reliable way based on strong authentication of the committer. When third-party contributions are committed, commit messages provide reliable information about the code provenance.

YES

The project uses a git repository, which is managed by Apache Infra. The provenance of each line of code to a committer is ensured. Contributions are accepted in The Apache Way.

Licenses and Copyright

LC10

The code is released under the Apache License, version 2.0.

YES

Source distribution states the license.

LC20

Libraries that are mandatory dependencies of the project's code do not create more restrictions than the Apache License does.

YES

Approved licenses are contained only.

LC30

The libraries mentioned in LC20 are available as Open Source software.

YES

All mandatory dependencies are Category A.

LC40

Committers are bound by an Individual Contributor Agreement (the "[Apache iCLA](#)") that defines which code they are allowed to commit and how they need to identify code that is not their own.

YES

The project uses a repository managed by Apache Infra, where write access requires an Apache account, which requires an ICLA on file.

LC50

The copyright ownership of everything that the project produces is clearly defined and documented.

YES

All files in the source repository have appropriate ASF headers.

Releases

RE10

Releases consist of source code, distributed using standard and open archive formats that are expected to stay readable in the long term.

YES

Source releases are distributed via the Github repository.

RE20

Releases are approved by the project's PMC (see CS10), in order to make them an act of the Foundation.

YES

All incubating releases have been approved by the community and the Apache Incubator.

RE30

Releases are signed and/or distributed along with digests that can be reliably used to validate the downloaded archives.

YES

All releases are signed, and the KEYS file is provided.

RE40

Convenience binaries can be distributed alongside source code but they are not Apache Releases -- they are just a convenience provided with no guarantee.

YES

We acknowledge that convenience binaries provide no guarantee.

RE50

The release process is documented and repeatable to the extent that someone new to the project is able to independently generate the complete set of artifacts required for a release.

The release process is documented in the website.

Quality

QU10

The project is open and honest about the quality of its code. Various levels of quality and maturity for various modules are natural and acceptable as long as they are clearly communicated.

YES

The project records all development activities, discussions on GitHub and JIRA. All discussion happens on the dev@.

QU20

The project puts a very high priority on producing secure software.

YES

Security is a top priority for us.

QU30

The project provides a well-documented, secure and private channel to report security issues, along with a documented way of responding to them.

YES

Documentation: <https://nemo.apache.org/docs/security/>

QU40

The project puts a high priority on backwards compatibility and aims to document any incompatible changes and provide tools and documentation to help users transition to new features.

YES

Each release note documents changes to the APIs.

QU50

The project strives to respond to documented bug reports in a timely manner.

YES

Bug reports in this project are submitted via @dev, Github, and JIRA and are resolved in a timely manner.

Community

CO10

The project has a well-known homepage that points to all the information required to operate according to this maturity model.

YES

<https://nemo.apache.org/>

The project website has all the related information.

CO20

The community welcomes contributions from anyone who acts in good faith and in a respectful manner and adds value to the project.

YES

The community welcomes new contributions.

CO30

Contributions include not only source code, but also documentation, constructive bug reports, constructive discussions, marketing and generally anything that adds value to the project.

YES

The project accepts a wide range of contributions and considers them merits. The project encourages contributors to contribute docs, bug reports, discussions, marketing, etc.

CO40

The community strives to be meritocratic and over time aims to give more rights and responsibilities to contributors who add value to the project.

YES

We strive to be meritocratic and contributors who add value to the project have more rights and responsibilities.

CO50

The way in which contributors can be granted more rights such as commit access or decision power is clearly documented and is the same for all contributors.

The process is clearly documented.

<https://nemo.apache.org/docs/contribute/>

CO60

The community operates based on consensus of its members (see CS10) who have decision power. Dictators, benevolent or not, are not welcome in Apache projects.

YES

We operate based on consensus of the community.

CO70

The project strives to answer user questions in a timely manner.

YES

We actively answer questions asked on dev@, Github, JIRA, etc.

Consensus Building

CS10

The project maintains a public list of its contributors who have decision power -- the project's PMC (Project Management Committee) consists of those contributors.

YES

The public website contains [a list of committers and PPMC members](#)

CS20

Decisions are made by consensus among PMC members and are documented on the project's main communications channel. Community opinions are taken into account but the PMC has the final word if needed.

YES

We make decisions The Apache Way. All important discussions are recorded and publicly accessible.

CS30

Documented voting rules are used to build consensus when discussion is not sufficient.

YES

CS40

In Apache projects, vetoes are only valid for code commits and are justified by a technical explanation, as per the Apache voting rules defined in CS30.

YES

The project uses the standard ASF voting rules. Voting rules are clearly stated before the voting starts for each individual vote.

CS50

All "important" discussions happen asynchronously in written form on the project's main communications channel. Offline, face-to-face or private discussions that affect the project are also documented on that channel.

YES

We value transparency and accessibility of discussions and strive to also document offline discussions.

Independence

IN10

The project is independent from any corporate or organizational influence.

YES

Since incubation the project has broadened the community to include a more diverse set of contributors. We actively seek out new contributions from different corporations and organizations, and encourage committers to collaborate regardless of their backgrounds.

Sample of committers' orgs:

Coupang, Google, Microsoft, Talend, Naver, Qualcomm, Samsung Electronics, Seoul National University, Viva Republica

IN20

Contributors act as themselves as opposed to representatives of a corporation or organization.

YES

The committers and contributors act on their own initiative without representing a corporation or organization.

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References

- Apache project maturity model:
<https://community.apache.org/apache-way/apache-project-maturity-model.html>
- Apache TVM:
<https://docs.google.com/document/d/18nyAH-fcptVezAxPQe6H3FeTKPRkujOp1tc1YRSPLok/edit>