15th ANNUAL WORKSHOP 2019

WELCOME

March 19, 2019
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!
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.”
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
“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”
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
We can’t do everything at once, so we’ve chosen to prioritize these in the OFA for this year.
## OFA Workshop 2019 Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Tuesday, March 19</th>
<th>Wednesday, March 20</th>
<th>Thursday, March 21</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 AM</td>
<td>Room 102</td>
<td>Room 102</td>
<td>Room 110</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Breakfast and Registration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:30 AM</td>
<td>Opening Remarks</td>
<td>Annual General Meeting</td>
<td></td>
</tr>
<tr>
<td>9:00 AM</td>
<td>Interoperability</td>
<td>Fabric and Technology</td>
<td></td>
</tr>
<tr>
<td>9:30 AM</td>
<td>10:00 AM</td>
<td>10:30 AM</td>
<td></td>
</tr>
<tr>
<td>10:30 AM</td>
<td>11:00 AM</td>
<td>11:30 AM</td>
<td></td>
</tr>
<tr>
<td>11:00 AM</td>
<td>12:00 PM</td>
<td>12:30 PM</td>
<td></td>
</tr>
<tr>
<td>12:30 PM</td>
<td>Lunch Served in 2.120</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00 PM</td>
<td>Tutorial 1A</td>
<td>Tutorial 1B</td>
<td></td>
</tr>
<tr>
<td>1:30 PM</td>
<td>Tutorial 2A</td>
<td>Tutorial 2B</td>
<td></td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Break</td>
<td>OFIWG F2F</td>
<td></td>
</tr>
<tr>
<td>2:30 PM</td>
<td></td>
<td>MWG F2F</td>
<td></td>
</tr>
<tr>
<td>3:00 PM</td>
<td></td>
<td></td>
<td>Interoperability</td>
</tr>
<tr>
<td>3:30 PM</td>
<td></td>
<td></td>
<td>Tutorial Office Hours</td>
</tr>
<tr>
<td>4:00 PM</td>
<td>Lunch served in 2.120</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:30 PM</td>
<td>Meet the Experts/ Networking Event Under the Oaks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:00 PM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:30 PM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:00 PM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:30 PM</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Breakout Rooms:** Room 102, Room 110

**Locations:**
- **Room 102**
- **Room 110**

**Breakout Sessions:**
- **Interoperability**
- **Fabric and Technology**
- **Driving the Interop Program into the Future**

**Lunch:**
- Served in 2.120

**Meet the Experts/Networking Event:** Under the Oaks
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

8:00 – 9:00AM

Bylaws Update
2018 Year in Review
2019 Objectives
At Large Directors

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
Technical Program Committee
Jim Ryan – TPC Chair

Michael Aguilar
Ariel Almog
Harold Cook
Dennis Dalessandro
Arlin Davis
Jens Domke
Paul Grun

Divya Kolar
Christoph Lameter
Doug Ledford
Jesse Martinez
Edward Mascarenhas
Howard Pritchard
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)
ENJOY THE WORKSHOP!