All Approved Projects

An approved project has received formal sign-off by the TSC to be a stand-alone ONAP Project. It does not mean that the project is still actively being maintained.

Project Name	Project State	Project Tech. Lead	Description	TSC Approval Date	Approved proposal version
AAF	Unmaintained	no active PTL formerly Jonathan Gathman	The goal of the project is to provide consistent authentication, authorization and security to various ONAP components. AAF organizes software authorizations so that applications, tools and services can match the access needed to perform job functions.	June 29, 2017	v.36
AAI	Mature	no active PTL formerly William Reehil formerly James Forsyth	**Active and Available Inventory** (AAI) is the ONAP subsystem that provides real-time views of Resources and Services and their relationships. AAI not only forms a registry of active, available, and assigned assets, it also maintains up-to-date views of the multidimensional relationships among these assets, including their relevance to different components of ONAP.	June 9, 2017	v.36
APPC	Unmaintained	no active PTL formerly Takamune Cho	The **Application Controller** (APPC) performs functions to manage the lifecycle of VNFs and their components providing model driven configuration, abstracts cloud/VNF interfaces for repeatable actions, uses vendor agnostic mechanisms (NETCONF, Chef via Chef Server and Ansible) and enables automation.	June 9, 2017	v.46
CCSDK	Mature	Dan Timoney	This project provides a common set of reusable code that can be used across multiple controllers. The Controller Design Studio (CDS) is part of Common Controller SDK (CCSDK).	June 9, 2017	v.39
CI-Man	Incubation	Jessica Wagantall	The **CI Management** project is dedicated to managing the code resources related to the CI systems. It is intended as a way for the community to collaborate on the design and management of the CI infrastructure where it is possible to do so.	June 8, 2017	N/A
CLAMP	Project has been merged with POLICY project ⚡ **REQ-684** DONE	merged; see POLICY project formerly Gervais-Martial Ngueko	CLAMP is a platform for designing and managing control loops. It is used to design a closed loop, configure it with specific parameters for a particular network service, then deploying and undeploying it. Once deployed, the user can also update the loop with new parameters during runtime, as well as suspending and restarting it.	June 8, 2017	v.37
CLI	Incubation	Dan Xu formerly user-67d6f	This project is providing required **Command-Line Interface**(CLI) as commands to operate ONAP functionalities from Unix or windows shell.	June 8, 2017	v.20
CPS	Incubation	Toine Siebelink	The **Configuration Persistence Service** is a platform component that is designed to serve as a model-driven data repository for run time data that needs to be persistent.	October 8, 2020	
DCAE	Mature	no active PTL Vijay Venkatesh Kumar formerly Lusheng Ji	DCAE is the umbrella name for a number of components collectively fulfilling the role of **Data Collection, Analytics, and Events** generation for ONAP. The architecture of DCAE targets flexible, plug-able, micros-service oriented, model based component deployment and service composition. DCAE also support multi-site collection and analytics operations which are essential for large ONAP deployments.	June 9, 2017	v.60
DMaaP	Mature	Fiachra Corcoran	**Data Movement as a Platform** is a premier platform for high performing and cost effective data movement services that transports and processes data from any source to any target with the format, quality, security, and concurrency required to serve the business and customer needs.	June 23, 2017	v.32
Doc	Incubation	Thomas Kulik formerly Sofia Wallin	**Documentation** creates and maintains documentation targeted to ONAP user audiences and the tasks they perform.	June 9, 2017	v.41

