2018-11-14 AAI Meeting Notes

Recording:

[Recorded Session 2018-11-14](#)

Attendees:

[James Forsyth](#)

[William LaMont](#)

[Francis Paquette](#)

[Ondrej Frindrich](#)

[Pavel Paroulek](#)

[Manisha Aggarwal](#)

[Keong Lim](#)

[William Reehil](#)

[Sharon Chisholm](#)

[Venkata Harish Kajur](#)

[Tian Lee](#)

[Benjamin Cheung](#)

[SoumyaNaik](#)

[Steven Blimkie](#)

[Gabriel Sanchez](#)

[Philip Blackwood](#)

[Shirley Morgan](#)

START RECORDING

Casablanca Release Status	James Forsyth	[Casablanca Release Integration Testing Status](#)
Lab support	James Forsyth	To assist with monitoring JIRA, suggest subscribing to this filter: https://jira.onap.org/issues/?filter=11532, which does pick up **AAI-1913** - AAI queries not working in SB-06 `CLOSED` as discussed. Also sent a message to onap-discuss to ask if JIRA Notification Scheme and new email list could be setup as well.
Status of History Backend		There is a document which shows us as delivering the history backend in Casablanca - need to discuss if we are providing an accurate picture of what's available in Casablanca.

	Hbase to Cassandra migration	Amit Sinha	Bell Canada has a requirement to migrate their A&AI Graph DB backend from HBase to Cassandra. We are enabling this effort. We have been investigating GraphAdmin code in ONAP, which seems to support the framework. We would like to make enhancements to this framework and contribute to ONAP. The initial enhancements we would like to accomplish are: - Provide option to the end-user to select FROM and TO Version - The current code doesn't have this option - Support schema migration to V14 - Current support exists for V11->V13 Our goals: - AAI backend upgrade from HBase to Cassandra (V11 to V14) - Seamless upgrade and rollback of AAI DB Recording 13th November DBmigration.mp4
	AAI GraphGraph	Keong Lim	William Reehil wrote introduction to (proposal for?) A&AI GraphGraph **What must the solution provide?** *a generic interface to interact with the schema and edge information, so it can be accessed via end users and microservices* *ability to be configured with any schema given in the set formats (JSON for edge rules, OXM for schema)* *ability to easily communicate to an end user a node type's attributes and edge rules when provided with a node type as input* Looks like an API to reflect on the schema from an instance in the database. Is there some overlap with the AAI Schema Services? Is this leveraging AAI Schema Services e.g. as client? proxy? facade? implementation detail? Is it an alternative to AAI Schema Services? Also added to 2018-11-15 AAI Developers Meeting for any deeper discussion. Keong Lim I do see an overlap with the schema service mainly for the retrieval of the data, but GraphgGraph will offer more on top of that(UI, NLP), during the POC code for GraphGaph there was no schema service. Implementation details can be discussed on our call for how exactly to leverage the schema service, the poc code, and where the core logic resides for this functionality.
	requiredProps xml property in OXM file	James Forsyth	In Dublin there is a new xml property in the OXM file called requiredProps - those who are planning make schema changes should add requiredProps in the <xml-properties> section of each java-type Example: <xml-properties> <xml-property name="description" value="Logical interfaces, e.g., a vnic."/> <xml-property name="indexedProps" value="macaddr,interface-id,interface-name,network-name"/> <xml-property name="dependentOn" value="generic-vnf,newvce,p-interface,vserver,lag-interface,l-interface"/> <xml-property name="container" value="l-interfaces"/> <xml-property name="uriTemplate" value="/l-interfaces/l-interface/{interface-name}"/> <xml-property name="requiredProps" value="interface-name,is-port-mirrored,in-maint,is-ip-unnumbered"/> </xml-properties>
	Daylight Savings Time		Update 31 Oct: AAI meetings will be adjusted for US daylight savings. James Forsyth will verify that the community meetings page on the wiki accurately reflects the end of Daylight Savings
	Release versions		Update 31 Oct: Steven Blimkie and James Forsyth will release Amdocs microservices today and request casablanca branching.
	Weekly Developer's Call	James Forsyth	James Forsyth will create a new poll: https://www.timeanddate.com/ and send link to new poll to the onap-discuss list https://doodle.com/poll/t2c7md2kv9x7cdzx See also AAI Developers Meeting
5 min	AAI UI documentation or user guide	Keong Lim	Recently updated AAI Graphical User Interface due to colleagues wanting to use the AAI UI. Is there a more comprehensive and authoritative documentation or user guide for AAI UI? The main issue is that it is not clear how to get started - Francis Paquette will look at what's on the readthedocs site, I think we need to port what Keong has put in the wiki to the main docs repo at a minimum.

