2020-04-29 AAI Meeting Notes

Attachments (including meeting recording):

Attendees:

James Forsyth

Chris Andre

Venkata Harish Kajur

Igor Dysko

@Ondrej Frindrich

Neil Derraugh

@Rodrigo Lima

Vlastimil Starec

@William LaMont

Srinivasan Ramanathan

Himesh Shukla

Shirley Morgan

Status	OPEN	IN PROGRESS	ON HOLD	DONE	CANCELLED

START RECORDING

1		Requirements for inclusion of Graph Graph in Guil in release			List goes here Open Jira tickets as tasks for G release

2		Document AAI repo and microservice descriptions	Ondrej		Put the link here for the document; we will share with the community and solicit feedback from repo/mS owners about the document.
3		Frankfurt Defects			Key: AAI-3100 | Summary: AAI REST API concurrency bug | T: Bug | Created: Jul 30, 2020 | Updated: Aug 05, 2020 | Due: | Assignee: Unassigned | Reporter: None | P: = | Status: OPEN 1 issue
4		SOTN NI use case	Shashikanth VH		https://gerrit.onap.org/r/c/aai/schema-service/+/102298
5		Service model and schema impact	Benjamin Cheung		
6		Security Requirements for pods	James Forsyth		REQ-215 - Containers configured per secure recommendation TO DO
7			Ondrej Fridrich	OPEN	Graphgraph not included in OOM deployment. How can we make it an essential part of the ONAP deployment. Step 0: Make it stable. Fix the docker build Jenkins jobs for graphgraph, may need to upgrade to a version of npm to be acceptable to graphgraph. Needs to fit into the LF glob

8			Fed from Verizon	OPEN	How do we accelerate migration using A&AI and the RunTime DB solution **Proposed a topic to be explored by AI&I and other ONAP WGs.** **High impact, common interest among most CSPs** **Status Quo:** **Most operators have multiple, siloed, possibly overlapping topology and inventory (domain specific) databases** **Goal is to integrate ALL Inventory, and Topology databases into a Unified AI&I Architecture modeled DB which would contain ALL VNFs (VMs/Containers), PNFs, pl expansion for future Inventory & Topology constructs/technologies.** **May take considerable time/investment (both are short).** **Targeted Objectives** • **Fast integration/consolidation time** • **Minimize impact to business systems during migration** • **Reduce throw away code** • **Reduce throw away integration work** • **Improve Service/Resource LCM & SA, especially for 5G** **How to accelerate the migration to Unified Database?** • ***Phased Externalization* of key PNF/VNF/CNF attributes currently stored in multiple inventory and topology silos.** • **Simplify the eventual consolidation of Inventory and Topology DBs using proposed automation tools and advanced discovery capabilities supporting the ab** • **Leverage AI&I and possibly the ONAP Runtime Config DB and other ONAP WGs to help solve the problem** • **Proposed topic can be explored by the AI&I and other ONAP WGs.** • ***Need to expand this preliminary list***
9		Sonar coverage report	James Forsyth	DONE	https://sonarcloud.io/organizations/onap/projects ~~AAI-2793~~ - Switch to jacoco xml from exec CLOSED James Forsyth, the main reason behind these discrepancies is the fact that SonarQube is based on version 6.7.1 and SonarCoud is version 8+ After migrating to SonarCloud, we fetch updates they do automatically without the need of doing any manual upgrade. Since we migrated, few things have changed. For exampl • LF does no longer mark warnings in the reports, only pass or fail • LF is no longer able to manage individual quality profiles per language. Whatever latest support is there, we fetch this automatically in our side. • Jacoco plugin has changed quite a bit, we need to make sure our reports are now xml based instead of exec. I think this can be the main reason why you are facing cove please check? This is what Sonar mentioned to me in detail: ◦ https://community.sonarsource.com/t/sonar-coverage-dropping-to-0-for-some-projects/18521/2 You can find more info in the wiki :https://wiki.onap.org/display/DW/SonarCloud+migration+from+SonarQube Update 19 Feb: All Fixed except: aai-sparky-be, aai-esr-server and aai-validation. Jimmy is working on them.
10		Looking for volunteer to fix papyrus issue		OPEN	~~AAI-2771~~ - Graphgraph cannot build Papyrus XMI from v19 schema CLOSED Graphgraph doesn't parse the latest AAI schema correctly. Need someone to investigate
11		Spring boot upgrade issue		DONE	~~AAI-2528~~ - [aai-common] Update to spring-boot 2 CLOSED ~~AAI-2769~~ - [aai-common] Two Spring Beans with Same Name CLOSED 2 Spring beans with the same name is disallowed in Spring boot 2

