This page will track our test plans for S3P functionality (if applicable). When successful, we will update the Release Planning wiki on our status: Beijing

Release Platform Maturity

<table>
<thead>
<tr>
<th>Area</th>
<th>Actual Level</th>
<th>Targeted Level for current Release</th>
<th>How, Evidences</th>
<th>Comments</th>
</tr>
</thead>
</table>
| Performance | 0            | 1                                  | AAI has not done performance testing in OOM environment, yet, plans to implement in TLAB. | • 0 – none  
• 1 – baseline performance criteria identified and measured  
• 2 & 3 – performance improvement plans created & implemented |
|          |              |                                    | [AAI-1145](https://jenkins.onap.org/view/CSIT/job/aai-master-verify-csit-resources/) Measure baseline AAI performance in TLAB |                                                                                                    |
|          |              |                                    | HEAT based test results                                                       |                                                                                                    |
| Stability | 1            | 1                                  | CSIT tests show the stability of the components - [https://jenkins.onap.org/view/CSIT/job/aai-master-verify-csit-resources/](https://jenkins.onap.org/view/CSIT/job/aai-master-verify-csit-resources/)  
Heat and OOM deployments have the instances running for more than 72 hours - [https://jenkins.onap.org/view/External%20Labs/](https://jenkins.onap.org/view/External%20Labs/) | • 0 – none  
• 1 – 72 hours component level soak w/random transactions  
• 2 – 72 hours platform level soak w/random transactions  
• 3 – 6 months track record of reduced defect rate |
<table>
<thead>
<tr>
<th>Resiliency</th>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrated with OOM which allows for automated detection and recovery in a single site.</td>
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</tbody>
</table>

```bash
root@c571:~# kubectl -n onap get pods | grep aai
```

```
dev-aai-7c4898f44f-qf4xh                                          1/1       Running            6          2h
dev-aai-babel-789f9d97bd-77d7r                                    2/2       Running            0          2h
dev-aai-cassandra-0                                               1/1       Running            0          2h
dev-aai-cassandra-1                                               1/1       Running            0          2h
dev-aai-cassandra-2                                               1/1       Running            0          2h
dev-aai-champ-58bfcdc445-p9nph                                     1/1       Running            0          2h
dev-aai-data-router-6f9ff67d68-plf4m                               1/1       Running            0          2h
dev-aai-elasticsearch-548b68c46f-j9b9g                             1/1       Running            0          2h
dev-aai-gizmo-796b95f5c5-get2m                                     2/2       Running            0          2h
dev-aai-hbase-868f949597-s8l7p                                    1/1       Running            0          2h
dev-aai-modelloader-84b77ffb54-pxzss                              2/2       Running            0          2h
dev-aai-resources-894667dd8-rkprw                                 2/2       Running            0          2h
dev-aai-search-data-6cbe65f459-mpxf                               2/2       Running            0          2h
dev-aai-sparky-be-576bbb99fd-j972w                                 2/2       Running            0          2h
dev-aai-traversal-9bffe7b6-fdr7t                                  2/2       Running            0          2h
```

- 0 – none
- 1 – manual failure and recovery (< 30 minutes)
- 2 – automated detection and recovery (single site)
- 3 – automated detection and recovery (geo redundancy)
<table>
<thead>
<tr>
<th>Security</th>
<th>0</th>
<th>1</th>
<th>CII Badging:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>AAI Core:</td>
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<td>AAI ESR:</td>
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<td>Sparky-fe:</td>
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<td>AAI UI:</td>
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<td></td>
<td>Model loader:</td>
</tr>
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<td>[ ]</td>
</tr>
</tbody>
</table>

>50% Test Coverage:

- aai line coverage is greater than 50% -
- aai-common sonar
- aai-babel sonar
- aai-champ sonar
- aai-data-router sonar
- aai-ier-server sonar
- aai-event-client sonar
- aai-gizmo sonar
- aai-logging-service sonar
- aai-resources sonar
- aai-rest-client sonar
- aai-router-core sonar
- aai-search-data-service sonar
- aai-sparky-fe sonar
- aai-traversal sonar

AAI Platform Security/Vulnerability Threats

<table>
<thead>
<tr>
<th>Scalability</th>
<th>0</th>
<th>1</th>
<th>Integrated with OOM:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>[ ] AAI-539 - Set up Cassandra docker images in 3 node cluster [CLOSED]</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>[ ] AAI-15 - OOM Integration [CLOSED]</td>
</tr>
</tbody>
</table>

AAI Platform Security/Vulnerability Threats:

- 0 – none
- 1 – CII Passing badge + 50% Test Coverage
- 2 – CII Silver badge; internal communication encrypted; role-based access control and authorization for all calls
- 3 – CII Gold

Scalability:

- 0 – no ability to scale
- 1 – single site horizontal scaling
- 2 – geographic scaling
- 3 – scaling across multiple ONAP instances
<table>
<thead>
<tr>
<th>Manageability</th>
<th>Usability</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**Logging with EELF and filebeat in OOM, AAI can be instantiated in < 1 hr**

```
root@rancher:~# kubectl -n onap get pods | grep aai
```

```
dev-aai-7c4b89f44f-qf4xh     1
/1     Running    6     2h

dev-aai-babel-789f9d97bd-77d7r     2/2
Running     0     2h

dev-aai-cassandra-0     1
/1     Running    0     2h

dev-aai-cassandra-1     1
/1     Running    0     2h

dev-aai-cassandra-2     1
/1     Running    0     2h

dev-aai-champ-58bfcdc445-ps9mph     1/1
Running     0     2h

dev-aai-data-router-6f9ff67d68-plf4m     1/1
Running     0     2h

dev-aai-elasticsearch-548b68c46f-j9b9g     1/1
Running     0     2h

dev-aai-gizmo-796b95f5c5-get2m     2/2
Running     0     2h

dev-aai-hbase-868f949597-s8l7p     1/1
Running     0     2h

dev-aai-modelloader-84b77ff5b4-pxzss     2/2
Running     0     2h

dev-aai-resources-894667dd8-rkprw     2/2
Running     0     2h

dev-aai-search-data-6c6bc65f459-mphxf     2/2
Running     0     2h

dev-aai-sparky-be-576bbb99fd-j972w     2/2
Running     0     2h

dev-aai-traversal-9bfcf7b6-fdr7t     2/2
Running     0     2h
```

• 1 – single logging system across components; instantiation in < 1 hour
• 2 – ability to upgrade a single component; tracing across components; externalized configuration management

**Usability**

1. User guide; deployment documentation; API documentation
2. UI consistency; usability testing; tutorial documentation