

Architecture Subcommittee

Note: this page shows all the history of ONAP Architecture, but ONAP supports two latest releases officially.

TSC Architecture subcommittee purpose:

The architecture subcommittee is responsible for developing and maintaining a functional ONAP architecture, guided by principles. This functional architecture helps maintain relationships and interaction between functional modules, which may include high level information flows between the modules supporting the use case(s) driving each release. It also helps the community with project proposals by clarifying the new project relationship with existing components.

Input / driver for the architecture decision are business objectives / goals.

Key deliverables from the architecture team are:

Committee agreed architecture principles

End state target architecture (baselined and changes are discussed and sent to TSC for approval)

Architecture evolution / transformation from current release to next release (generated for each ONAP release)

Highlight short term architecture deviations that would be resolved in future 1-2 releases

For each project proposal, architecture team would evaluate and provide one of the following four recommendations.

- 1) Proposed project advances target architecture by addressing the gaps.
- 2) Proposed project is consistent with the target architecture and enhances functionality
- 3) Proposed project is a slight deviation from the end state target architecture and is a short-term solution to meet urgent needs, architecture alignment will be achieved over next 1 or 2 releases
- 4) Proposed project is inconsistent with the target architecture and will likely create overlapping functionality or architecture inconsistency.

The architecture subcommittee will not make decisions regarding internal functioning of projects, but may identify synergies across projects.

The architecture subcommittee is advisory by nature, and not authoritative. It may provide advice to projects and to the TSC, such as by providing a forum to help resolve architectural questions that may arise.

The architecture subcommittee operates on a rough consensus basis. If the subcommittee is unable to reach consensus on what advice to offer, the subcommittee will refer the matter to the TSC or inform the project that advice cannot be rendered.

The architecture subcommittee will consult with Projects to help drive alignment between components and with the functional architecture.

TSC subcommittee expected deliverables:

The architecture subcommittee will develop and maintain a functional architecture diagram and any explanatory material.

Periodically, or midway through a release, the architecture subcommittee will schedule a walk-through with each project to understand API interactions between components.

Requirements Proposal Reviews

The architecture subcommittee also review proposals from the feature, project teams and other subcommittees such as SECCOM, ONAP projects, Integration, OOM, CI/CD, etc.

The PTLs and/or feature owners can propose new features and/or enhancements thru the architecture subcommittee.

TSC subcommittee starting participants:

The architecture subcommittee is open to all interested participants, and meetings are open.

Mailing list Moderators [Stephen Terrill](#), [Lingli Deng](#), [ramki krishnan](#)

Membership (Copy)

Goals (New)

Architecture Principles (New)

Open Issues (New)

Dublin Architecture Planning Meeting (Copy) (Montreal, Oct 29-31)