12		sparky and data-router certificate issue	Francis Paquette	IN PROGRESS	Sparky is using the AAF certificate interaction with Portal but a self-signed certificate to talk to search-data-service. The search-data-service key story was removed. ~~AAI-2765~~ - Sparky cannot communicate with search-data-service (certificate issue) CLOSED ~~AAI-2766~~ - Data-Router cannot communicate with dmaap (certificate issue) CLOSED
13		Collab efforts	James Forsyth Giulio Grazaiani Kuldeep Negi Ranvijay Singh	IN PROGRESS	
14		Windriver Lab Change	James Forsyth	DONE	The Intel/Wind River lab was relocated into a new data center last week. The only change required to connect to the new location is to update the VPN IP in the .ovpn file. Her [sgooch@atl-sgooch-lx ~]$ diff -u pod-onap-01.ovpn.org pod-onap-01.ovpn --- pod-onap-01.ovpn.org 2020-01-13 13:03:03.960856010 -0500 +++ pod-onap-01.ovpn 2020-01-09 18:27:03.560549576 -0500 @@ -5,7 +5,7 @@ client dev tun proto tcp -remote 192.55.48.241 443 +remote 146.152.204.133 443 resolv-retry infinite auth-nocache nobind
15		Discuss developers call time	James Forsyth	DONE	Tuesdays @ 9 AM US/Eastern, 19:30 India Standard Time
16		SO query in AAI	Shashikanth VH	DONE	NNI Use Case - discovering 2 topologies from the network Use case is asking for the ability in AAI to link an underlay and overlay together by having a cousin relationship between 2 PNFs. Asking Chandra Cinthalato verify if that edge i the Frankfurt release. Per Chandra: "I think pnf -> pnf edge is redundant and not needed as we can traverse (thru a logical or physical interface) from pnf -> p-interface/l-interface -> pnf." ☐ Shashikanth VH will let the AAI team know if that solves the problem Chandra Cinthala please note: According to Shashikanth VH, the team requires a relationship from an overlay topology node to an underlay topology node; by using the p-inter cannot traverse to underlay node. Suggest to allow an edge for PNFPNF, which is consistent with RFC 8345 model

17		Search guard issue	Giulio Grazaiani	ON HOLD	Merged and released yesterday; issue is closed. AAI-2617 - Search guard is no longer available CLOSED Tracking for Frankfurt: AAI-2677 - Jira project doesn't exist or you don't have permission to view it. Search guard container no longer available so elasticsearch-sg won't build. Search guard allows us to secure the elastic communication, which in older versions was not availa have support for secure communication. https://www.elastic.co/blog/dear-search-guard-users Consider opendistro as replacement for search-guard Can we consider this one: https://docs.search-guard.com/latest/search-guard-community-edition
18		E2E Network Slicing	LINMENG	DONE	For the E2E Network Slicing use case for Frankfurt Release, we intend to leverage the nested service model work that has been going on since Dublin release. From A&AI pers that the schemas would have to be enhanced to cover network slicing models. We have considered A&AI to be a stretch goal for Frankfurt, though we are committing resources start the discussion in the coming weeks, and subsequently implementation work to try our best to complete the implementation for Frankfurt. AAI-2600 has been created just to impacts, we will update it with more details, and also join the A&AI weekly call during the next 1-2 weeks to discuss further.
19		PortalSDKUpgrade	JamesForsyth	IN PROGRESS	~~AAI-2726~~ - Update to Portal SDK v2.6 CLOSED Francis Paquette need evaluation of feasibility in Frankfurt for sparky
20		Graph Graph Image Missing in Nexus	VenkataHarishKajur	OPEN	Graph Graph Images are missing from nexus and it needs to be resolved in order for elalto deployment to be successful. OOM-2161 How did this docker image get pushed to nexus and why was it removed from nexus? Graphgraph was removed from the default helm chart, but we still need to get these jobs fixed. James Forsythwill look at it and ask Pavel Paroulekfor guidance on this - looks like some jjbs are missing and configs are probably wrong, too. Ondrej Frindrich will reach out to Pavel and see if we can figure out why the build and stage jobs are failing.
21		Data-router not starting	JamesForsyth	IN PROGRESS	Assigned ~~AAI-2727~~ - aai-data-router not starting after a fresh installation CLOSED to Steven Blimkie ~~AAI-2730~~ - Upversion to master staging versions in aai/oom CLOSED
22		Cassandra 3	JamesForsyth VenkataHarishKajur	DONE	SDC wants to move up to Cassandra 3 in the shared db environment. ~~AAI-2731~~ - Cassandra 3 Upgrades CLOSED https://old-docs.janusgraph.org/0.3.2/version-compat.html

