

# Open-Source, Transport-Independent Fabric Software



OPENFABRICS  
ALLIANCE

Jim Ryan, Chair, OpenFabrics Alliance  
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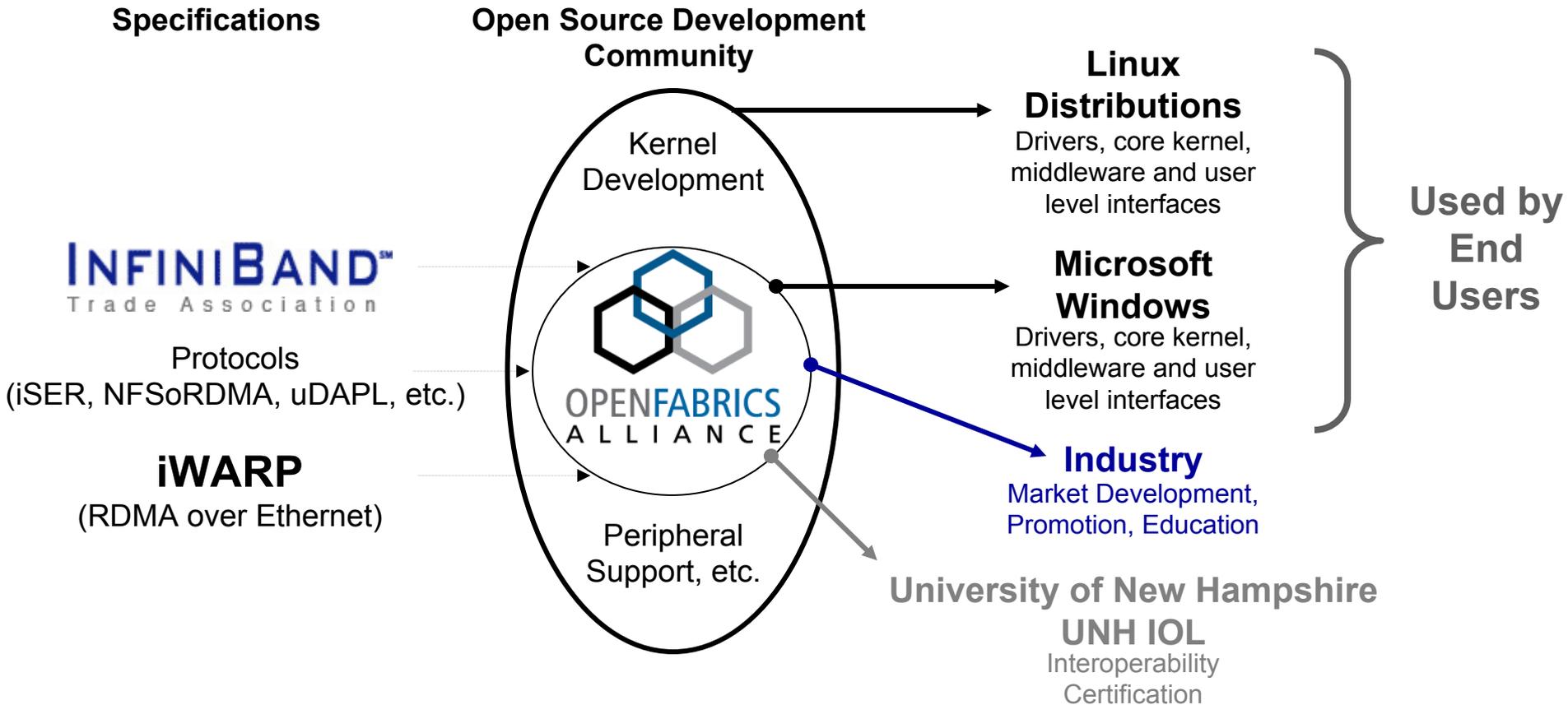
[www.openfabrics.org](http://www.openfabrics.org)

# Who We Are

- A not-for-profit alliance committed to the development and proliferation of open-source, transport-independent software for high-performance server and storage connectivity
- Our members include corporate end users, network equipment providers, server and storage manufacturers, software developers, research labs, and government organizations
- We have developed unified software stacks separately for Linux and Windows environments that will support InfiniBand and low-latency Ethernet



# OpenFabrics Alliance's Role



# Interoperability

- One of our most important roles is defining and developing a comprehensive suite of tests for evaluating product interoperability within the OpenFabrics environment
- In conjunction with the University of New Hampshire Interoperability Lab, we manage the OFA-UNH-IOL Logo program
  - We host test events that allow Alliance members to validate the interoperability of specific products using specific releases of OFED
  - Products that complete the tests successfully earn the OFA-UNH-IOL logo
- At the first test event following the introduction of the logo program, seven vendors certified 20 products
  - The next test event will be Oct. 8-12 at the University of New Hampshire



# OpenFabrics Enterprise Distribution



- OFED is a validated version of the open-source OpenFabrics software stack (current version is 1.2.5)
- Supports server and storage clustering and grid connectivity using RDMA-based InfiniBand and iWARP (i.e., low-latency Ethernet) fabrics
- OFED is tested for data center readiness and optimized for performance (high throughput, low latency) using RDMA and transport-offload technologies available in adapter hardware
- OFED is integrated into major versions of Linux distributions from Novell and Red Hat
- OpenFabrics development utilizes a typical open-source process similar to that used by kernel.org

# End Users are Critical

- Ultimately, the success of the OFED software stack will be judged by its continuously expanding adoption in the real world
- We are excited to have the three largest U.S. nat'l labs as founding members and we recently welcomed Credit Suisse as a founding member of our financial services end-user community
- Membership enables end users to influence the development of capabilities and features they need, and it helps organizations understand and plan for future OFED releases
- End users are looking at OFED for a number of enterprise applications, including clustered databases, grids, e-commerce, utility computing, virtualization, bioinformatics, electronic design, and entertainment and media production

Thank You



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