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Lustre Strategy Update – April 14, 2010

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April Public Statement

- Answer important questions about Oracle's support for Lustre
 - What is Oracle's open source strategy for Lustre?
 - Where can I get Lustre today?
 - Is Oracle going to support a Lustre community?
 - Will Oracle continue to work with resellers?
 - Will Oracle continue to release a software-only Linux version of Lustre?
 - Will kDMU be made available for Linux?
 - Will Oracle continue to invest in Idiskfs?
 - What's the Lustre roadmap beyond Lustre 2.0?
 - How can Lustre 1.8 customers upgrade to Lustre 2?
- Lustre 2 Qualification Program



What is Oracle's Open Source Strategy for Lustre?

- The Core Lustre file system technology, including both Lustre 1.8 and Lustre 2, will remain open source, licensed under GPL 2.0
- Oracle intends for Sun Lustre Storage Systems built with Lustre 2 to include both the core file system and other components that may or may not be open source



Where can I get Lustre today?

- Oracle intends to deliver Lustre storage according to its vision of integrated hardware and software solutions
- These systems will leverage Oracle's comprehensive investments in storage, compute, and networking hardware, Oracle Solaris, Oracle Enterprise Linux, and Lustre 2
- Product details, including pricing, will be published when products are available
- We encourage customers to consider the Sun Storage Server 7000 for many types of HPC-related workloads because it's fast, offers flexible storage options, and is competitively priced




Is Oracle going to support a Lustre community?

- Yes, Oracle intends to continue hosting the Lustre community
- Oracle is hosting the annual Lustre User Group meeting, scheduled for April 14-16 2010; see <http://lug2010.org/> for more information
- Oracle intends to continue hosting and improving the community web site, public git source code repository with canonical Lustre releases, mailing lists, and Bugzilla issue tracking system
- The Lustre Group will continue to accept software defect reports from the community and address them to improve the quality of Lustre for all
- The Lustre Group intends to accept community patches that are submitted based on established contributions guidelines for inclusion in the canonical release branches



Will Oracle continue to work with resellers?

- There are no changes to our current reseller relationships for Lustre 1.8
- Oracle intends to continue to fix bugs for this release but will not add any new features or performance optimizations for new hardware
- To maintain the highest levels of quality, reliability, and interoperability, Oracle intends to introduce a Lustre 2 qualification program for support of custom configurations, accompanied by an updated reseller program



Will Oracle continue to release a software-only Linux version of Lustre?

- Oracle intends to continue to release Lustre 1.8 as a software package as it is today, tested, qualified, and packaged for all the currently qualified client and server platforms
- Oracle intends to support Lustre 2 on its future integrated storage products, distinguished as the only storage vendor to offer comprehensive support for hardware, operating system, and the Lustre file system
- Oracle intends to build and test a software-only release of Lustre 2 but there is no plan to support this open source version



Will kDMU be made available for Linux?

- The kDMU module works with ZFS on Solaris but it can't be used with Lustre on Linux since ZFS isn't available on that operating system
- Oracle continues to advance this integration between Lustre and ZFS on Solaris



Will Oracle continue to invest in Idiskfs?

- Yes, Oracle intends to continue maintaining Idiskfs, which is the backing store for Linux Lustre and an integral part of our integrated storage solutions



What's the Lustre roadmap beyond Lustre 2.0?

- Oracle intends to complete the beta program and deliver a final release candidate of Lustre 2.0 within the next six months
- Updated roadmaps will be provided at future LUG events and accompanying Lustre releases
- Oracle intends to continue investing in Lustre 2, improving metadata and IO performance and delivering features for more effective integration and management in HPC computing environments



How can Lustre 1.8 customers upgrade to Lustre 2?

- Lustre 1.8 clients will interoperate with Lustre 2 servers so you can mount both Lustre 1.8 and 2.x storage clusters from the same client
- Since Lustre 2 is only qualified and supported on Oracle's integrated storage systems, a supported migration path does not exist from Lustre 1.8 to Lustre 2
- Oracle will continue to support customers with Lustre 1.8 support contracts and allow them to renew when the time comes
- Customers who want the advanced features of Lustre 2 can purchase Oracle's integrated storage configurations to get the highest levels of reliability, performance, and support



Lustre 2 Qualification Program

- Oracle is developing a program to allow resellers to qualify their own reference configurations to run Oracle's Oracle Enterprise Linux software stack featuring Lustre 2
- This enables Oracle to maintain good quality and a positive reputation for Lustre 2 and assures customers that the one canonical version meets the highest standards in the industry
- Under the program, resellers can qualify systems with a verification test plan, working closely with Lustre Engineering to configure, test, and tune the configuration
- Lustre 2 partners qualified under the program are entitled to use Oracle's officially supported Oracle Enterprise Linux software stack and to purchase an Oracle Premiere Support contract for each Lustre server (OSS and MDS), based on the qualified reference configuration
- The reseller remains responsible for the hardware and servers, including servicing and diagnostics

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