23		Java 11	James Forsyth	ON HOLD	Venkata Harish Kajur tried schema service, a couple of dependency changes were required to get it to start. Eclipselink that is currently configured is incompatible. <groupId>javax.activation</groupId> <artifactId>activation</artifactId> is also incompatible Needs more investigation for other repos Need new common image (which Alpine image would we pick?)
24		AAI UI Issue	Ranvijay Singh		
25		AAI Committers			☐ James Forsythwill ask Catherine Lefèvreabout the status of a committer who has left the company (Tian Lee has left Amdocs, do we revoke committer status?) Peng He is a potential committer on ESR (currently only Jimmy can commit ESR code)
26		Code Test Coverage	James Forsyth		Goal for Frankfurt is 55% AAI-Common 58.7 AAI-Champ 58.3 AAI-DataRouter 58 AAI-GraphAdmin 56.6 Schema Service 56.7 Sparky 57.3 Spike 56.3 ☑ Steven Blimkie will check with architects around the utility of champ and spike in the context of ongoing support in ONAP ☐ James Forsyth will set them to read-only (gizmo, champ, spike) and El Alto will be the final release version of those microservices ☑ ~~AAI-2732~~ - Lock gizmo/champ/ ☐ James Forsyth will remove the jenkins jobs on those repos ☑ ~~AAI-2733~~ - Remove jjb on gizmo/champ/spike CLOSED sparky-fe ☑ ~~AAI-2711~~ - Look at sparky-fe sonar report CLOSED graphgraph ~~AAI-2713~~ - Sonar coverage report for graphgraph shows up but showing 0% coverage CLOSED