JIRA project for issue prioritization: <https://jira.onap.org/projects/ONAPARC/>

Next Call

Key	Summary	Labels
ONAPAR C-785	(Montreal-R13) - Func - SO feature and architecture update in R13	ARC-2023-R13 ARC-2023-R13-AUG-1 ARC-R13 ARC-R13-Func
ONAPAR C-779	(Montreal-R13) - Func - REQ/ARCH Review Exemption list	ARC-2023-R13 ARC-2023-R13-June-6 ARC-R13 ARC-R13-Func
ONAPAR C-769	"dev-stirimzi-entity-operator to be deployed. dev-stirimzi-entity-operator not found"	
ONAPAR C-749	(Kohn-R11) - CompReview - SO	ARC-2022-R11 ARC-R11 ARC-R11-CompReview ARC2022-R11-Jun-28
ONAPAR C-740	(kohn-R11) - CompReview- Policy Framework	ARC-2022-R11 ARC-R11 ARC-R11-APPROVED ARC-R11-CompReview ARC2022-R11-May-24
ONAPAR C-735	(Jakarta-R10) - Func - CNF Ochestration- (CNFO)	ARC-R10 ARC2022-R10-Jan-25
ONAPAR C-731	(Jakarta-R10) - Func - CCVPN support for Intent-based networking and closed-loop	ARC-R10 ARC-R10-Func ARC2021-R10 ARC2022-R10-Jan-04
ONAPAR C-730	(Jakarta-R10) - Func - Network Services without Perception for Users based on IBN	ARC-R10 ARC-R10-Func ARC2021-R10 ARC2022-R10-Jan-04
ONAPAR C-729	(Jakarta-R10) - Func - Smart Intent Guarantee based on Closed-loop	ARC-R10 ARC-R10-Func ARC2021-R10 ARC2022-R10-Jan-04
ONAPAR C-724	(Jakarta-R10) - CompReview - Data Collection and Analytics (DCAE)	ARC-R10 ARC-R10-CompReview ARC2021-R10 ARC2021-R10-Dec-07 ARC2022-R10-Jan-25
ONAPAR C-699	(Istanbul-R9) - Func - DCAE Transformation to support Helm - Phase2	ARC2021-Apr-27
ONAPAR C-663	(Honolulu-R8) - NF - ONAP shall increase the number of security tests performed during integration testing	ARC2020-BACKLOG
ONAPAR C-662	(Honolulu-R8) - NF - Clearly split ONAP code and use case code	ARC2020-BACKLOG
ONAPAR C-661	(Honolulu-R8) - NF - Define Robustness and stability metrics, traffic model & run stability CI chain	ARC2020-BACKLOG
ONAPAR C-660	(Honolulu-R8) - NF - Deploy on demand ONAP through CI per use case	ARC2020-BACKLOG
ONAPAR C-659	(Honolulu-R8) - NF - ONAP Projects dealing with GUI must provide GUI test suites	ARC2020-BACKLOG
ONAPAR C-655	(Honolulu-R8) - NF - LOGS MANAGEMENT - PHASE 1: COMMON PLACE FOR DATA	ARC2020-BACKLOG
ONAPAR C-654	(Honolulu-R8) - NF - COMPLETION OF HELM MIGRATION (v2 v3)	ARC2020-BACKLOG
ONAPAR C-653	(Honolulu-R8) - NF - CONTINUATION OF CII BADGING SCORE IMPROVEMENTS FOR SILVER LEVEL	ARC2020-BACKLOG

ONAPAR C-645 (Honolulu-R8) -Func - Improvements on xNF Software Upgrade in association to schema updates