	CII Badging								

				Lowest Score		Lowest	95%	95	78	17
				ONAP AAI UI (sparky-fe)		cii best practices	in progress 97%	97	84	22
				ONAP Active and Available Inventory		cii best practices	in progress 97%	97	78	17
				ONAP ESR (External System Register)		cii best practices	in progress 97%	97	11	4
				ONAP AAI UI		cii best practices	in progress 98%	98	87	17
			22 aai	ONAP Model Loader		cii best practices	passing	100	87	22
				ONAP Babel		cii best practices	passing	100	87	17
				ONAP AAI Rest Client		cii best practices	passing	100	33	4
				ONAP Champ		cii best practices	in progress 95%	95	78	17
				ONAP Gizmo		cii best practices	in progress 97%	97	78	22
				ONAP Spike		cii best practices	in progress 98%	98	78	17

Fill out CII Silver Badging Template. We have not committed to a silver badge, but the community wants us to fill it out to the best of our ability.

IQ Vulnerabilities

Thank you for providing the feedback for AAI known vulnerabilities.

I do agree with your comments on the wiki, however I would like to encourage you to provide your feedback for the remaining vulnerabilities that are available on the Nexus-IQ but unfortunately not included on your Wiki.

If needed, we can have a short call together to review remaining vulnerable components (I hope the list is complete):

tomcat-catalina : 8.5.23

tomcat : zip : 8.5.23

tomcat-util : 8.5.23

tomcat-websocket : 8.5.23

netty-all : 4.1.0.CR3

cxf-rt-transports-http : 3.2.2

Update 18th Oct:

- aai\esr-gui\httpserver\pom.xml specifies "<tomcat.version>8.5.23</tomcat.version>"
- aai\esr-gui\pom.xml specifies "<tomcat.version>8.5.23</tomcat.version>"
- netty-all version "4.1.0.CR3" does not appear to be anywhere in the current AAI codebase (old reference?)

Dublin 5G Use Case — Benjamin Cheung

Dublin AAI changes in support of 5g use cases.

Link for presentation: 5G - PNF Plug and Play (Casablanca carry-over items)

Schema Service — Venkata Harish Kajur

Discuss about the Schema Microservice

11th Oct: Use Cases for Dynamic AAI Schema Changes

Jackson Replacement — Team Keong Lim, Tian Lee

Security subcommittee has recommended teams move away from jackson, and will be presenting alternatives and asking for an assessment from each project. Our team will need to do an analysis - this would not be trivial, especially given how many of our repos are impacted. As of now, this would be a very high LOE for the team, we need to understand what the recommendation from the SECCOM is before we can provide better details on what the LOE would be.

Updated: Using Google gson vs FasterXML Jackson

10th Oct: Present to Seccom meeting

15th Oct: Present to PTL meeting

24th Oct: Move discussion to AAI Developers Meeting

Update 31 Oct:

James Forsyth will add this to the PTL call agenda for Monday 4 Nov

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XSD generation — William LaMont, James Forsyth

Multi-oxm. There is limited auditing which shows warnings, but we might want to review the requirements around multi-oxm to prevent collisions.