27		Upcoming R6 Functional Requirements	Benjamin Cheung	IN PROGRESS	Release 6 (Frankfurt) proposed use cases and functional requirements Use Case Realization Call: September 25, 2019 ~~AAI-2600~~ - A&AI support of Network Slicing Demo in Frankfurt CLOSED ? Unknown Attachment We have created *REQ-158* - for this use case. For AAI impacts, we have created *AAI-2600 - A&AI support of Network Frankfurt*.Reg. details of the AAI impacts, this is still being worked out, as there is an alternative proposal, and we are trying to align w.r.to scope & impacts. We will share more days. The overall use case will also be presented to the Architecture Sub-committee for approval (based on the f2f discussions that happened in Antwerp 2 weeks ago). ~~AAI-2670~~ - AAI changes in support of 5G/OOF SON (PCI) CLOSED ☑ James Forsyth No status yet, will ask on UCR call today ~~AAI-2671~~ - AAI changes in support of BBS CLOSED We are currently reviewing the list of items we found in the BBWF BBS testing and once we sort through them we will communicate the results back to ONAP community. Regarding AAI specifically, we do not foresee any new requirements for Frankfurt, but we would like to conclude the review first before jumping to final conclusions. ~~AAI-2672~~ - AAI changes in support of HPA Continuation CLOSED ☑ James Forsyth No status yet, will ask on UCR call today. Followed up, no representation from use case. Will look for response via email. ~~AAI-2673~~ - AAI changes in support of K8S Based Cloud Region Support CLOSED We are not expecting any changes at this time. Tech Mahindra is working on populating a&ai with the VNF specific information from K8S. There is a chance that we realize som schema, but we don't expect any changes to the code. ~~AAI-2674~~ - AAI Changes for 3rd Party Operational Domain Manager CLOSED During run-time solution there are AAI impacts. Run-time solution is not planned for Frankfurt release. Only Import Service Catalog solution in SDC is targeted for F release. AAI Impact highlights: After Service Order decomposition in SO, CFS Service Instance details will be stored in AAI. After response from 3^rd^ Party Domain, RFS instance details will be updated in AAI. The sequence diagram blocked URL depicts the run time view of Third Party Order Activation using the on-boarded service definition and highlights AAI impacts. ReUse in AAI: We plan to leverage the SPPartner model, created for CCVPN, to store the 3^rd^ Party details in AAI. org.onap.aai.domain.yang.SpPartner present in aai-schema v15 ☑ James Forsyth Confirm on UCR call that this is object re-use and test only support from AAI ~~AAI-2623~~ - CCVPN: MDONS Use Case in Frankfurt CLOSED Have done some prototyping in Dublin to ingest topology from external controllers and show them in A&AI. Will need more work to act on notifications from controllers and keep ~~AAI-2678~~ - 5G / Bulk PM CLOSED For the 5G Bulk PM use case in R6, I'm attaching a few slides showing how we think AAI can be used as part of the UC realization. We are currently making the following assur • PNF and VNF models contain status attribute that can indicate when a new instance has been fully instantiated (may still require update to SO workflow) • AAI will send topology event on AAI-EVENT topic when status attributes are updated Can you review the slides and the assumptions above and let us know if you see any issue. We can also setup a separate meeting if needed. Note: I will share the same slides on the SO weekly meeting today. ? Unknown Attachment Frankfurt Release Requirements ☑ James Forsyth Follow up on URC call today

28		Migration	Ankit Bhatt	IN PROGRESS	What is the purpose of **MigrateCloudRegionUpgradeCycle** migrator in onap graphadmin migration framework? ☑ Need William LaMont to check on this by 23 Oct 2019 From Casablanca to Dublin, should these be run? • v14/MigrateMissingFqdnOnPservers • v13/MigrateVnfcModelInvariantId • v13/MigrateModelVer Migration will check if it's already been run, and won't run again. Jira task created to track this: AAI-2689
29		API	Ranvijay Singh		Questions regarding how to use the api AAI Graphical User Interface Sparky Running on Node Port: 30220 AAI Schema Service AAI Schema Service Use Case Proposals
30		AAF/AAI data preload	Francis Paquette Reneal Rogers	IN PROGRESS	Status on ☑ ~~AAI-2475~~ - [sparky] Add AAF bootstrap data for AAUI CLOSED ~~AAF-986~~ - Add AAI ui_view role to AAF CLOSED
31		NexusIQ	James Forsyth	IN PROGRESS	Pain, pain, pain. 218 items that must be documented currently across the AAI repos, expanding all the time. 1) We need a repo strategy 2) We need a maintenance strategy 3) We need a versioning strategy 4) We need responsible parties for each repo / component 5) Strategy for oparent dependency management
32		ESR	James Forsyth Bo Lv HuabingZhao	IN PROGRESS	Need to know if the ZTE team who built ESR intends to continue to support this sub-project in Frankfurt. Multiple Jira issues were not worked in Dublin / El Alto, which leads me project might need to be deprecated. Inviting Bo Lv and HuabingZhaoto see what the current status is. Hi, we didn't have resources for ESR in El Alto, and I(Huabing Zhao) and Lv Bo won't be able to contribute to ESR in F release, but Peng He will continue supporting ESR in F ZTE team. Please add him in the loop for the ESR related issues. ~~AAI-2653~~ - Update or deprecate the ESR subproject CLOSED ~~AAI-2640~~ - Enhance ESR to register/un-register Kubernetes based Cloud regions CLOSED
33		AIOpenlabTenantSpace	James Forsyth	IN PROGRESS	A kubernetes cluster is installed in WR using RKE NFS node is 10.12.5.10 Followed these instructions https://docs.onap.org/en/latest/submodules/oom.git/docs/oom_setup_kubernetes_rancher.html? Need to determine what gets installed, testing opportunities, CSIT, distribution flows, etc.
34		v17 schema for Frankfurt	Shashikanth VH	ON HOLD	Since the CCVPN SOTN proposal is in progress already, could we have the v17 schema introduced into master branch to receive the updates for Frankfurt release? ~~AAI-2607~~ - Add v17/v18/v19 schema oxm and edge rule files CLOSED See also AAI-CCVPN-Extension-SOTN Proposals for Frankfurt Release and ~~AAI-2593~~ - Support CCVPN use case SOTN NNI Proposal in AAI CLOSED ~~AAI-2594~~ - AAI: Store orchestration-type parameter as part of model-ver:object CLOSED already added some v17 files but needs more work to be complete.
35		AAI Bugs	James Forsyth	IN PROGRESS	Key Summary T Created Updated Due Assignee Reporter P Status Resoluti

