Lakelse Release Highlights

Project, Workstrean or committe	Best contact for followup questions (Use @ notation)	What has changed?	Why is this significant/beneficial to a user/consumer of Anuket?	Notes, links to more information, etc.
Barometer	Emma Foley	Release Summary	The main efforts this cycle were in improved automation, enabling easier testing and	
		Added unixsock plugin to one-click install.	The containers were undated to more modern OSes and reduced in size to make them	
		Add ansible playbook for building the containers locally.	quicker and easier to deploy.	
		Since the anuket dockerhub repository was created, and containers are being pushed to there, instructions and build scripts have been updated to reflect this.		
		Testing playbooks were added to compare collectd5 vs collectd6, for the purpose of helping to review new PRs by comparing the generated metrics between versions.		
		Remove dpdkstats and dpdkevents from Barometer.		
		Enable the Logparser plugin by default when using one-click install.		
		Testing Notes		
		 Added a playbook to compare collectd 5 and collectd 6. The playbook uses existing ansible roles to build both collectd 5 and collectd 6 container images, creates a common configuration, then runs the containers and shows the outputs to let the user inspect the metrics and whether they match. 		
		Documentation Updates		
		 Docs have been updated to use anuket/ repository in dockerhub. Container build instructions now use anuket/ prefix to tag images. 		
		Container updates		
		 Containers are now pulled from anuket/ repository in dockerhub. 		
		 Add a flask app for testing collectd using metrics sent via write_http plugin. 		
		 Grafana container was updated to support both jiffies and percent for cpu metrics. 		
		Ansible playbook updates		
		 Added unixsock plugin to one-click install, which allows the user to interact with collectd using the collectdctl command in the bar-collectd' containers. The unixsock plugin is useful for debugging issues in collectd, and can be used to verify that metrics are being collected without having to create CSV files or log into the container. 		
		 Added a playbook and role for building the collectd containers locally. This automates the actions described in the docker install guide. The barometer-collectd. barometer-collectd-latest and the barometer- collectd-experimental containers are now easier to build locally. The barometer-collectd-6 and bar ometer-collectd-experimental containers can also be built with arbitrary PRs applied, to aid in testing locally. 		
		 Containers are now pulled from anuker/ repository in dockerhub. 		
		 The logparser plugin is now rendered for all flavours. The Logparser plugin has been part of collectd since 5.11, however, the ansible playbooks had it marked as experimental, and would not deploy it by default. 		
		Build script updates		
		 Update collectd_apply_pull_request.sh to rebase only if multiple chanegs are selected. The script will checkout the PR branch if there's only one PR_ID passed. 		
		Normal Bug Fixes		
		 Update the grafana dashboard to show metrics in both jffies and percent, depending on what is configured. 		

The dpdkstats and dpdkevents plugins were removed from Barometer. These plugins are still available in collectd, however, will not be deployed by Barometer. It is recommended that the DPDK telemetry plugin be used instead.	
Other Notes	
 Add reno and corresponding tox jobs (compile notes and add new notes) to make compiling release notes easier 	
VinePerf Sridhar Rao • Traffic generator: • Support for DPD-Prox is added. This is the sixth traffic generator supported by ViNePerf. • Trastic generator: support for DPD-Prox is added. This is the sixth traffic generator supported by ViNePerf. • User can use DPPD-Prox with ViNePerf. DPPD-Prox users can take advantage of ViNePerfs ability to setup DUTs, manage Trafficgenerator, manage tests, manage is the support to the object provide better latency results. • ViNePerf container and corresponding pod-deployment file is included. • VinePerf as significantly enhanced its framework to support Support do to to deploy pods via helm-charts is added. This tool also extracts all the deployed pods and corresponding service information. • Deployment of different CNIs (userspace, sirvo, calico, cilium, multus, and danny are supported. • Custom DPPD-Prox and T-Rex containers are added for thus. and danny are supported. • Additional Features • Run ViNePerf as point included to support Inde is added for this use case. • Dedicated k8's mode is included for Kubernetes data plane testing. • Miscellaneous • More changes made to be consistent with the name change from VSwitchPerf to ViNePerf. • K8S Dataplane Benchmarking work is accepted to be published in IEEE Globecom 2021. • K8S Dataplane Benchmarking work is accepted to be published in IEEE Globecom 2021.	of e es.
CIRV Sridhar Rao • Reorganization and Enhancement of Platform Description File - The single large PDF is broken down into multiple logical entities to include both Openstack and Kubernetes Support. • Kubernetes Post-Deployment Validation. Includes 12 custom post-deployment validations.	uster
Airship	
RM Walter Kozlowski Hybrid Multi-cloud actor and interaction model has been significantly evolved Storage section has been further developed improving consumption and production models Security alignment with industry standards, in collaboration with GMSMA FASG and LFN Security Forum Alignment of Acceleration Abstraction model with ORAN Reference Model Kali release contents was published as GSMA NG Permanent Reference Document NG.126 The telco cloud is evolving towards a hybrid multi-cloud deployment model. The RM Lak defines a generic abstract powerful model that is of value to the Reference Acchitectures a generic abstract powerful model that is of value to the Reference Acchitectures a generic abstract powerful model that is of value to the Reference Acchitectures a generic abstract powerful model that is of value to the Reference Acchitectures a generic abstract powerful model that is of value to the Reference Acchitectures a generic abstract powerful model that is of value to the Reference Acchitectures a generic abstract powerful model and elable releases in the industry. The growing interest in security, especially related to 5G an automation, was reflected in the Lakelse release. The infrastructure security guidelines have been referenced by GSMA 5G documents making RM work widely accessible for the lecommunication industry participants.	else and in in RM he
RA1 Karine Sevilla • The latest release of RA1 specifications conforms to the OpenStack Wallaby release. • The latest release of RA1 specifications conforms to the OpenStack Wallaby release. • RA1 now supports a more recent OpenStack release in addition to the widely used Train release version. The increasing use of accelerators (software and hardware-based), rec for 5G, IoT, and ML among others, requires support for their management. Cyborg provide accelerators such as GPU, FPGA, ASIC, NP, SOCS, etc.) management framework, as an optional service. • Submitted RA1 (AK) release specifications were resubmitted RA1 (KA) release specifications were submitted for publication as a GSMA Permanent Reference Document. • RA1 now supports a more recent OpenStack release in addition to the widely used Train release version. The increasing use of accelerators (I.e., various types of accelerators (I.e., various types of accelerators such as GPU, FPGA, ASIC, NP, SOCS, etc.) management framework, as an optional service.	i luired des) and,
RA2 Riccardo Gasparetto Stori • The specifications were updated to the latest release of Kubernetes, 1.22 • As Kubernetes releases have a fast pace, users can refer to RA2 specifications to increat their conformance to an ever evolving platform. * Stori • The specifications were updated to the latest release of Kubernetes, 1.22 • As Kubernetes releases have a fast pace, users can refer to RA2 specifications to increat their conformance to an ever evolving platform. * Hair conformance to an ever evolving platform. • The new chapters and specifications on security and multitenancy are completing core p of the Cloud Native Telco Cloud architecture. * Linked specifications with RC2/Kuberef tests in order to track what requirements drive conformance testing of Kubenetes clusters. • Iniking to Conformance testing helps final users benchmark implementations of the plat and ensure consistency with the Architecture.	arts
RC1	
RC2	
RI2 Rihab Banday Update of Kubernetes components and features Update of RI2/Kuberef Cookbook to reflect new changes Support for RI2 deployment on VMs	oling.