Support for 2 OOM deployment types — Pavel Paroulek

Motivation: Decrease the resource footprint for A&AI (ONAP) deployments

Idea: we could support 2 different deployments 1. full (normal) deployment and 2. barebones deployment. The point of the "barebone" deployment would be to deploy only the essential services necessary for proper functioning of A&AI (leaving out services like cacher, sparky, graphadmin, having 1 cassandra node instead of 3 or 5 etc).

In order to reduce hardware/cloud costs (mainly the memory footprint) it could be beneficial to support a minimalistic A&AI deployment.

AAF and TLS in Casablanca	James Forsyth	The AAI team needs a strategy for integrating with AAF and AAF certificate manager, including potentially using 2-way TLS in R3. blocked URLAAI-32 - Integrate with AAF `OPEN` `UPDATE 6 JUNE: ANDY BAXTER PROVIDED PRESENTATION` Update 17 Oct: It works! First successful deployment of the AAI profile in OOM. Need to make it permanent once AAF is stable. Update 24 Oct: Pavel Paroulek will add a feature enhancement request in AAF to provide better logging facilities so we can configure AAF logs rather than logging directly to STDOUT. AAF feature request: blocked URLAAF-604 - Use a logging facade in CADI framework `OPEN` blocked URLAAI-1760 - [resources and traversal] Make the AAF profile active in OOM by default `OPEN`	
5G PNF Software upgrade	yaoguang wang Benjamin Cheung	We have a 5G related functionality in Change management, 5G PNF Software upgrade. https://wiki.onap.org/display/DW/5G+-+PNF+Software+Upgrade. Right now, PNF software version is modeled and accepted in SDC, and also approved in Modeling subcommittee and TSC.https://wiki.onap.org/display/DW/TSC+2018-07-26+Meeting+Agenda. (Modeling report) We are not familiar with A&AI. The target of this functionality is to update PNF Sw version when upgrade completion with specified pnfid. Could you and your team give us some help on this? 1) Is there any available APIs provided by AAI for this? 2) If yes, can you give me some details on it. If not, could you and AAI team provide support in Casablanca? We would like to provide contributions if needed. Update 01 Aug: yaoguang wang to follow-up with SDC team and send conclusion results to James Forsyth	
PNF Plug and Play w/ A&AI in Casablanca	Benjamin Cheung	**PLUG AND PLAY USE CASE WIKI**: 5G - PNF Plug and Play **A&AI ENTRY FOR PNF PnP**: 5G - PNF Plug and Play#5G-PNFPlugandPlay-STAGE2-PNFA&AIENTRYUSEDBYPNP There are a number of A&AI topics: 1. **GEOLOCATION** - Suggested from the PNF Modeling discussions. It was counter-suggestion (form A&AI) was to use the COMPLEX Object. Some members of the PNF Modeling group still have questions about how this would work exactly. 2. **DETECTED SOFTWARE VERSION LIST** - (this is already a tracked item above) 3. **CLOUD HOME** - CLLI Code for Cloud homing of the PNF. Counter-suggestion (from A&AI) was to use the COMPLEX Object. However, the modeling community was not satisfied with this suggestion. 4. **MANAGER IP ADDRESS** - Modeling in A&AI parameters for the Manager of the PNF. Counter-suggestion (from A&AI) was to model the NMS as a NF. Modeling community thought that the Manager IP address was more appropriate, simpler, more succinct solution instead of modeling the NMS as a NF. 5. **S/W IMAGE REPOSITORY** - Location where NF Software repository is. Would be a URL/Web address.	
CII Badging	James Forsyth	Wiki page with instructions on the process: CII Badging Program Need updates on the CII badging for ESR	

Open Action Items

New Action items

- Pavel Paroulek to clarify if ticket needed for Graph Admin or Graph Graph