AAI-3818	Model distribution fails with model-loader 1.13.5		Apr 05, 2024	Apr 05, 2024		Fiete Ostkamp	Fiete Ostkamp	=	OPEN	Unresolve
AAI-3674	aai-graphadmin-create-db-schema job does run forever		Nov 06, 2023	Nov 06, 2023		Unassigned	Andreas Geissler	^	OPEN	Unresolve
AAI-3652	ONAP does not go up in the AKS 1.26 version		May 17, 2023	May 18, 2023		Unassigned	None	^^	OPEN	Unresolve
AAI-3507	DMAAP Events are Not Being Published from AAI-Resources		Jul 14, 2022	Sep 26, 2022		Unassigned	None	=	OPEN	Unresolve
AAI-3465	A&AI returns 404 on SO deletion of created network		Mar 24, 2022	Sep 17, 2022		Unassigned	None	=	OPEN	Unresolve
AAI-3427	Exception on sparky after back/restore operation		Dec 14, 2021	Aug 02, 2022		Unassigned	None	=	OPEN	Unresolve
AAI-3390	Enhanced AAI test failing while all pods are Running after storage backend incident		Oct 05, 2021	Sep 17, 2022		Unassigned	None	=	OPEN	Unresolve
AAI-3351	AAI won't deploy properly without AAF		Jun 14, 2021	Sep 13, 2022		Unassigned	None	=	OPEN	Unresolve
AAI-3313	aai-sparky log does not use STDOUT		Apr 08, 2021	Sep 13, 2022		Unassigned	None	=	OPEN	Unresolve
AAI-3312	aai-schema log does not use STDOUT		Apr 08, 2021	Sep 13, 2022		Unassigned	None	=	OPEN	Unresolve
AAI-3311	aai log does not use STDOUT		Apr 08, 2021	Sep 13, 2022		Unassigned	None	=	OPEN	Unresolve
AAI-3309	Events are being triggered prior to the db commit		Mar 30, 2021	Aug 16, 2023		Unassigned	None	=	OPEN	Unresolve
AAI-3292	fix CRITICAL weak-cryptography issues identified in sonarcloud		Mar 02, 2021	Nov 03, 2022		Unassigned	None	^	IN PROGRESS	Unresolve
AAI-3227	E2E integration test: Endpoint relationship creation failed		Dec 04, 2020	Dec 04, 2020	Dec 10, 2020	Unassigned	None	=	OPEN	Unresolve
AAI-3194	Some AAI dockers include GPLv3 components		Sep 25, 2020	Aug 02, 2022		Unassigned	None	=	IN PROGRESS	Unresolve
AAI-3183	Yaml Generation not being generated for parent child of same type		Sep 15, 2020	Sep 13, 2022		Unassigned	None	=	OPEN	Unresolve
AAI-3100	AAI REST API concurrency bug		Jul 30, 2020	Aug 05, 2020		Unassigned	None	=	OPEN	Unresolve
AAI-2899	upon deletion of tenant vserver objects under that tenant are kept but when the tenant is put back the vservers are not present under the tenant but still exist in AAI		May 07, 2020	Sep 13, 2022		Unassigned	None	=	OPEN	Unresolve

