OpenDaylight Fluorine Developer Design Forum

Sunday, March 25th

This event is for current and new developers interested in participating in the OpenDaylight Fluorine release cycle.

Registration for ONS: NA is required to attend this event. Contributors who have worked on OpenDaylight within the last 6 months are eligible for a 50% discount. If you need help with this, please reach out to Casey Cain.

Event Locaion, Directions, Wifi and Lunch information

This event will be live broadcast and recorded using Zoom.

https://zoom.us/j/173499450

Topics:

If you have a topic you'd like to discuss at this event, please list it below.

NOTE: The schedule below is a work-in-progress and may get rearranged based on what makes the most sense and availability of folks.

Time	Title	Speakers (Name /Email)	Target Audience	Abstract	Notes
Sunday, March 25	○ *Cross Campus* ***800 Wilshire Blvd*** ***Los Angeles, CA 90017*** ***Walking directions***				
9:00-9:05	Welcome	Abhijit Kumbhare, Casey Cain			
9:05-10:00	New OpenDaylight Release Model	Daniel Farrell, Jamo Luhrsen, Luis Gomez, Sam Hague, An Ho, Anil Vishnoi		Learn about the new release model OpenDaylight will move to in Fluorene.	
10:00-10:15	AM Break				
10:15-11:00	Nitrogen/Oxygen release lessons, future approaches	Stephen Kitt, Michael Vorburger		Oxygen saw yet another transition, the odlparent 3 / yangtools 2 migration, which proved more painful than anticipated. This session will attempt to go over the lessons we need to learn, and discuss possible avenues for improvement.	
11:00-11:45	Tools for evolving ODL	Luis Gomez		It is clear ODL is evolving, changes in the release process like upstream & downstream projects releasing out of SR require new tools to effectively handle CI/CD in such conditions. I would expect this to be a brainstorm session and ideally evaluate the effort for building such tools.	
11:45-1:00	Lunch			Recommending Mas Malo (menu) for lunch. This is also being recommended to the XCI OPNFV Group. Link to Google Directions	
1:00-3:00	NetVirt Project Planning	Sam Hague		Discussion around new features for Flourine.	
3:00-3:10	PM Break				
3:10-3:50	Status update on Neutron (OpenStack and ODL)	Isaku Yamahata		This session discusses/introduces planned changed in ODL Neutron and updated on openstack networkinng-odl changes. l3 flavor is described in detail.	
3:50-4:15	COE project planning	Prem Sankar G, Faseela K		Discussion around new features for Fluorine	
4:15-4:45	Round Table Discussion on top issues facing OpenDaylight & miscellaneous topics	Abhijit Kumbhare & everyone else		Discussion on what the community thinks are the top issues of ODL. Also miscellaneous topics like infra, groups.io, etc.	
4:45-5:00	Wrap-Up				

Monday, March 26	**Room: Echo Park (Containers)**				
1:00-2:00	Kernel project planning	Stephen Kitt		Discussion of features planned for Fluorine in kernel projects.	
2:00-3:00	What utilities are available to you from project infrautils	Michael Vorburger		We'll take a closer look at the various technical platform features available from project infrautils, what's in, what's new and what's coming: ready, caches, jobcoordinator, diagstatus, inject, testutils, itestutils, other utils incl. concurrent, parent incl. error-prone & modernizer-maven-plugin, metrics, odl.simple, tracing.	
3:00-3:30	PM Break				
3:30-4:15	Introduction and demo of the infrautils.metrics API and its implementations, incl. support for Prometheus.io from the CNCF	Michael Vorburger		The ODL infrautils project proposes a new API to expose metrics from ODL SDN applications. This API is currently in the process of being adopted accross the genius and netvirt projects, and could be of interest and used by other ODL projects as well. The infrautils.metrics API currently already has 2 implementations available (and more could be written). The first one uses a built-in Codehale's Dropwizard Metrics library and exposes metrics via JMX and can dump metrics to local files at regular intervals. The second one offers up metrics over HTTP to an external https://prometheus.io metrics server scraping from ODL, and can do all sorts of interesting things... (Prometheus is one of the projects of the Cloud Native Computing Foundation https://www.cncf.io.). A 3rd implementation supporting OpenStack Ceilometer from contributors would be interesting.	
4:15-5:00	OpenDaylight Performance and Scale Considerations in OpenStack	Sai Sindhur Malleni Sridhar Gaddam Aswin Suryanarayanan		We will go over some of the performance and scale testing that has been done in the previous releases and touch upon items that need attention from the developers in this release. Scale, stability and performance of networking-odl and ODL will be the main focus of this talk. We will also try to arrive at a plan for identifying performance and scale issues pre-emptively.	
5:00-5:55	ODL SW Quality metrics	Brady Johnson, Tom Pantelis, Ryan Goulding	Mainly ODL developers	I would like to discuss starting to collect automated ODL Software Quality metrics from areas like findbugs, checkstyle, and Sonar. For the Fluorine release, I would like to just start collecting these metrics, and starting in the Neon release, these metrics should be a part of the Managed release process.	
5:55-6:00	Wrap-Up				
Tuesday, March 27	**Room: Echo Park**				
9:00-10:00	Pragmatic Upgrades of OpenDaylight by "full journal replay" from OpenStack Neutron	Josh Hershberg, Michael Vorburger	Everyone	We'll describe how we are going about addressing both minor & major upgrades of ODL.	
10:00-10:15	AM Break				
10:15-11:15	ODL distribution tutorial	Luis Gomez		To those interested in learning how the distribution gets assembled in ODL, how to do regular operations like add/remove project from distribution and how to troubleshoot typical issues: distribution build failure, SFT memory problems, etc.	
11:15-11:30	Wrap-Up				