

STATUS

The authors are applying for 'available', 'evaluated-functional', and 'evaluated-reusable' badges.

('Available' Badge)

- The artifact has been placed on a publically accessible archival repository. Particularly, anyone can download the artifact from [Figshare Repository Link](#).
- We provide a public docker image and anyone can download with the following command:

```
$ docker pull josephkim95/etherdiffer:latest
```

- We publically opened our [GitHub Repository](#) which contains all implementation source code.

('Evaluated - Functional' Badge)

- Documentation: The [README.pdf](#) file contains detailed instructions to install and use EtherDiffer.
- Consistency: All the artifact implementation aligns with what is written in the paper.
- Completeness: The artifact contains the complete instructions and resources including source code.
- Exercisability: EtherDiffer can be easily executed once a few dependency packages are installed. The docker image support eases the usage even more.
- Evidence: As explained in [INSTALL.pdf](#), EtherDiffer prints out various validation messages during its execution.

('Evaluated - Reusable' Badge)

- EtherDiffer not only produces deviation results, but also side products useful for other purposes.
- First of all, EtherDiffer generates chain data as well as chain configuration files for each node implementation. Combined together, anyone can directly instantiate a custom chain and conducts other types of research on top of it.
- Also, the generated test cases contain accurate RPC-interaction code with diverse logic, so real-world DApp developers can adopt the generated code in their development.