



Open Source Enablement for FCoE

FCIA FCoE Presentation

Oct 9th, 2007

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FCoE Solutions

More choice: Performance and Connectivity

- Performance solutions: Reduces TCO due to consolidation onto Ethernet without compromising performance
 - Best performance provided by accelerated HW solutions
 - Continues current FC HBA model into existing FC infrastructure
 - Expands server connectivity with FCoE over Consolidated host IO Fabrics
 - Use case: lower cost FC connectivity
- Connectivity Solutions: Increases FC SAN attach rate to servers dramatically
 - Provides FC connectivity to servers, but performance remains important
 - Native OS software-based initiator can provide the best connectivity
 - Allows end customer cost-performance tradeoff
 - Use case: lowest cost converged 10GbE SAN/LAN connectivity

FCoE expands the FC market and provides greater choice

Open Source

Kick-start adoption

- The broadest and quickest adoption of FCoE technology requires;
 - Industry ratified FCoE specification
 - Source Code available via Open Source
 - Enable product development and OS support to be ready when the standard is ratified
 - Encourages innovation
 - Creates incentive for support from non-open sourced OS'es
- Intel's Ethernet enhancement open sourcing effort already achieving Linux kernel integration

Open sourcing critical for new technology development

Open Source

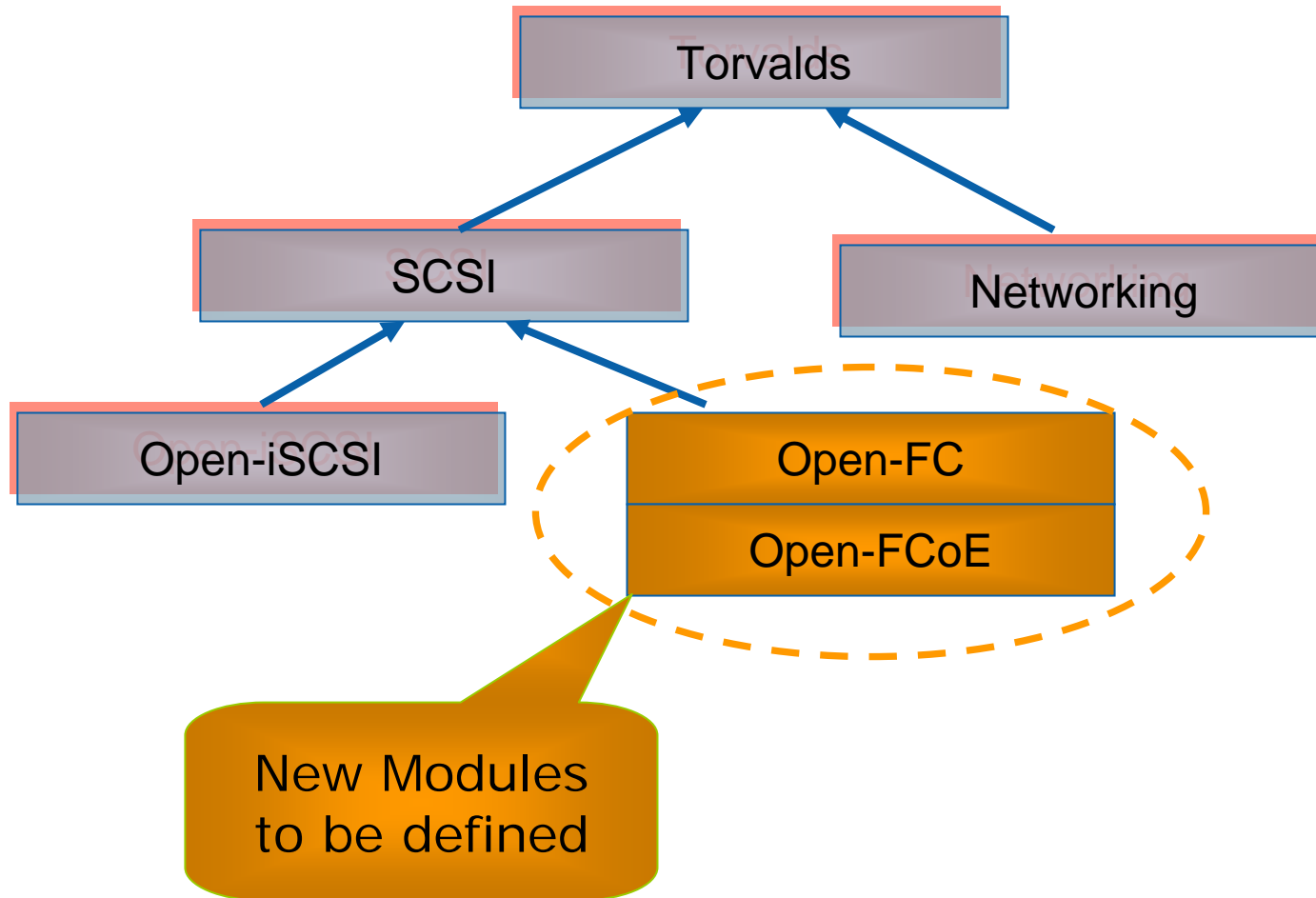
Kick-start adoption

- Intel's Open Source Plans:
 - Setting-up open-FC.org website to engage with Linux community
 - Goes live Dec'07
 - Dual licensing to allow product development for other OS'es:
 - E.g.: Solaris, AIX
 - Open sourcing will enable the development community
 - Community will enhance stack development by providing feedback, bugs, and code-patches
 - Work with community and distributors to achieve FCoE Linux Kernel inclusion → FCoE stack is **I/O vendor agnostic**