ExtAPI	Unmaintained	no active PTL formerly Adrian OSullivan	The **External API Framework** project describes and defines the APIs between ONAP and External Systems, including ONAP interfaces targeted on BSS/OSS, peering, B2B, etc.	June 9, 2017	v.48
Holmes	Incubation	Guangrong Fu	Holmes project provides alarm correlation and analysis for Telecom cloud infrastructure and services, including hosts, vims, VNFs and NSs. Holmes aims to find the real reason which causes the failure or degradation of services by digging into the ocean of events collected from different levels of the Telecom cloud.	June 9, 2017	v.29
Integration	Incubation	Marek Szwakiewicz formerly Micha Jagieo	Integration is responsible for ONAP cross-project system integration, CI/CD, and all related end-to-end release use cases testing with VNFs necessary for the successful delivery and industry adaption of the ONAP project as a whole.	June 8, 2017	v.71
Logging	Unmaintained	no active PTL formerly Prudence Au	ONAP consists of many components and containers, and consequently writes to many logfiles. The volume of logger output may be enormous, especially when debugging. Large, disparate logfiles are difficult to monitor and analyze, and tracing requests across many files, file systems and containers is untenable without tooling.	June 29, 2017	v.9
Modeling	Mature	Hui Deng	The unified model-driven approach uses models as sources of data for generating processes/codes and following workflows (not code development as source) – this way, the system can be more flexible and future proof, easy to update and use for cross-platform solutions since the "only" thing needed is Model update and manipulation through Engine.	June 9, 2017	v.66
MSB	Incubation	Jinquan Ni formerly HuabingZhao	**Microservices Bus** provide key infrastructure functionalities to support Microservice Architecture including service registration /discovery, service gateway, service load balancer.	June 8, 2017	v.73
MultiCloud	Mature	Bin Yang	**Multi-VIM/Cloud** project aims to enable ONAP to deploy and run on multiple infrastructure environments, for example, OpenStack and its different distributions (e.g. vanilla OpenStack, Wind River, etc...), public and private clouds (e.g. VMware, Azure), and micro services containers, etc.	June 8, 2017	v.87
Music	Unmaintained	no active PTL formerly Bharath Balasubramanian	In this project, we identify common state management concerns across ONAP components and provide a multi-site state coordination/management service (MUSIC) with a rich suite of recipes that each ONAP component can simply configure and use for their state-management needs.	Jan 16, 2018	v.57
OOF	Mature	no active PTL formerly krishna moorthy	**ONAP Optimization Framework** This project currently provides the following two core platform optimization services, which are built to be service independent, policy driven, and extensible along with an optimization framework to enhance these or creating new services.	June 23, 2017	v.42
OOM	Incubation	PTL required (as of 22/03/15) formerly Sylvain Desbureaux	This proposal introduces the ONAP Platform OOM (**ONAP Operations Manager**) to efficiently Deploy, Manage, Operate the ONAP platform and its components (e.g. MSO, DCAE, SDC, etc.) and infrastructure (VMs, Containers).	June 8, 2017	v.70
Policy	Mature	Liam Fallon formerly Jim Hahn	The **Policy subsystem** of ONAP maintains, distributes, and operates on the set of rules that underlie ONAP's control, orchestration, and management functions. Policy provides a centralized environment for the creation and management of easily-updatable conditional rules.	June 8, 2017	v.46
PortalNG	Incubation	Georg Schweflinghaus	A new web based user interface that serves as the first discovery point for the ONAP framework, it's existing web applications and functions.	08 Dec 2022	v.2
Portal	Unmaintained	no active PTL formerly Sunder Tattavarada formerly Manoop Talasila	The **ONAP Portal** is a platform that provides the ability to integrate different ONAP applications into a centralized Portal Core.	June 8, 2017	v.22

SDC	Mature	Michael Morris formerly Christophe Closset	**Service Design & Creation** provides a well-structured organization of visual design & testing tools, templates and catalogs to model and create resources, and services. The output of the SDC is a set of models which drives the orchestration.	June 8, 2017	v.48
SDN-C	Mature	Dan Timoney	The **Software Defined Network Controller** project provides a global network controller, built on the Common Controller Framework, which manages, assigns and provisions network resources.	June 9, 2017	v.61
SO	Mature	Seshu Kumar Mudiganti	The **ONAP Service Orchestrator** provides the highest level of service orchestration in the ONAP architecture. SO is implemented via BPMN flows that operate on Models distributed from SDC that describe the Services and associated VNFs and other Resource components.	June 9, 2017	v.59
University	Incubation	Nermin Mohamed	Provide overview of the ONAP University training courses for users, developers and any other interested parties of member and non-member companies.	June 22, 2017	v.9
UUI	Mature	Keguang He formerly xu ran	The ONAP **Usecase UI** project is the ONAP subsystem that provides Graphical User Interface (GUI) for operators and end-users from the point of view of use cases.	June 8, 2017	v.30
VF-C	Mature	no active PTL Yuanhong Deng	The **Virtual Function Controller** leverages ETSI NFV MANO architecture and information model as a reference, and implements full life cycle management and FCAPS of VNF and NS.	June 8, 2017	v.69
VID	Unmaintained	no active PTL formerly Ikram Ikramullah formerly Ofir Sonsino formerly Amichai Hemli	**Virtual Infrastructure Deployment** provides a well-structured organization of infrastructure deployment, instantiation and change-management operations used by Operations to derive orchestrations and change-management.	June 8, 2017	v.12
VNFReq	Incubation	no active PTL former Trevor Lovett	The **VNF Requirements** creates and maintains VNF Requirements targeted to VNF Provider and Services Provider and the tasks they perform.	June 9, 2017	v.20
VNFSDK	Incubation	Dan Xu formerly user-67d6f	VNF onboarding is a challenge across the industry because of the lack of a standard format for VNFs. This project will build an ecosystem for ONAP compatible VNFs by developing tools for vendor CI/CD toolchains and developing validation and testing tools	June 8, 2017	v.61
VVP	Incubation	no activer PTL formerly steven stark	The **VNF Validation project** is to develop a validation program to provide assurance of VNF interoperability with ONAP. Obtaining a validation shall be a self-service activity and should be against a reference release of ONAP for use by the VNF provider & any other validation authority.	June 22, 2017	v.25