
Open-Subs Developers Documentation

Release 0.5

Open-Subs

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Open Prime lets' an organization host all its web projects on one machine using [Docker](#). Open Prime helps project committer host their project's live. and development servers. It includes Postgres, Mongo and Redis servers for your backend, wraps your app server with Varnish and Nginx and serves your files from a CDN.

After a simple setup, your servers will be automaticly updated whenever you update your git repository. The system assumes you are using Travis for CI and if you are not, please stop reading this guide and add [Travis](#) to your project.

Contents:

Quick Start

Note: nothing really works yet

First you'll need to get install the *opri* CLI:

```
$ curl -Lo- https://[...] | bash
```

Now create a host for your project:

```
$ opri host <short_name> <repo_url | local_dir> [main_url]
...
```

If you use a `local_dir` *opri* will look for the git config and use the *origin* url as the host's blessed repo.

Next, configure your *.travis.yml* file to fire the update process on success by adding the following lines to the end of your file:

```
notifications:
  webhooks:
    urls:
      - http://opri.hasadna.org.il/events
    on_success: always
    on_failure: never
    on_start: false
```

Commit your changes and you're done. Whenever you push to your *master* or *dev* branches and your tests pass, the host at `<short_name>.hasadna.org.il` or `dev.<short_name>.hasadna.org.il` will be updated.

Development

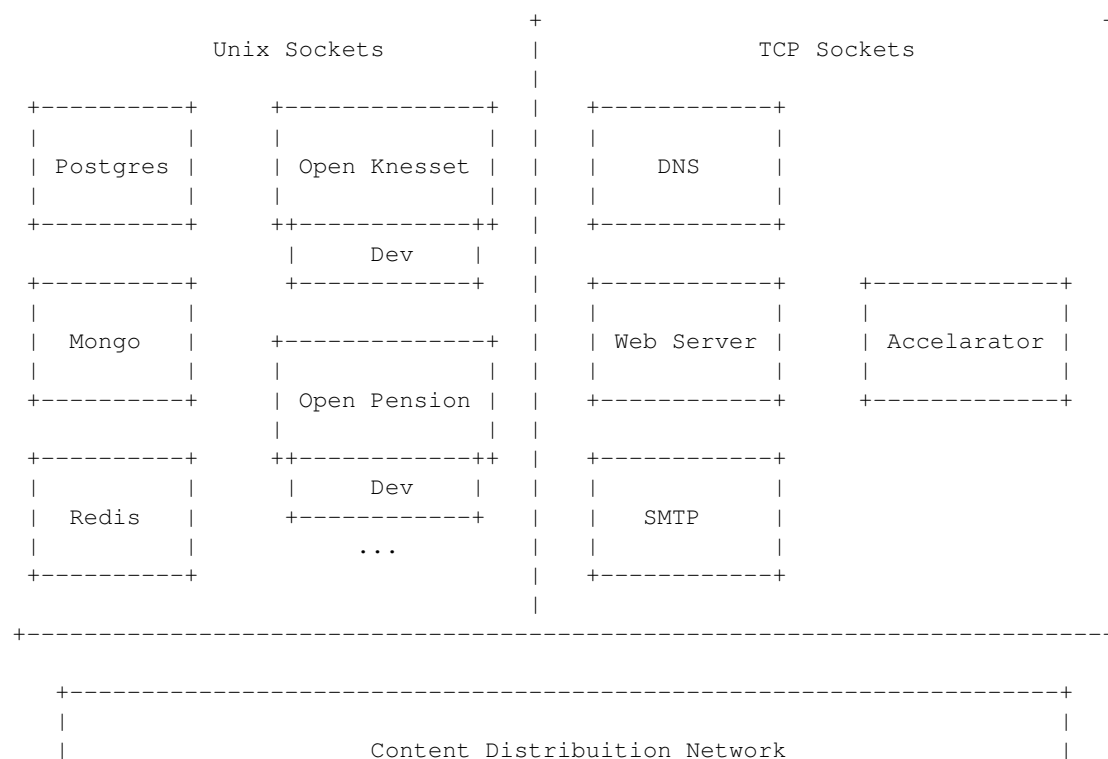
Open Prime lets' an organization host all its web projects in on one machine using [Docker](#) containers.

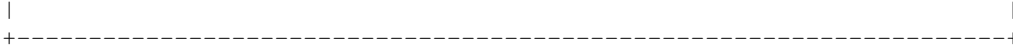
Note: if you're ready to contribute, check out our [board](#).

2.1 Architecture

Open Prime is made from multiple components each contained in a docker. Redundency is achieved through mirroring and clustering of the entire machine. i.e. no need for a DB cluster or for multiple apps serving the same code base.

Each of the eKnights is updated using [Travis Webhooks](#) resulting in a cycle that starts when a committer pushes his code to github, waking up travis and upon success, updating the App server. Prime will watch both the *master* and *dev* branches, updating the appropriate container:





2.2 Monitoring

[supervisord?, logs?]

Research

1. some thought should go into pure data containers, so that database containers are not storing their data directly
2. <https://github.com/joyent/sdc/#smartdatacenter1>
3. <https://github.com/joyent/manta/#manta-object-storage-with-integrated-compute>