

DPDK Summit Presents Userspace 2015 in Dublin, Ireland October 8-9, 2015

Thursday 8th October 2015

Time	Title	Speaker
8:30 - 9:00	Registration: Pick up your badge and T-Shirt (kindly sponsored by Cisco) and choose your discussion threads	
9:00 - 9:15	Opening	Siobhan Butler Tim O'Driscoll
Presentations: Presentations will be 45 minutes in length, with 15 minutes for questions/discussion.		
9:15 - 10:15	<i>Project growth & Next steps</i>	Thomas Monjalon
10:15 - 11:15	<i>Packet Framework</i>	Cristian Dumitrescu
11:15 - 11:30	Break	
11:30 - 12:30	<i>DPDK –Accelerated Open vSwitch</i>	Thomas Herbert Kevin Traynor, Mark Gray, Ciara Loftus
12:30 - 1:30	Break for Lunch	
Discussion Sessions: These are open discussions on topics of interest to the community that anybody can contribute to. Three topics are scheduled in parallel. This is partly for timing reasons so that we can fit everything in, and also partly to keep the numbers in each discussion small so that they can be more interactive. This does mean that people will need to choose the topic that's of most interest to them, and can't attend everything.		
1:30-3:30	<i>Virtualised Data Plane Performance:</i> <ul style="list-style-type: none"> Planned and future improvements to vhost/virtio performance. What bottlenecks exist and how can we address those? What else can be done to improve DPDK performance for NFV applications? 	Huawei Xie Mark Gray
	<i>TCP/IP Stack Integration with DPDK:</i> <ul style="list-style-type: none"> What are the community needs for TCP/IP stacks integrated with DPDK? What solutions currently exist? What can be done to make DPDK easier to integrate with TCP/IP stacks? 	Keith Wiles Konstantin Ananyev
	<i>Project Structure:</i> <ul style="list-style-type: none"> How do we further increase the DPDK "brand"? What bottlenecks exist that will prevent the project from scaling, and what can be done to remove those? What's the perception of DPDK amongst current and potential users/contributors, and how do we improve that? 	Tim O'Driscoll
3:30 – 3:45	Break	
3:45 – Close	<i>Containers:</i> <ul style="list-style-type: none"> How much community interest is there in running DPDK in Containers? What bottlenecks/issues do people see and how can we address these? 	Cristian Dumitrescu

	<i>Usability and Ease of Use:</i> <ul style="list-style-type: none"> • What can be done to make DPDK easier to use/configure, and therefore help to increase adoption? • Can improvements be made to the install process, can some of the configuration be automated, would restructuring or improvements to the documentation help to make the project easier to use? 	John McNamara
	<i>Testing:</i> <ul style="list-style-type: none"> • How widely used is the DPDK Test Suite, and what can we do to increase adoption? • What else can be done to improve the quality of DPDK? • What other improvements can be made to help catch errors in patches earlier? 	Marvin (Yong) Liu Pablo De Lara Guarch
~5:45	Close	
7:00	Evening entertainment - Hibernian Club	

Friday 9th October 2015

Time	Type	Speaker
Presentations: Presentations will be 45 minutes in length, with 15 minutes for questions/discussion.		
9:00 - 10:00	<i>The 7 Deadly Sins ... of Packet Processing</i>	Venky Venkatesan Bruce Richardson
10:00 - 11:00	<i>Memory Management</i>	Andras Kovacs László Vadkerti
11:00 - 11:15	Break	
11:15 – 1:00	<i>DPDK Integration Journey</i>	Roger Melton Andrew Harvey
	<i>DPDK Architecture Musings</i>	
1:00 - 2:00	Break for Lunch	
Lightning Talks: Short, 15-minute presentations on topics of interest to the DPDK community.		
2:00 – 2:15	<i>Dynamic NFV Deployment with Port Hotplug and Virtio</i>	Tetsuya Mukawa
2:15 - 2:30	<i>OpenDataPlane(ODP): A Quick Introduction and Overview</i>	Bill Fiscofer
2:30 - 2:45	<i>Crypto Dev</i>	Declan Doherty
2:45 - 3:00	<i>Update on DPDK Performance</i>	Stephen Hemminger
3:00 - 3:15	Break	
3:15 - 3:30	<i>Hyperscan</i>	Mohammad Abdul Awal
3:30 - 3:45	<i>T-Rex Realistic Packet Generator</i>	Hanoch Haim
3:45 – 4:15	<i>Open Mic Time (up to 10 min pp)</i>	Sign up board available throughout the day
4:15-4:30	Close	Jim St Leger