ARC2020-BACKLOG

Showing 20 out of 38 issues

2nd week

Key	Summary	Labels
ONAPA RC-803	Global Requirements for DMaaP MR Removal in New Delhi	
ONAPA RC-796	(Montreal-R13) - Arch Topic - ONAP Streamlining - Security documentation	ARC-2023-R13 ARC-2023-R13-AUG-22 ARC-R13
ONAPA RC-795	(Montreal-R13) - Arch Topic - ONAP Streamlining - Security documentation	ARC-2023-R13 ARC-2023-R13-AUG-22 ARC-R13
ONAPA RC-778	(Montreal-R13) - Arch Topic - Project Architecture Security Review processes	ARC-2023-R13 ARC-2023-R13-May-30 ARC-R13
ONAPA RC-774	(London-R12) - GenTopic - simplifying the use of Jira for project arch reviews	ARC-2022-R12 ARC-R12-GenTopic
ONAPA RC-773	Global Jira For ONAP Unmaintained Projects	ARC-2023-R12 ARC-R12
ONAPA RC-772	(London-R12) - Arch Topic - Unmaintained Projects	ARC-2022-R12 ARC-2023-R12 ARC-2023-R12-Mar-14
ONAPA RC-771	(London-R12) - Arch Topic - ARCCOM/Requirements Sub Streamlining)	ARC-2023-R12 ARC-2023-R12-Mar-07 ARC-2023-R12-Mar-14 ARC-2023-R12-May-09 ARC-2023-R12-May-16 ARC-2023-R13 ARC-R13
ONAPA RC-770	(London-R12) - Arch Topic - ONAP/Nephio Integration	ARC-2023-R12-Mar-07 ARC-R12
ONAPA RC-736	(Jakarta-R10) - Infra - OpenDayLight RESTCONF / RFC-8040 support (SDNC)	ARC2022-R10-Infra
ONAPA RC-719	(ARC-PROPOSAL) - Simplify Kafka-based DMaaP configuration and enhance its security and integration	ARC-PROPOSAL ARC2021-Sep-07
ONAPA RC-697	(Istanbul-R9) - Func - OOF-MUSIC Migration proposal	ARC2021-Apr-13
ONAPA RC-631	ONAP MVP for flow matrix	ARC2020-10-06
ONAPA RC-552	CNF Support	ONAPARC-2020-INITIATIVES
ONAPA RC-548	5G RAN Model	ARC2020-02-11 ONAPARC-2020-INITIATIVES
ONAPA RC-547	RUNTIME CONFIG DB / DATA PERSISTENCY U/	ARC2020-03-03 ONAPARC-2020-INITIATIVES
ONAPA RC-537	ONAP and ServiceMesh	ARC2019-12-03
ONAPA RC-532	ETSI-Alignment - SOL002 realization	ARC2019-12-10
ONAPA RC-531	CDS and GRPC	ARC2019-11-05 ARC2019-11-19
ONAPA RC-527	Centralized K8S Cloud Registry Framework	ARC2019-10-22

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Followup

Items that are finished from an architecture point of view, but not delivered into the the community:

Key	Summary	Labels
ONAPARC-725	(Jakarta-R10) - CompReview - Policy Framework	ARC-R10 ARC-R10-CompReview ARC2021-R10 ARC2022-R10-Jan-25
ONAPARC-602	Guilin-R7 ArchCom Review, REQ-343, ONAP SO Support Dynamic Orchestration	ARC2020-06-16
ONAPARC-551	Bootstrap minimal Vagrant environment for easier initial setup procedure	
ONAPARC-529	VSP compliance	ARC2019-11-05
ONAPARC-522	CDS support of K8s	ARC2019-10-15
ONAPARC-437	Helm Charts for M3DB	ARC-REQ-DUBLIN DAaaS PLANNED-FOR-DUBLIN
ONAPARC-393	Prometheus based Collection	ARC-REQ-DUBLIN DAaaS PLANNED-FOR-DUBLIN
ONAPARC-392	Kafka Broker via Helm Charts and Operators	ARC-REQ-DUBLIN DAaaS PLANNED-FOR-DUBLIN
ONAPARC-237	S-VNFM and ETSI alignment with SO plugin	ARC2018-DUBLIN-F2F

[9 issues](#)

Task Forces:

The architecture sub-committee can initiate tasks forces to progress specific topics. The output of the tasks forces are always reported back into the architecture sub-committee before further progressing towards the TSC or the ONAP projects. As per the nature of the architecture sub-committee the Task Forces are advisory by nature. The creation and termination of tasks forces are clearly announced in the architecture sub-committee meetings.

The current task forces are can be found here: [ONAP Architecture TaskForces - Ongoing \(New\)](#)

Meeting Contributions:

The meeting input and contributions can be found here: [ArchCom Contributions \(New\)](#)

Meeting logistics:

[Recurring meetings](#): Tuesdays, 1400-1600 UTC (starting June 13)

Meeting Minutes:

The meeting minutes can be found here: [ONAP Architecture Meeting Notes \(New\)](#)

Participating in ARC meetings

- Architecture subcommittee is contribution-driven
 - People can sign up for slots on the agenda
 - We will request people to develop proposals/presentations to discuss during meetings and via email
 - Looking for input from the community, including EUAG
- Mid-release, we will work with PTLs to schedule a walk-through