APPC Beijing Testing Scope and Status

Beijing Specific Tests

Test No.	Category (Stability, Resiliency, ConfigScaleOut, Scalability)	Description	Status (Not Started, In-Progress, Pass, Fail)	Notes
1	Stability	Execute Restart Test for 72 hour period	Pass	Tested against Amsterdam code due to defect APPC-658 which prevents DMaaP messages from being received or sent. Test results and notes can be found at: ONAP APPC 72 Hour Stability Test Results
2	Stability	Execute Rebuild Test for 72 hour period	Pass	Tested against Amsterdam code due to defect APPC-658 which prevents DMaaP messages from being received or sent. Test results and notes can be found at: ONAP APPC 72 Hour Stability Test Results
3	Stability	Execute Start Test for 72 hour period	Pass	Tested against Amsterdam code due to defect APPC-658 which prevents DMaaP messages from being received or sent. Test results and notes can be found at: ONAP APPC 72 Hour Stability Test Results
4	Stability	Execute Stop Test for 72 hour period	Pass	Tested against Amsterdam code due to defect APPC-658 which prevents DMaaP messages from being received or sent. Test results and notes can be found at: ONAP APPC 72 Hour Stability Test Results
5	Stability (Heat)	Execute 72 hour test with steady stream of Restarts, Rebuilds, Start, and Stop actions in an Heat deploy APPC environment using Beijing running on Nitrogen	Pass	APPC-658 issue was fixed for this test.
6	Stability (OOM)	Execute 72 hour test with steady stream of Restarts, Rebuilds, Start, and Stop actions in an OOM clustered APPC environment using Beijing running on Nitrogen	Pass	APPC-658 issue was fixed for this test.
7	Resiliency	Verify that loss of one MYSQL slave instance does not impact DB availability.	Pass (on Carbon ODL) Pass (on Nitrogen ODL)	Since MariaDB and Galera support is not being introduced in this release, this test involves terminating the one MySQL instance and verifying that Kubernetes brings the instance back up successfully.
8	Resiliency	Verify that loss of one APPC controller instance does not impact application availability	Pass (on Carbon ODL) Pass (on Nitrogen ODL)	Loss of one APPC controller instance does not impact application availability.
9	Scalability	Scale (up or down) MySQL dynamically.	Fail	Dynamic scaling for the database is scheduled to be supported with the introduction of MariaDB and Galera in a future release.
10	Scalability	Scale (up or down) APPC controller dynamically.	Pass with issue (on Carbon ODL) Pass with issue (on Nitrogen ODL)	The APPC controller can be dynamically scaled; however, the ODL cluster is not configured properly after the scaling operation. Based on this issue, it is recommended to use static scaling such that the cluster size is set appropriately at the time of installation to ensure a properly functioning ODL cluster.
11	ConfigScaleOut via apidoc	vLB/vDNS used. Scenario: new vDNS instantiated and IP of new vDNS instance must be made known (i.e., configured) to vLB via ConfigScaleOut request	Pass	Additional information: APPC ConfigScaleOut Testing with vDNS /vLoadBalancer
12	ConfigScaleOut via DMaaP	vLB/vDNS used. Scenario: new vDNS instantiated and IP of new vDNS instance must be made known (i.e., configured) to vLB via ConfigScaleOut request	Pass	Additional information: APPC ConfigScaleOut Testing with vDNS /vLoadBalancer
13	CDT	CDT connect to APPC runtime	Pass	~~Currently blocked by APPC-885~~ Resolved
14	CDT	CDT distribute artifacts to APP runtime	Pass	Creating the vLoadBalancer in the CDT

Regression Tests

TC No.	Action	Heat	OOM	LCM API Provider	APPC Provider	Via DGOrchestrator	Direct to OpenStack	Thru MultiVIM	Query AAI	NetConf	Via DMaaP	Status	Notes
1	ModifyConfig	Yes	Yes*	N/A	Yes					Yes		Pass	vFW/pgsteam change regression use case
2	Healthcheck	Yes				Yes							Need jar containing simulator with a service running in order to test.
3	Restart	Yes	Yes*	Yes		Yes	Yes		Yes		Yes	Pass	
4	Restart	Yes		Yes			Yes		Yes		Yes	Pass	This test is using the Generic_Restart DG designed to allow for VIM.
5	Restart	Yes	Yes*		Yes		Yes		No		No	Pass	
6	Restart		Yes*		Yes		Yes					Pass	
7	Stop	Yes	Yes*	Yes		Yes	Yes		Yes		Yes	Pass	
8	Start	Yes	Yes*	Yes		Yes	Yes		Yes		Yes	Pass	
9	Rebuild	Yes	Yes*	Yes		Yes	Yes		Yes		Yes	Pass	
10	Rebuild	Yes	Yes*		Yes		Yes		No			Pass	2018-04-26 14:04:12,445	INFO	p1257028015-1480	eelf	401 - appc-common - 1.3.0.SNAPSHOT - -	APPC0120I Rebuild '1' finished with status SUCCESS. Reason: Success
11	Snapshot	Yes	Yes*		Yes		Yes		No		No	Partial	Snapshot created successfully but the image verification failed due to APPC-869.

*For OOM - APPC MySQL sql_mode differs from the standard OOM MySQL deployment due to restrictions when sql_mode has "only_full_group_by" enabled. APPC-878