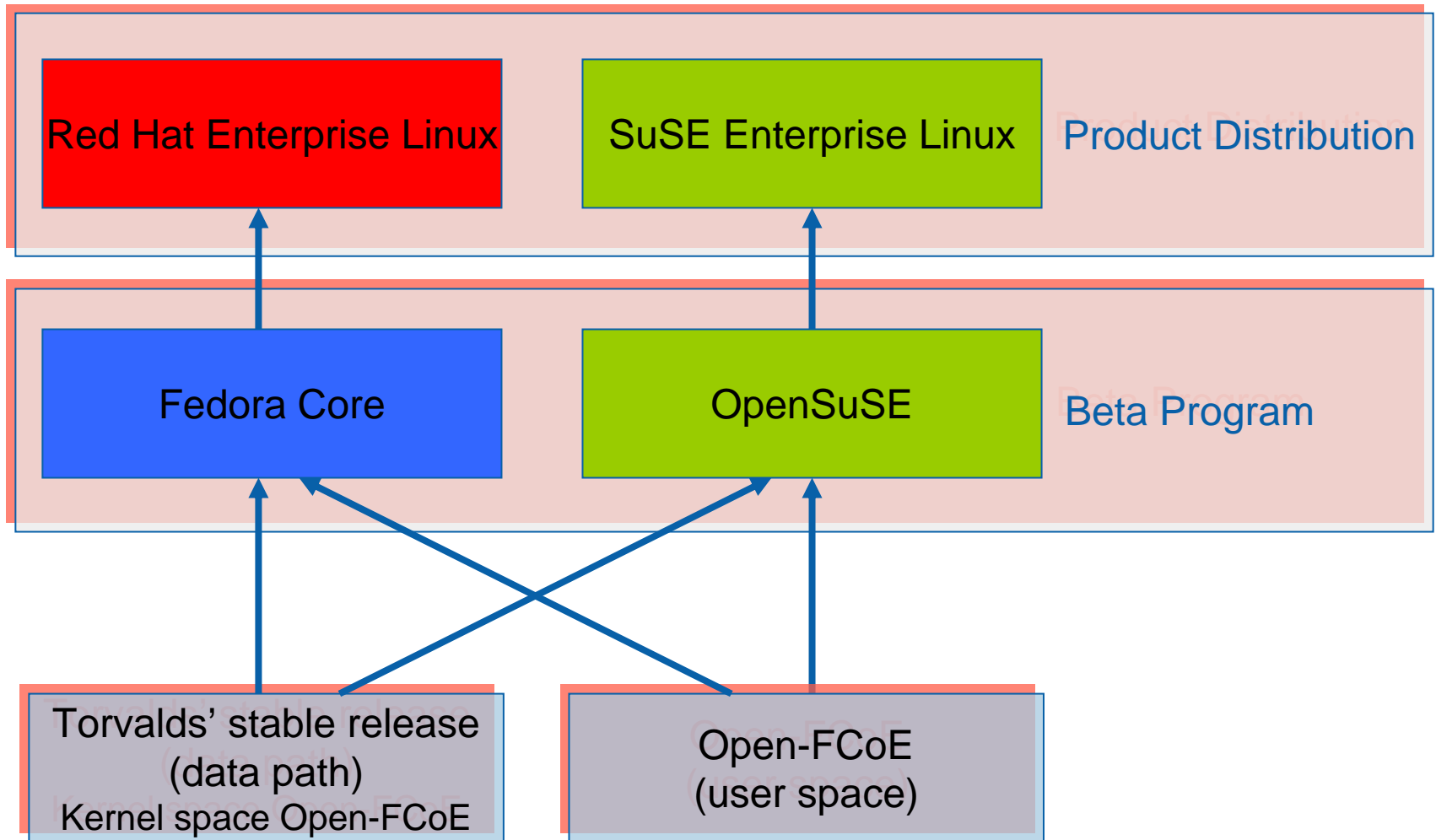
Intel driving Open Source enablement for FCoE

Kernel Hierarchy

Open FC/FCoE requires Linux community ratification



Distribution Integration



Call to action

Request that interested parties support open source effort

- Show support to the Linux community for FCoE (and Ethernet enhancements) kernel support