

# 2022-07-06 Agenda and Minutes

New Time: 6AM Pacific Wednesday. 3PM CEST, 1PM GMT, 0630 India time

## Attendees

[Al Morton](#) [Sridhar Rao](#) Intern Shivank Chaudhary

Item	Desc	who	Notes/minutes
	Shivank's Intern update		<p>Need to do install Fedora 36 on Node 4, other upgrades have not worked for eBPF applications.</p> <p>Trex and PROX are running on Node 5 using Node 4 eBPF as loopback</p> <p>Next phase is using k8s pod for loopback and Cilium CNI on Node 4 (this is a 6 month Internship).</p>
	Tasks and Action Plan for Shivank		<ol style="list-style-type: none"><li>1. Get access to the Testbed (Pod12)</li><li>2. Demonstrate how to use Prox and T-Rex on Node-5</li><li>3. Start with Baremetal and eBPF: Node-5 and Node-4</li><li>4. Kubernetes Cluster Setup - Node-1 and Node-2: Install Necessary Components.</li></ol>
	Intern: ToDos before 6th		<ol style="list-style-type: none"><li>1. Accept ICLA in Gerrit.</li><li>2. Open Jira ticket for VPN Access to Intel Pod12.</li><li>3. Add SSH key to gerrit.</li><li>4. Create Jira tickets (a) Story (b) Tasks.</li></ol>
	Open Programmable Interface Project (Linux OPI)	Sridhar	<p>New project, forming governing board now.</p> <p>Change CPU NIC architecture, more autonomy and CPU power goes to NIC in OPI, more than smart NIC now. New Trust boundary between Autonomous NIC and CPU.</p> <p>Opportunity for Benchmarking work with us.</p> <p>Need to know planned NIC speeds, Need NIC HW to benchmark.</p>
	Testbed - IXIA support	Sridhar/AI	<p>2nd ACTION: Do we have support from Ancuta or other IXIA person? <a href="#">Al Morton</a> sent e-mail</p> <p>ACTION: License for IXIA HW - Check with Trevor</p> <p><a href="#">Trevor Cooper</a> says connected and powered on, but we still might have a license issue. Need Pierre's help.</p> <p>11 May 2022 this seems to have stalled ...</p>
	Additional Mentoring input	Sridhar /Federica	<p>python scripting with K8s is possible for some students in 3rd year. Projects must have resume value, add skill set or new experience.</p> <p><a href="#">Sridhar Rao</a> created some projects.</p> <p>ACTION: See proposals &amp; review</p> <p><a href="https://wiki.anuket.io/display/HOME/Potential+Projects+for+Student+Volunteers">https://wiki.anuket.io/display/HOME/Potential+Projects+for+Student+Volunteers</a></p>
	Intern work	Sridhar/AI /Federica /Shivank	<p><a href="#">XDP performance Studies for Cloud-Native NFV Use Cases</a></p> <p>"<a href="#">Maryam Tahhan joins the crew to talk XDP, AF_XDP, and fast networking</a>"</p> <p>Operations support seems to be a big issue, and performance is currently about 0.7 of VPP and DPDK</p>
	Blosure to Daniele's work and see if there is anything worth publishing, may consider less-selective conferences if novelty is less	Sridhar	Bring to next meeting - ACTION

## DONE - Progress for Moselle (summary: items 5,6,and 7 lack the necessary automated address discovery feature, defer)

see [Moselle Release](#)

1	Epic-VINEPERF-672:Create Tools as part of moselle release	1. Done (Yet to submit the patch) 2. Another - Will not implement - Idea is already stale.	CCLA for Moselle release (LF as C)  CCLA issue resolved 27 Apr 2022  Patch is submitted - Done.		
2	Epic-VINEPERF-671:Add support for newer software versions	Completed testing.	Done		
3	Epic-VINEPERF-670:Create clean workflows for Baremetal, Openstack and Kubernetes Usecases	Workflows are drawn-up. Implementation may need few more days. Request for 1 week more.	Minor work needed for K8s Workflow  <b>DONE??? I think so.</b>		
4	Epic-VINEPERF-669:Improve Stability for moselle Release	1. Bug Fixes (2 patches)	Done		
5	Epic-VINEPERF-652:Enhance XTesting-ViNePerf Integration	Moved to Next Release	depends on 7		
6	Task-VINEPERF-658:Enhance framework for XTesting-K8s Usecase	Partially done (reading results from output), Deployment tool.	1 task remains		
7	Task-VINEPERF-654:XTesting-ViNePerf Integration Enhancement - Kubernetes	Will not implement due to limitations with CNIs. Moved to Next release - if CNIs support this.	Need CNI to add flows automatically in Switches (Userspace-CNI, supports DPDK, OVS, VPP). Major impediment to integrate with X-Testing  Sridhar will check with Xavier if ARP resolution is supported in Prox as a switch  TBD		
8	Task-VINEPERF-653:XTesting-ViNePerf Enhancement - Openstack [OLD]	Done			
9	Epic-VINEPERF-638:Dataplane performance testing for various internal (within cloud) scenarios	Completed - Yet to submit the patches - Done	Danielle will submit patches after Thesis on Friday, Monday 04/25  27 Apr 2022 After review tomorrow, Daniele will submit the patch.  <a href="#">Al Morton</a> will need to review (big patch with documentation) - Done 11 May 2022		
10	Task-VINEPERF-643:Pod-Pod Communication				

## ACTION ITEMS