Pairwise Testing - Amsterdam

The purpose of this wiki page is to collect in one central location relevant information for various pairwise testing activities so that we don't need to solely depend on email.

APPC/MultiVIM/AAI Integration Testing

Environment: POD-25 (WindRiver lab)

> **Protocol for making lab requests:** <Stephen Gooch, can you document how you want to manage this?>

Primary goal of testing: Validate OpenStack actions from APPC via MultiVIM Opentack Proxy to VNF

Minimum Configuration:

- AAI
- ESR
- APPC/CDP-PAL
- MultiVIM
- reference VNFs, propose vFW or vDNS

Key points of Contact for Lab/component deployment:

Lab /Component	Name	Email	Notes
POD-25	Stephen Gooch Gil Hellmann	stephen.gooch@windriver.com> gil.hellmann@windriver.com	
AAI	Jimmy Forsyth	jf2512@att.com	
ESR	Zi Li	li.zi30@zte.com.cn	
APPC	Aaron Hay Veer Rajasekhar	ah415j@att.com vr772b@att.com	
CDP-PAL	Tyler Smith	ts4124@att.com>	9/6/17: CDP-PAL is deployed as part of APPC. APPC team will pull in Tyler as needed.
Multi-VIM/Cloud	Bin Yang	Bin.Yang@windriver.com	
MSB	Zhao Huabing	zhao.huabing@zte.com.cn	
Reference VNF	Marco Plantania	platania@research.att.com	~~9/6/17: Need to confirm with Marco that he will be the contact/support point for this~~ **Confirmed.**

Component Specs:

Component	VM	vCPU/ Cores	RAM	Storage	Additional Details
AAI	2	8	16GB	50GB	an additional volume of 50 GB
ESR	1	2	4GB	N/A	ESR uses AAI for storage
APPC/CPD-PAL	1	4	8GB	80GB	
Multi-VIM/Cloud	3	12	24GB	240GB	3 components:Broker, Plugin for Openstack Newton, Plugin for VIO
MSB	1	2	8G	40GB	
VNF (vFW)	3	6	12GB	12-GB	3VMs: 1 traffic generator (data source), 1 firewall, 1 destination

Deployment order:

- From a deployment sequence, we assume the following order:
  - AAI (and ESR - look to AAI for details on deployment dependencies between these AAI & ERS microservice)
  - APPC (checks for AAI availability, so needs to come after AAI)
  - MSB
  - MutlVIM
  - VNF

High Level Tests: To be also tracked in Integration project

- APPC

No.	Description	JIRA
1	APPC ONAP -LCM API HEALTHCHECK	~~INT-205~~ CLOSED
2	APPC ONAP -LCM API VM RESTART	~~INT-206~~ CLOSED
3	APPC ONAP -LCM API VNF RESTART	~~INT-207~~ CLOSED
4	APPC ONAP -LCM API START	~~INT-208~~ CLOSED
5	APPC ONAP -LCM API STOP	~~INT-209~~ CLOSED
6	APPC ONAP -LCM API VM REBUILD	~~INT-210~~ CLOSED

- Refer to APPC Testing Scope and Status for additional tests executed.

Timeline:

9/6/17:

- Lab planning activities to start this week (9/7)- led by Gil Hellman, who will reach out to key contacts from above.
- APPC and AAI should have code done by end of week (9/8), so dockers may need to be upgraded next week depending on deployment progress made this week.
- We will checkpoint early next week to see if we are ready to start testing; lab deployments always take longer than anticipated due to various issues related to connectivity that come up.
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Tracking Issues:

Team agrees to track activity and any reported issues in the Integration project. An Epic will be create for APPC-MutlVIM Integration and stories and bugs will be tracked under that Epic.

- Integration Project Epic: INT-181

~~The component field will be used to identify to which component an a story or bug belongs to. The following components have been created <pending>:~~

- ~~APPC~~
- ~~AAI~~
- ~~CDP-PAL~~
- ~~ESR~~
- ~~MultiVIM~~
- ~~MSB~~

11/11/17 update: In the end, it didn't quit work out this way. Issues were opened in each project.

APPC/DMaaP Integration Testing

Environment: POD-25 (WindRiver lab)

Primary goal of testing: Validate receiving messages from and posting messages to DMaaP successfully

Minimum Configuration:

- Same configuration listed in APPC/MultiVIM/AAI Integration Testing, plus the following:
  - DMaaP

Key points of Contact for Lab/component deployment:

- Same contacts listed in APPC/MultiVIM/AAI Integration Testing, plus the following

Lab/Component	Name	Email	Notes
DMaaP	Varun Gudisena	vg411h@att.com	
Multi-VIM/Cloud	Bin Yang	bin.yang@windriver.com	

Component Specs:

- Same components listed in APPC/MultiVIM/AAI Integration Testing, plus the following

Component	VM	vCPU/ Cores	RAM	Storage	Additional Details
DMaaP-MR	1	4	8GB	256GB	

Deployment order:

- Deploy DMaaP before APPC

High Level Tests: To be also tracked in Integration project

- Refer to APPC Testing Scope and Status for details on the tests executed using DMaaP

Tracking Issues:

> ~~Team agrees to track activity and any reported issues in the Integration project. An Epic will be create for APPC-DMaaP Integration and stories and bugs will be tracked under that Epic.~~
>
> ~~The component field will be used to identify to which component an a story or bug belongs to.~~

11/11/17 update: In the end, it didn't quit work out this way. Issues were opened in each project.

APPC/DMaaP/Policy Integration Testing

Covered by Integration team as part of vCPE/VFW testing.

APPC/DMaaP/Policy/CLAMP Integration Testing

Covered by Integration team as part of vCPE testing.