Beijing Release Platform Maturity

This table summarizes the plan in regard to support of "Platform Maturity" for each project in Beijing Release. The data below are extracted from each project plan.

The Platform Maturity recommendations are documented in "Platform Maturity Status" from Jason Hunt

> ✅ **Legend**
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> Color code:
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> Yellow: same maturity.
>
> Green: improved maturity level.
>
> Red: below maturity level
>
> M1 Actual represents the assessment before M1. M1 Target represents, at M1 date, what the team plans to implement. M4 result represents what has been really implemented at M4 date . All these fields are self-assessed by the team.

	Design / Run-Time	AREA Performance			Stability			Resiliency			Security			Scalability			Manageability			Usability		
Min TSC Recommendations		Min Runtime: 1 Min Remaining: 0			Min all projects: 1			Min Runtime: 2 Min Remaining: 1			Min all projects: 1			Min Runtime: 1 Min Remaining: 0			Min all projects: 1			Min all projects: 1		
Project Name		M1 Actual	M1 Target	M4 result	M1 Actual	M1 Target	M4 result	M1 Actual	M1 Target	M4 result	M1 Actual	M1 Target	M4 result	M1 Actual	M1 Target	M4 result	M1 Actual	M1 Target	M4 result	M1 Actual	M1 Target	M4 result
A&AI	R	0	1	WIP Note 11	0	1	WIP Note 11	1	2	2	0	1	WIP Note 10	0	1	1	1	1	1	1	1	1
Application Authorization Framework	R	0	1	WIP Note 11	0	1	WIP Note 11	1	2	WIP Note 11	0	1	0 Note 16	0	1	0 Note 11	1	1	1	1	1	1
APPC	R	0	0	0	0	1	1	1	2	2	0	1	1 Note 13	1	1	1 Note 14	1	1	1	1	1	1
CLAMP	D	0	0	0	0	1	1 Note 27	1	1	1	0	1	1	1	1	1 Note 28	1	1	1	1	1	1
Common Controller SDK	R	0	0	0	0	NA Note 2	NA Note 2	1	2	2	0	1	WIP Note 18	0	NA Note 3	NA Note 3	1	1	1	1	1	1
DCAE	R	1	1	1	1	2	WIP	1	2 Note 1	2	0	1	WIP	0	1	1	0	1	1	1	1	WIP
DMaaP	R	0	1	WIP Note7	1	1	WIP Note7	2	2	2	0	1	WIP Note8	1	1	1	1	1	1	1	2	WIP Note9
Documentation	NA	Oversee documentation from all other projects that support their maturity commitments																		1	2	
External API Framework	R	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1 Note 30	0	1	1	0	1	1
Holmes	R	0	1	WIP	0	1	WIP	0	2	1	0	1	WIP Note 19	0	1	1 Note 20	0	1	1 Note 20	1	1	1
Integration	NA	Integration Team will perform overall E2E testing with the 4 use cases.																				
Logging Enhancements Project	R	0	0		1	1		2	2 Note 4		0	0		1	1		1	1		0	1	WIP Note 17
Microservices Bus	R	0	1		0	1		1	2		0	1	Note15	1	1		1	1		1	1	
Modeling	D	0	1		1	1		1	2		0	1		0	1		0	1		1	1	
Multi VIM/Cloud	R	0	1		0	1		1	2		0	1		1	1		0	1		2	2	
MUSIC	R	1	1		1	1		2	2		2	2		1	1		1	1		1	1	
ONAP CLI	D & R	0	1	1	0	1	1	1	2	2	0	1	1	1	1	1	1	1	1	1	2	2
ONAP Operations Manager	R	1	1		0	1		1	2		1	1		0	1		0	1		1	1	

ONAP Optimization Framework	R	0	1	1	0	1	1	1	2	2	0	1	1	0	1	1 Note 30	0	1	1	1	1	1
ONAP Usecase UI Project Proposal	D	0	1		0	1		1	2		0	1		0	0		0	1		1	1	
Policy Framework Project Proposal	D & R	1	1	No work done	1	1	No work done	1	2	WIP	1	1	1	0	1	WIP	1	1	WIP	1	1	WIP
Portal Platform Project Proposal	D & R	0	1	1	1	1	1	1	2	2	0	1	1	0	1	1	1	1	1	1	2	2
SDN-C	R	0	0	0	0	1	WIP	1	2	2	0	1	WIP Note 21	0	1	1	1	1	1	1	1	1
Service Design & Creation	D	0	0	No work done	0	1	WIP	1	1	No work done	0	1	WIP	0	0	No work done	0	0 Note 5	WIP	0	1	WIP
Service Orchestrator	R	0	1	WIP Note 29	0	1	WIP Note 29	1	2	WIP Intertaring with OOM	0	1	WIP	0	1	WIP Intertaring with OOM	0	1	WIP Intertaring with OOM	0	1	WIP
VFC	R	0	1	WIP	0	1	WIP	1	2	2	0	1	Note22	0	1(*) Note 6	0	0	1	1	1	1	1
VID	R	0	1	WIP Note 32	0	1	WIP Note 32	1	2	WIP Note 31	0	1	1 Note26	0	1	WIP Note 31	0	0 Note 5	0	1	1	1
VNF SDK	D	0	0	0	1	1	1	1	1	1	0	1	1	0	0	0	1	1	1	1	1	1
VNF Requirements	NA	NA. VNFRQTS is primarily a documentation project and does not deliver ONAP platform code																		1		
VNF Validation (VVP)	D																					