					AAI-2797	aai-schema-service doesn't use AAF		Feb 13, 2020	Jun 02, 2022	Unassigned	None		OPEN	Unresolve
					AAI-2398	AAI Microservices report failure in schema-service incorrectly		Apr 29, 2019	Sep 13, 2022	Unassigned	None		OPEN	Unresolve
					AAI-2310	AAI swagger generated API license header		Apr 03, 2019	Jun 02, 2022	Unassigned	None		OPEN	Unresolve
					AAI-1759	AAI model loader failed model distribution		Oct 17, 2018	Aug 12, 2023	Unassigned	None		REOPENED	Done
					22 issues									
36		Docker images not pushing	James Forsyth	DONE	docker pull nexus3.onap.org:10003/onap/babel:1.5.0 - 1.5.1 pushed, will be release version docker pull nexus3.onap.org:10003/onap/aai-champ:1.5.1 - 1.5-STAGING-latest available, no tagged images docker pull nexus3.onap.org:10003/onap/aai-gizmo:1.5.0 - 1.5.2 pushed, will be release version docker pull nexus3.onap.org:10003/onap/aai-data-router:1.5.0 - 1.5.1, will be release version docker pull nexus3.onap.org:10003/onap/aai-search-data-service:1.5.0 - 1.5-STAGING-latest available, no tagged images ~~AAI-2595~~ - search-data-service is not producing a docker image CLOSED docker pull nexus3.onap.org:10003/onap/elasticsearch-sg:1.5.0 - same as search data service docker pull nexus3.onap.org:10003/onap/aai-model-loader:1.5.0 - 1.5.1 will be release version docker pull nexus3.onap.org:10003/onap/aai-spike:1.5.0 - 1.5.1 will be release version docker pull nexus3.onap.org:10003/onap/aai-sparky-be:1.5.0 - 1.5-STAGING-latest, no tagged images Want to migrate to an actively support maven docker plugin since Spotify docker plugin. Consider fabric.io - an example is aai/resources													
37		Alpine images	Dmitrii Puzikov	DONE	Jenkins jobs needed to create / push the common alpine image that the AAI containers will use, still need this completed before we merge the outstanding commits. ~~AAI-2574~~ - Submit ci-management update for docker stage on common images and sparky-fe centos issue CLOSED ~~AAI-2580~~ - Request LF release of docker images CLOSED									
38		GlowRoot	James Forsyth Venkata Harish Kajur	OPEN	Consider adding glow root profiling for AAI Microservices https://glowroot.org									
39		Performance Issue	James Forsyth	OPEN	Brian Freeman reported that when there are ~2400 vservers returned in a closed loop custom query, AAI takes minutes to respond. We've discussed paging previously, any oth this? PUT 'https://aai.onap:8443/aai/v16/query?format=resource' {"query":"query/closed-loop","start":"/cloud-infrastructure/cloud-regions/cloud-region/CloudOwner/RegionOne/tenants/tenant/28481f6939614cfd83e6767a0e039bcc/vservers/vse 46d6-8617-4c9b46e7308b"}									
40		Spring Boot 2	James Forsyth	IN PROGRESS	~~AAI-2111~~ - Upgrade to spring boot 2 (Set 1) CLOSED aai-common:1.5.2 (not released yet) will be the el-alto library for springboot 1.5.x microservices. There needs to be some urgency to migrate the microservices to spring boot 2, be backward compatible and so dependent applications might not have security updates if they stay on 1.5.2. 1.6.0 (Frankfort, currently master branch) aai-common will be spri microservices must be updated by Frankfurt. Springboot 1.5.21 is the latest (and last) version in the 1.5.x spring boot train.									

41		Vetting DSL Queries	Manisha Aggarwal William Reehil	OPEN	Will discuss strategies AAI will employ to protect itself from rogue queries.
42		New UI Features / Historical Tracking	William Reehil Manisha Aggarwal	OPEN	The AT&T team has done an exciting POC at a sprint-a-thon event that they would like to share with the community. ATT wants to contribute additional UI views to ONAP, want to discuss path forward

Open Action Items

New Action items