DPDK Summit Kick-off

Jim St. Leger, Intel

@JimStLeger

DPDK Summit - San Jose – 2016

Welcome To The DPDK Summit 2016

https://www.meetup.com/Out-Of-The-Box-Network-Developers/

Welcome

Out Of The Box Network Developers

DPDK

Home | Members | Sponsors | Photos | Discussions | More | Join us!

Santa Clara, CA
Founded Feb 25, 2016

Members	620
Upcoming Meetups	2
Past Meetups	11
Our calendar	

Help support your Meetup

Chip In

Organizers:

Sujata Tibrewala
and 1 more...

Networking industry is at an inflection point . What happened to mainframes a few years ago is happening to networks today . It is time to work on networking software develop apps which will be the next big thing out of your garage . Design and Architect your own system , define your own functionality , your imagination is the only limit . We will just give you the tools in this meet up . Intel has been part of the open networking revolution for some time now . We have been optimizing tools such as Data Path Development Kit , Enhanced Platform awareness , Quick assist (data encryption and compression) , Single Root I/O Virtualization, VT-d etc to make it easy to use General Purpose Computers for switching and routing . We will be organizing talks and halkathons around all these technologies and more as we go along the way . In the meantime you can log on to our networking developer zone:

https://software.intel.com/en-us/networking

We are looking forward to see you there and also hear from you what you want to see there to help you learn.

Join us

Join us and be the first to know when new Meetups are scheduled

Who do I know here?

Log in with Facebook to find out

By creating a Meetup account, you agree to the Terms of Service

Welcome!

What's new

COMMUNITY

#DPDKSummit

Why Are We Here?

- Meet
- Listen
- Learn
- Discuss
- Improve
- Grow

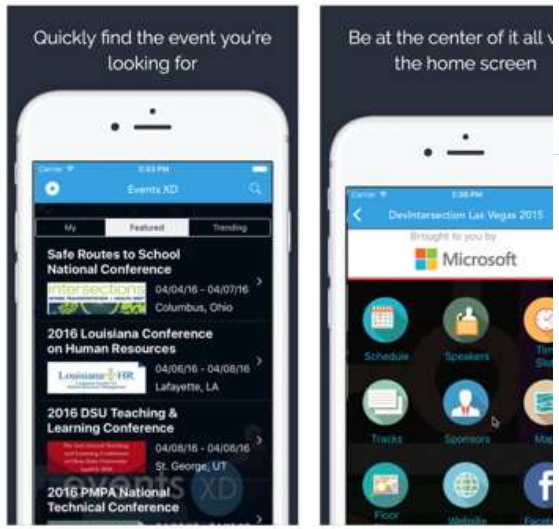
Some Logistical Help

- WiFi – Yes!
- Look at the back of your badge

Event Agenda, Details, Slides - EventsXD

events XD

http://eventsxd.com/



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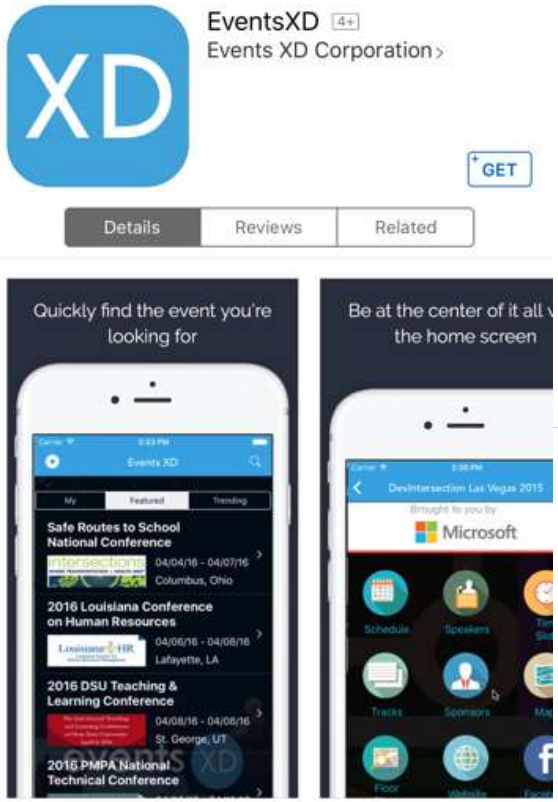

