

Experience of deploying BoD service



- BoD is more than a provisioning service, it is a distributed service requiring topology, authentication and monitoring infrastructures.
- GÉANT is a diverse consortium: ~30 NRENs, so while NRENs are interested in deploying dynamic services, differing expectations/needs/demands of service cannot always be easily reconciled.
- Early Autobahn deployments required complex installation steps. This proved to be very error-prone and time consuming. Special attention has been paid to ease of use/installation

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- The AutoBAHN development team has been taking an active role in deployments and maintenance. This has provided feedback which has facilitated rapid resolution of issues.
- Dynamic services present a major reliability scaling challenge. The service is only as good as weakest link in the chain. We rely on all participants to keep service well maintained.

Lessons, challenges and recommendations



- Well maintained/supported BoD installations are important to ensure that service reliability scales. (weakest link problem)
- Proper maintenance of topology information is important as service operation is sensitive to small errors - automate where possible.
- Close involvement by developers in deployment is necessary to ensure good failure / troubleshooting feedback has been repeatedly proven necessary.
- Ensure that software is easy to install
- Ensure strong outreach to users