15th ANNUAL WORKSHOP 2019

WELCOME

March 19, 2019

HOW QUICKLY THINGS CAN CHANGE … A REMINDER

Upstream

hardware vendor

OFED

Distros

hardware vendor

Upstream

OFED

Distros

Then → Now
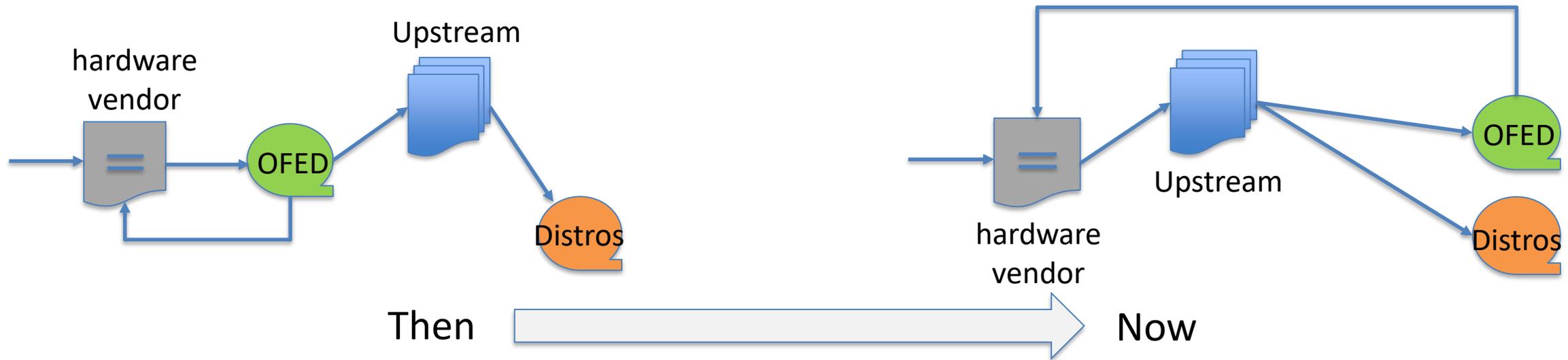
An innocuous change, made to improve efficiency and reduce release cycles, has had a profound impact
- ➤ It opened the door to moving OpenFabrics Software from OFA repos to GitHub
- ➤ As a result, the Open Community adopted and maintains the code now known as the RDMA Subsystem
- ➤ That drove us to re-visit our Bylaws since our Intellectual Property requirements had shifted
- ➤ Which drove a review of the OFA's mission

This was ALL Goodness!

caveat: these drawings are necessarily simplified

THE MISSION

We set out in 2017 to update our Bylaws, but quickly discovered that they were designed to support the development, licensing, and release of "OpenFabrics Software"

So we backed up and asked ourselves a very tough question: "What exactly is our purpose?"

"The mission of the OpenFabrics Alliance (OFA) is to accelerate the development and adoption of advanced fabrics for the benefit of the advanced networks ecosystem.

The mission is accomplished by; creating opportunities for collaboration among those who develop and deploy such fabrics, incubating and evolving vendor independent open source software for fabrics, and supporting and promoting the use of such fabric technology software."

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THE FIVE PILLARS

Enables the development of software for fabrics – Advanced Network Software

Provides a forum for collaboration, communication and education to support fabric technologies

Promotes fabric technologies, including emerging usages for such technologies

Provides programs to support fabric technology such as training, testing, validation

Facilitates partnerships with related organizations and communities such as SNIA, Linux kernel communities, and others

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BUILDING A WORKSHOP

"Provides a forum for collaboration, communication and education"

"Enables the development of software for fabrics"

"Promotes fabric technologies"

Facilitates partnerships with related organizations and communities"

"Promotes fabric technologies"

"Provides programs for testing and validation"

"Enables the development of software for fabrics"

OFA Biz
Collaborative Activities
Libfabric Design and Implementation
Fabrics and Technology
Network Consumers and Runtimes
Admin, Mgmt & Deployment
Interop
RPM

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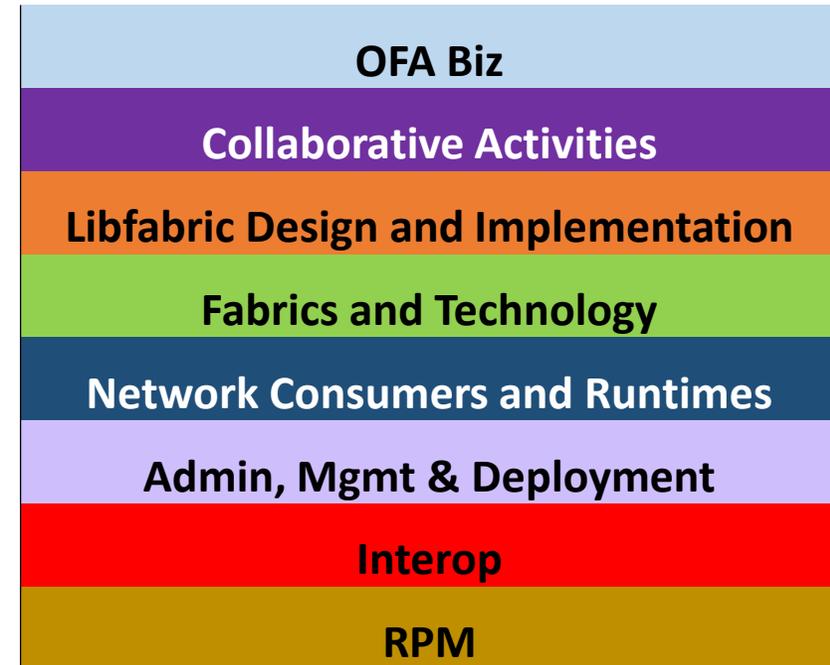
COLLABORATION – IT'S OUR MISSION