Sorry…

…get a Windows VM, use your smartphone or tablet, or follow online

Event Agenda, Details, Slides - EventsXD

http://eventsxd.com/

#DPDKSummit

DPDK Summit Speakers

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Silicom Ltd. Connectivity Solutions

Stanford University

UBC THE UNIVERSITY OF BRITISH COLUMBIA

UMASS LOWELL

*Other names and brands may be claimed as the property of others. #DPDKSummit

DPDK Summit Topic Tracks

Agenda – Day 1

Time	Topic	Speaker
9-9:15	Kickoff	Jim St. Leger
9:15-9:45	Roadmap	Tim O'Driscoll
9:45-10:30	DPDK & SoCs	Hemant Agrawal
10:30-11:00	Event Driven Programming RFC	Jerin Jacob
11:00-11:15	**Break**	
11:15-11:45	DPDK Crypto API	Deepak Jain
11:45-12:30	DPDK User Perspective	Sowmini Varadhan
12:30-1:30	**Lunch**	**Rooftop Terrace**

Time	Topic	Speaker
1:30-2:15	Flow Classification	Charlie Tai Sameh Gobriel
2:15-3:00	Max I/O Perf	Helin Zhang M Jay
3:00-3:45	100G SSL & OVS	Eyal Cohen
3:45-4:00	**Break**	
4:00-4:15	Virtual Network Packet Monitoring	Dharmraj Jhatakia
4:15-4:30	vPE & FD.io	Cristian Dumitrescu
4:30-5:45	Technical Panel	Various
6:00-8:00	**Networking Reception**	**Rooftop Terrace**

Agenda – Day 2

Time	Topic	Speaker
9:00-9:30	Vhost-user/Virtio	Yuanhan Liu
9:30-10:00	Virtio for Containers	Steve Liang
10:00-10:30	Understanding DPDK Performance	Dr. Peilong Li
10:30-10:45	**Break**	
10:45-11:15	vSwitches: FD.io/VPP vs OVS	Thomas Herbert
11:15-11:45	PISCES SW Switch	Sean Choi
11:45-12:15	BESS: Berkeley Ext Soft Switch	Christian Maciocco
12:15-1:15	**Lunch**	**Rooftop Terrace**
1:15-2:00	Decibel: Data Center Storage	Mihir Nanavati
2:00-2:15	Scale-out NFV Environment: Routing VNFs	Tomoyo Hibi, Yoshihiro Nakajima, Hirokaza Takahashi

Time	Topic	Speaker
2:15-2:30	TLDK in FD.io	Konstantin Ananyev
2:30-2:45	DPDK in Overlay Networks	Aniket Daptari
2:45-3:00	Service Slicing Gateway	Hayato Momma
3:00-3:15	Programmable Data Planes	Prem Jonnalagadda
3:15-3:30	**Break**	
3:30-4:00	Upstreaming DPDK Code	John McNamara
4:00-4:30	Putting DPDK in Production	Anita Tragler Franck Baudin
4:30-5:00	DPDK Survey	Mike Glynn
5:00-5:15	DPDK In A Box	Dave Hunt
5:15-5:25	**Summit Close**	**Jim St. Leger**

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	/Virtio	Yuanhan Liu
	ve Liang	
10:00-10:3	D	
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Open Source Networking Software News

Open vSwitch Joins Linux Foundation Open Networking Ecosystem

SAN FRANCISCO – AUGUST 09, 2016 – The Linux Foundation, the nonprofit advancing professional open source management for mass collaboration today is announcing that Open vSwitch (OVS) is now a Linux Foundation Project. Open vSwitch is an open source virtual switch designed to enable network automation while supporting standard management interfaces and protocols.

In modern data centers, networking functions are increasingly performed by software running on servers, either as part of the application or within a hypervisor. While the traditional Layer-2 Linux bridge addresses many common networking tasks, Open vSwitch was created with a robust set of features and a high performance design to address the rapidly growing needs of SDN and virtual networking use cases.

Today, OVS is used within multiple commercial products as well as large production environments. OVS has been ported to multiple virtualization platforms, switching chipsets, and networking hardware accelerators. OVS works on a wide variety of systems, including Linux, DPDK, Hyper-V, and FreeBSD. It is used in a variety of SDN applications, including NFV and network virtualization; it is the most widely used networking back-end in OpenStack.

Multilateral Professional Courtesy

- Focused listening
- Interactive discussions, but…
- Mind the clock
- Community networking

Let’s get started!

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