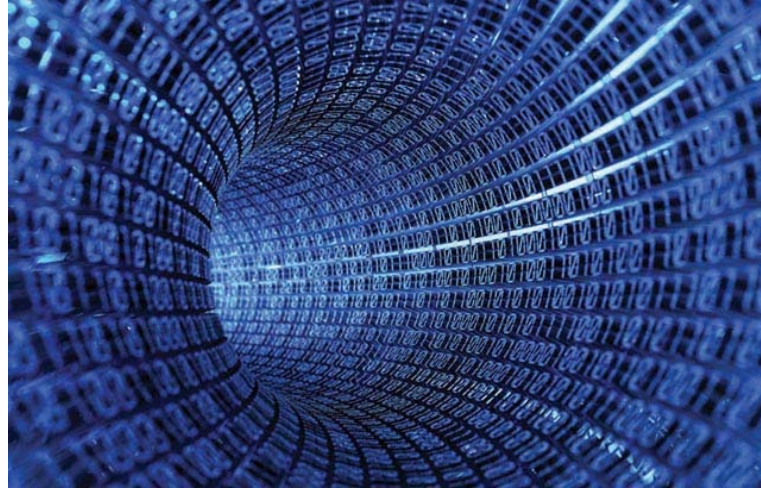
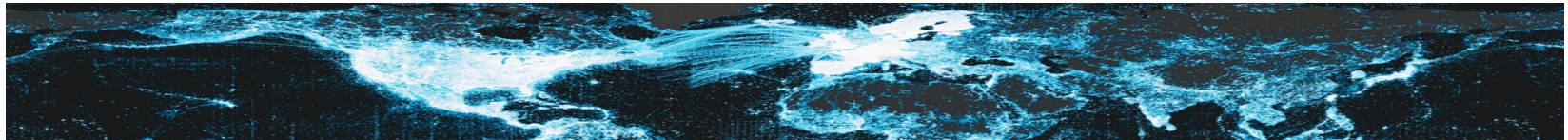


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Swedish Biodiversity Data Infrastructure (SBDI)



Manash Shah, Markus Skyttner, Mathieu Blanchet

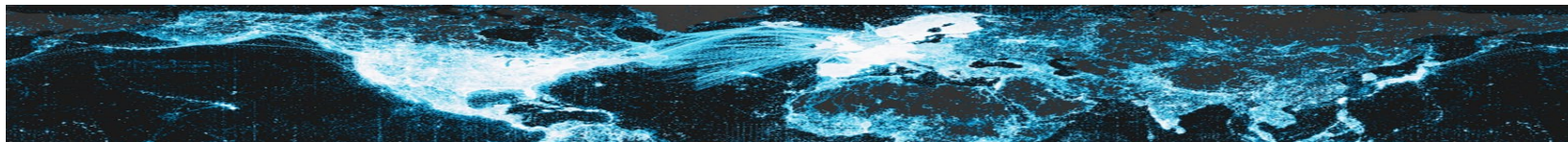


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Swedish Biodiversity Data Infrastructure (SBDI)

Implementation

- Infrastructure as a service (IaaS) from Safespring on SUNET
- Secure data centers within Sweden providing high availability
- Multi host environment on Openstack : Cluster of Docker hosts
- Services deployed as Docker containers in Swarm mode
- Named volumes for persisting data



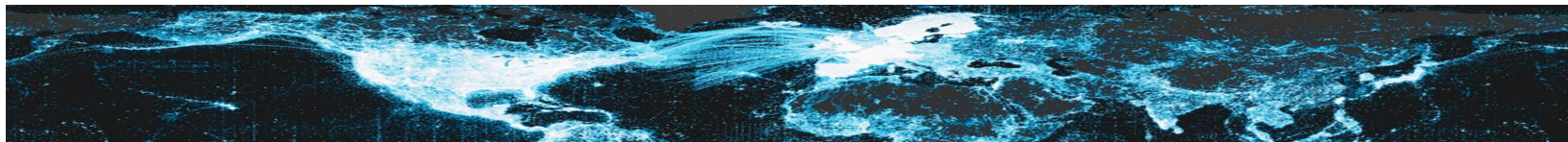
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Build, Install, Configure, Manage