- **Interactive sessions**
- **Lightning talks**
- **Meet the Experts**
- **Networking Reception**
- **BoFs**
- **Plenty of opportunities for informal discussion**
- **Annual General Meeting**
- **Town Hall**

Provides a forum for collaboration, communication and education to support fabric technologies

You want to explore the world of RDMA.

But that often requires a bunch of expensive hardware, and complex software.

Where do you start?

Doug Ledford (OFA Vice Chair, Redhat) has you covered!

> Tutorial Objective: By the end of the Workshop, go home with a working RDMA-based cluster running on virtual machines on your laptop

Tutorial consists of two, one hour sessions, a Meet the Experts table, and an 'office hours' session on Thursday

Doug has graciously agreed to run the tutorial twice so you won't miss your favorite general workshop sessions

KEY OFA THEMES FOR 2019

- Interoperability
- Remote Persistent Memory
- System Administration
- The Open Community

We can't do everything at once, so we've chosen to prioritize these in the OFA for this year

OpenFabrics Alliance Workshop 2019

HERE IT IS – THE AGENDA

OFA Workshop 2019 Agenda

	Tuesday, March 19		Wednesday, March 20		Thursday, March 21	
	Room 102	Room 110	Room 102	Room 110	Room 110	Room 108
7:30 AM	BREAKFAST AND REGISTRATION		BREAKFAST AND REGISTRATION			
8:00 AM					OFIWG F2F	MWG F2F
8:30 AM	Opening Remarks		Annual General Meeting			
9:00 AM	Network Consumers and Runtimes		Fabrics and Technology		Interoperability	Tutorial Office Hours
9:30 AM					Fabrics and Tech	
10:00 AM				Break - 2.120		Break
10:30 AM		Break - 2.120				
11:00 AM		Tutorial 1A		Tutorial 1B	libfabric & HPC runtime systems	Driving the Interop Program into the Future
11:30 AM			libfabric Design and Implementation			
12:00 PM	LUNCH Served in 2.120			LUNCH Served in 2.120		
12:30 PM					Lunch Voucher Distribution	
1:00 PM		Tutorial 2A		Tutorial 2B		
1:30 PM	Administration, Management, Deployment					
2:00 PM						
2:30 PM			g Talk			
3:00 PM		Break	Remote Persistent Memory	Break		
3:30 PM						
4:00 PM	Town Hall					
4:30 PM						
5:00 PM			Meet the Experts/ Networking Event Under the Oaks			
5:30 PM						
6:00 PM						
6:30 PM						

Nominations for At Large Directors

What's on your mind?

OFA Direction ?

At-Large Directors (2)
- Selected by the community
- Serve on the OFA Board for one year
- Provide the community voice to the Board
- Non-voting, but crucial input
- May not represent a current Promoter
- Need not be present to be nominated,
  - But the nomination must be accepted by the Annual Members Meeting
- Everybody here gets two votes

WEDNESDAY

Annual Members MEETING

8:00 – 9:00AM

Bylaws Update

2018 Year in Review

2019 Objectives

At Large Directors

meet the experts

5:00-7:00PM

➢ RDMA Programming
➢ System Administration
➢ Linux RDMA Subsystem
➢ Kernel RDMA Support
➢ Remote Persistent Memory
➢ Interop/Logo Program
➢ Tutorial Table
➢ OpenFabrics Interfaces, libfabric

→Networking Reception←

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THE HERO SQUAD - THANK YOU

Technical Program Committee
Jim Ryan – TPC Chair

Michael Aguilar	Divya Kolar
Ariel Almog	Christoph Lameter
Harold Cook	Doug Ledford
Dennis Dalessandro	Jesse Martinez
Arlin Davis	Edward Mascarenhas
Jens Domke	Howard Pritchard
Paul Grun	Tom Talpey

THE HERO SQUAD - THANK YOU

Marketing Working Group & Logistics Team
Divya Kolar - Chair

Joe Balich

Allison Barry

Paul Grun

Karli McCann

Jim Ryan

Ken Strandberg

Surveys!
(please)

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ENJOY THE WORKSHOP!