Note 1: For DCAE the plan is to meet level 2 for DCAE components that can be made into docker containers, but for those components that cannot, it will depend on upstream providers (i.e. Cloudify Manager and CDAP). During M1 review, TSC agree with level 2 ok with exception granted for cloudify

Note 2: For CCSDK, as a project that provides a library framework, CCSDK has no standalone component that can be soaked

Note 3: Scaling does not apply to CCSDK itself, as a set of libraries.

Note 4: LOG: standard OOB OOM Kubernetes resilience/stability

Note 5: SDC and VID. For Manageability, instantiation in < 1 hour is already supported. No plan to support single loging in Beijing.

Note 6: Due to lack of resources, VF-C may not achieve scalability level 1 for all components in this release and plans to support scalability level 1 for part of components first.

Note 7: 72 hrs. Soak test completed for Message router and in progress for Bus controller.

Note 8: We reached 50% code coverage for Message Router. Code coverage for Bus controller is in progress.

Note 9: Documentation is completed for Message router, in progress for Bus controller.

Note 10: AAI hasn't cleared vulnerable dependencies and won't be clear before M4 but we have a plan to have them clear by release

Note 11: Performance and scalability tests will be performed during integration testing.

Note 13: CII Passing is 95%; Code Coverage is over 50% .

Note 14: APPC component is fully scalable via approach of using Kubernetes, APPC instances (N+) can be added to the cluster; however, due to constraints encountered with MySQL DB, the DB is not scalable until we migrate to MariaDB plus Galera (planned for Casablanca per feedback from CCSDK), which would provide the active-active architecture. Further details are tracked under OOM project (OOM-733,) who we've been working with.

Note 15: MSB CII Badge progress is 98% ; the main challenge for us is to fix all the security issues above level 4, we're still working on that. The coverage is already above 50%.

Note 16: AAF latest code set supports certificate manager and OAuth. Need to test the security during integration testing

Note 17: logging spec page being finalized with mostly AT&T - spawned a Casablanca spec moving forward

Note 18: Remaining security vulnerabilities in CCSDK are due to library versions delivered in OpenDaylight Nitrogen release. These cannot be cleared without breaking OpenDaylight platform.

Note 19: The current status of Holmes CII Badge progress is 98%. There's still one severe problem unsolved. But it seem to be a false positive. Details could be found at Holmes Security/Vulnerability Threat Impact Analysis. Now we are still working on the issues ranked above L4.

Note 20: Holmes itself has implemented all the functionalities regarding scaling and logging. Now we are still working with the DCAE team for integration.

Note 21: Remaining security vulnerabilities in SDNC are due to versions delivered in base platforms (OpenDaylight Nitrogen and NodeRed). These need to be cleared in these dependent projects and then SDNC will use updated version of base platforms.

Note 22: CII Passing is 97% ; code coverage is already above 50%; there are still unresolved crocial issues.

Note 23: VF-C updated log configuration and added filebeat container to VF-C existing components in OOM. OOM and Logging team are helping us review' these updates.

Note 24: CLI https enablment is pending and will be enabled as part of RC0. (once we confirm on the CA cerificate use)

Note 25: ~~PORTAL working on nexus-IQ issues to improve the security; also working with MUSIC integration to improve the scalability and resiliency~~. The PORTAL's security issues are resolved and MUSIC integration completed.

Note 26: VID coverage is 50%, CII Passing is 97%

Note 27: CLAMP 72h stability test was performed just after completing work for M4 - see report in subtasks of CLAMP-127

Note 28: CLAMP is integrated with OOM, HA setup is done with MariaDB/Gallera see OOM-735

Note 29: Working with the intergration (and benchmarkin) team to define the criteria.Will be done by final release.

Note30: Scalability provided by Kubernetes

Note 31: Tested locally, and submitted to OOM to review

Note 32: As performed by integration team