# Seamless Access Beta Service Deployment Plan

<table>
<thead>
<tr>
<th>Action</th>
<th>Description</th>
<th>Status</th>
<th>Due Date</th>
<th>Assigned to</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service Architecture Documented</td>
<td>Make a reference drawing of service architecture</td>
<td>DONE</td>
<td>Marina, consult with Leif</td>
<td></td>
</tr>
<tr>
<td>Update the requirements for service operations</td>
<td>To reflect the service architecture that was documented</td>
<td>DONE</td>
<td>Marina, consult with Leif</td>
<td></td>
</tr>
<tr>
<td>Deploy beta service</td>
<td>First node deployed by end of November. Docker environment was prepared and remaining nodes deployment should be an easy exercise. Two production nodes in SUNET network are created. Maria to check with Leif on creating the AWS machines.</td>
<td>IN PROGRESS</td>
<td>Maria, Leif</td>
<td></td>
</tr>
<tr>
<td>Definition for the hosting environment firewall capabilities</td>
<td>That will be implemented in all different environment. This becomes part of the service definition for baseline operations.</td>
<td>DONE</td>
<td>Leif</td>
<td></td>
</tr>
<tr>
<td>Prepare the OLA</td>
<td>Marina received the GEANT template OLA <a href="https://docs.google.com/document/d/1vw-V9vRmG5u4Aii-w7aH0Hw5Z9G5M0XcXRqg1x7A4udt">https://docs.google.com/document/d/1vw-V9vRmG5u4Aii-w7aH0Hw5Z9G5M0XcXRqg1x7A4udt</a> Draft OLA prepared: <a href="https://wiki.geant.org/pages/resumedraft.action?draftId=114921107&amp;draftShareId=f423f5ac-a6c2-40a8-8e97-7220f66c07a">https://wiki.geant.org/pages/resumedraft.action?draftId=114921107&amp;draftShareId=f423f5ac-a6c2-40a8-8e97-7220f66c07a</a> Marina created draft, was checked with GEANT ops team. It was shared on 26th Nov with Jonny from sunet noc.</td>
<td>IN PROGRESS</td>
<td>Marina (consult with Jonny)</td>
<td></td>
</tr>
<tr>
<td>Pen testing of the beta service</td>
<td>Agreed with DFN cert that the pen testing will be 3rd week of November. We should let them know about our readiness on first week of November. 2 types of pen testing will be done: no info then full info. First just give the domain. End then we give them the zone file. Talk to heather - report of the audit that was alreday done for the privacy audit. WAYF Cloud and P3W Security &amp; Privacy Recommendations First round done in 28th Nov. Marina Adomeit to arrange with Klaus/dfn cert for the next pen testing round.</td>
<td>IN PROGRESS</td>
<td>Marina via DFN cert (consult Leif, inform Jonny of results)</td>
<td></td>
</tr>
<tr>
<td>Code testing of code that is running as web app</td>
<td>Audit for modern Java Script. Marina is checking with Marcin. There seams to be capability for Java Script testing. Waiting to get info from Leif. Marina Adomeit to check again!</td>
<td>DONE</td>
<td>Marina via Marcin (consult Leif, inform Jonny of results)</td>
<td></td>
</tr>
<tr>
<td>Get budget for the monitoring, and clean up the ops budget</td>
<td>status.io, pingdom.com Marina will prepare the CR from Elena ... use 20 k and move to monitoring and VMs Marina Adomeit to do the budget assignment Marina Adomeit remind Leif to agree which kind of licence we need for those</td>
<td>WP5 leaders approved the 10k budget, need to make the CR First week October</td>
<td>Marina</td>
<td></td>
</tr>
<tr>
<td>Configure internal monitoring</td>
<td>Setup an independent Nagios instance in SUNET. Maria did the most of the work. Some minor things and integration with slack is left over.</td>
<td>DONE</td>
<td>Maria</td>
<td></td>
</tr>
<tr>
<td>Organise purchase of supporting services</td>
<td>status.io pingdom.com CDN Marina Adomeit to talk to Nicole to do the PO for this</td>
<td>DONE for status.io and pingdom.com NOT STARTED for CDN</td>
<td>Marina to initiate via Task 3</td>
<td></td>
</tr>
<tr>
<td>Configure external monitoring</td>
<td>Nagios - done!, integration in slack in progress status.io - Pingdom - Once licence is available move to the licensed instance</td>
<td>DONE</td>
<td>Maria</td>
<td></td>
</tr>
<tr>
<td>Prepare the financial consumption reporting</td>
<td></td>
<td></td>
<td>when all supporting services are purchased Marina</td>
<td></td>
</tr>
<tr>
<td>Prepare the ops reporting</td>
<td>Marina regular checks with Maria, every Friday 12:00</td>
<td>DONE</td>
<td>Marina</td>
<td></td>
</tr>
</tbody>
</table>
### Check the GDPR
User never touches any of the nodes that are maintained by seamless access.org. The only interaction point is the CDN. Their privacy policy and DPA should be checked!!