<https://github.com/bioatlas/ala-docker>

- Makefiles to build the components from scratch or to deploy
- Dockerfiles to create docker images of individual components
- External Properties files & Template files to store environment variables and credentials
- Docker Compose / Docker Swarm for service orchestration

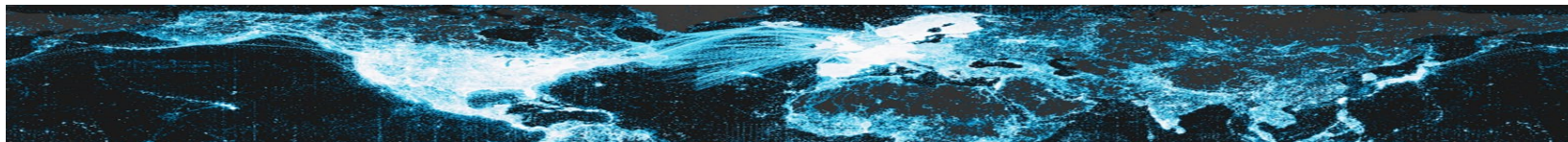


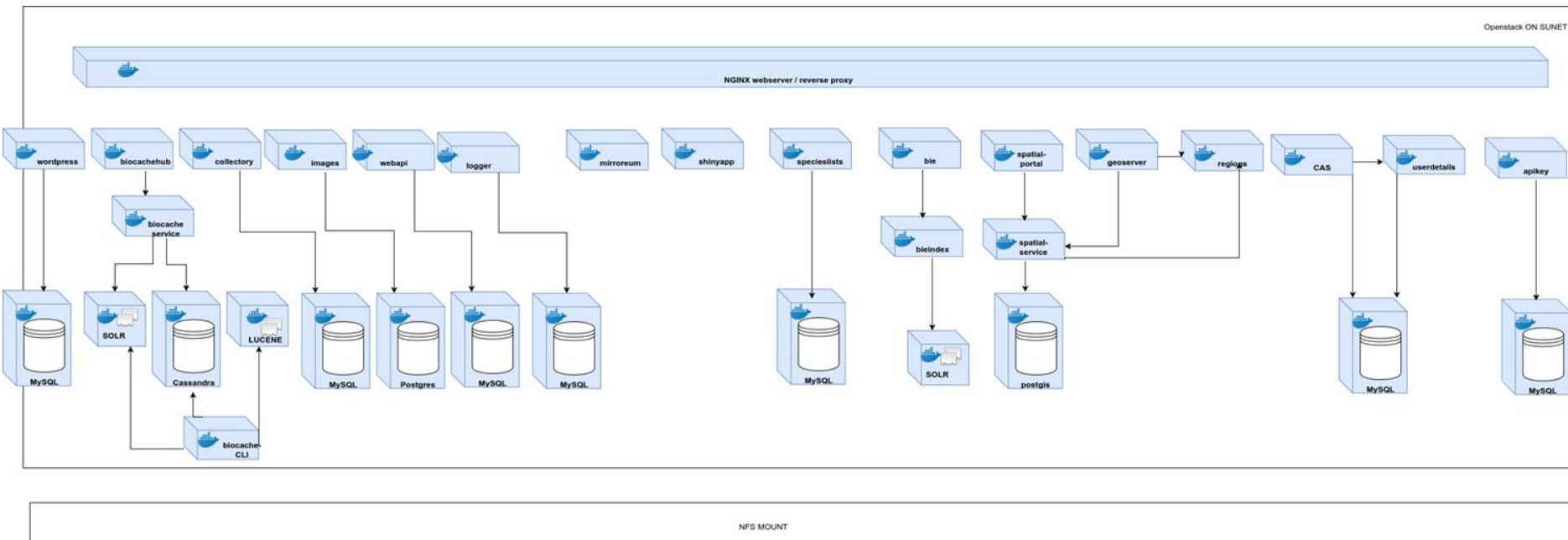
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Swedish Biodiversity Data Infrastructure (SBDI)

Open Development

- Code : <https://github.com/bioatlas>
- Docker Images : <https://hub.docker.com/u/bioatlas/>
- Travis CI for build and release: <https://travis-ci.org/bioatlas/>
- Github Releases for binaries





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Swedish Biodiversity Data Infrastructure (SBDI)

<https://bioatlas.se/>

<https://beta.bioatlas.se/>