**Technology compliance**

Document the data flow for Seamless Access [https://docs.google.com/presentation/d/1emWoyTni8fMRC8Ch7HgYiiHraJH0Z0-770BFX_eRdKLupu-sharing](https://docs.google.com/presentation/d/1emWoyTni8fMRC8Ch7HgYiiHraJH0Z0-770BFX_eRdKLupu-sharing)

Based on the data flow, Magdalena can review the GDPR external audit on privacy statements - in 2020 as service proves viable

![DONE](https://docs.google.com/uc?export=mn&id=1emWoyTni8fMRC8Ch7HgYiiHraJH0Z0-770BFX_eRdKLupu-sharing)

**Magdalena via GEANT project GDPR**

![Leif, Marina to connect Leif to Magdalena](https://docs.google.com/uc?export=mn&id=1emWoyTni8fMRC8Ch7HgYiiHraJH0Z0-770BFX_eRdKLupu-sharing)

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### Check the IPR
Leif needs to put the SUNET licence and check the libraries

Magdalena organised code scanning for the libraries used and on 06.12.2019 confirmed all is in order:

```
Regarding scanning of the code provided [https://github.com/TheIdentitySelector](https://github.com/TheIdentitySelector) source/binary files there were 3 licences detected (MIT licences) – as this is permissive licence, there are no further issues with it.
```

**Marina Adomeit**

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### Configuration change, Release management, Regular updates process
Define the configuration change process. Should be reflected in the OLA. Have in mind other ops regions

**Marina Adomeit to start writing this!**

**Seamless Access Change Management Process**

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### Support process
Define who the support process flow, the actors etc. Should be reflected in the OLA. Have in mind other ops regions.

**IN PROGRESS**

**Marina (consult with Jonny)**

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### Service on boarding process

**IN PROGRESS**

**Marina to take up with Heather**

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### Formulate the L3 support

**IN PROGRESS**

**Marina to take up with Heather**

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### Service operations definition

**NOT STARTED**

**Marina and Maria, consult with Leif, Tech Sterring group for approval.**

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### For service production move all service components to stable environment

- Install new nodes in the AWS infrastructure - Planned for May 2020. – delayed to June/July 2020 (Maria will do the first one, and Berra will do the second one) **DONE**
- Add api key auth servers to each node. Update the diagram. Waiting for Leif to finish development.
- Handover to SUNET NDC and engaging Erik in the SA engineering - Maria sent email to Jonny 24 April 2020. – in progress
- Move of DNS to a service that is served from multiple AS domains and that has global presence. Agreed to move to novacloud service, which costs approx 20€ per month. SUNET NDC will be able to admin this through an UI. We need to this setup of frobit. We will use wubi same way we do for Sweden connect. Leif will do this - couple of weeks to finish this. aim to do this till and of October 2020. Enable 2 factor. Erik and Maria to figure out how to add Id - everybody who should access it to create identities with MFA. Leif will talk to frobit. Erik/Maria and Leif will have access.

**Marina Adomeit**

- Move away from serving origin service from the github pages. Agreed to serve origin from our own infrastructure, to build origin as docker container, and to serve it from each MD node as well. Start work in this in June 2020. One container per site is enough, redundancy is not necessary as it is static html. Create an A record for all those dressess and use this as origin,"this.org" ? Build mechanism for this contained exists in ??. We need to build orchestrations for the container, puppet, environment variable. Whitelist we can stick in yam file.
- Who develops puppet manifest - Leif will give instruction and Berra/Maria will do it
- Couple of weeks, spin up a bunch of VM prepare everything.
- Fastly will be used for load balancing - we can switch in parallel with GitHub pages. Add one by one in faulty by adding weight. Fastly can monitor backends - we can define a service test that looks at the manifest version. First change at least one backend, change test, and then change all other backends.
- Deploying will be easy.

**Marina Adomeit**

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### Handover to Noc

**OLA review - in progress**

**Change management - in process**

**Monitoring:**

- add monitors to nagios xi - metadata freshness (done), thiss.js validity (needs feature requests), all security and os updates are done
- change Marias account to generic SUNET NOC for pingdom and status.io
- update monitoring documentation in the geant wiki

**Finalize move of the DNS**

**Define test procedure for the Change management process**

**Add the escalation paths for the TTP**

**Limit access to geant wiki...**

**Add references in sunet ops wiki to geant wiki**

**Other documentation missing:**

- add description to deployment guide of how the rollback procedure is done
- Document what is function of each server - who has access to them, how to troubleshoot and to test. This needs to be documented in the geant wiki.
Marina Adomeit to enable that Heather can cover when on vacation for deployment - enable heather to publish the maintenance ...

Marina Adomeit registration process - look at the airtable and registration form

- Internationalisation in searching - when we index metadata only English language strings are indexed. This adds multi-language capability for name and description. It doesn't change name displayed - that is next version - it at least allows searches.
- Announce for beta in few days and production in 10 days ...

Other ideas: talk to Leif about moving away from SSL/TLS certificates provided by Fastly to our own?