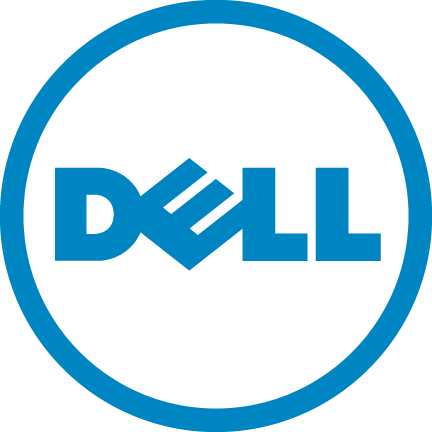
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| |  | | --- | | **DIRECT FROM DELLTM**  **911 – Q3-FY12 Linux HPC Solution Update (new RHEL6 HPC SKU release)**  **10.13.2011** | |

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| --- | --- |
| **Target Market**   * + - Traditional HPC customers such as Academic, Government, National Labs and Research Centers.     - Emerging markets such as Oil & Gas, Manufacturing, Life and BioSciences.     - Medium to Large Enterprises that require more computing power than is currently available in standalone systems.   **Key Talking Points With Customers**   * Dell HPC Solutions are fully tested, validated and optimized on Dell cluster hardware building blocks to deliver “best of breed” solutions. * Simplified Management and Reduced TCO – Options for supporting HPC clusters with Red Hat Enterprise Linux and Platform Cluster Manager   **Note**   * Use the **HPC Tracking** **SKU 463-7922** in order to help track orders, plus:   + Sets appropriate BIOS options to enable console redirection (via BMC)   + Changes factory default boot order to place PXE boot before HDD boot   + Please refer HERE for new RHEL6 HPC SKUs   + The current RHEL5 HPC SKUs will be EOL’d accordingly:   -I-code by 1st Nov 2011  -D-code by 1st Dec 2011 | **Solution Features**  In addition to the [existing](http://salesedge.dell.com/cmsdoc?id=0901bc82801a8029&ll=md) supported HPC Solution Stack for Linux, the Q3 update [adds](http://salesedge.dell.com/cmsdoc?id=0901bc82801a8029&ll=md) support for:   * Red Hat Enterprise Linux **6.1** (2 and 4 socket versions)   + Update Kernel (2.6.32 branch)   + Note: No “Factory Install“ option is available for RHEL 6.1 at this time   + Media for 6.1 will need to be **downloaded** directly from the customer Red Hat Network (RHN) account * NVIDIA **CUDA 4.0**   + Support for CPU Direct 2.0 * Head Node: **PowerEdge R715** server * Compute Node: **PowerEdge M915** server * Platform Cluster Manager **3.0.1 – Dell Edition**   + Dell OpenManage integration\* to expose:     - Enhanced monitoring of Dell servers via the bundled Nagios OpenManage plug-in     - One-to-many BIOS setting on compute hosts   + Integration with Dell remote access controllers (DRAC/BMC) to:     - Automatically provision the out-of-band interface     - Expose BMC/DRAC console via the Platform HPC Dell Edition Web Portal     - dell_blue_rgbControl host power state outside of the control of the operating system (ex. Mechanical power on and off) |
| **HPC Order Process High Level Steps**   * Engage Pre-Sales Design Consulting Center for HPC Design Assistance – [CLICK HERE](http://aussec01/WASECPublicASG/WFDesignReview.aspx) * Consult with Design Consultant and Deployment Planning Consultant on appropriate design and services needed * Complete HCRF   + Open [SalesEdge](http://salesedge.dell.com/)   + Search on “[HCRF](http://salesedge.dell.com/search/?term=HCRF)”   Submit HCRF to SEC for Validation – [CLICK HERE](http://aussec01/WASECPublicASG/SECToolsHome.aspx)  **HPC Services**   * Full Rack and Stack services ([Linux](http://www.dell.com/downloads/global/services/sd/sdedt0047.pdf) , [Windows](http://www.dell.com/downloads/global/services/sd/sdedt0046.pdf)) * Enterprise Factory Integration (includes software and hardware install – [CLICK HERE](http://www.dell.com/downloads/global/services/sd/7_27_2009_SDEDT0074.pdf)) * Onsite Linux deployment (No rack and stack - [CLICK HERE](http://www.dell.com/downloads/global/services/sd/sdedt0031.pdf))   For other services offered, [CLICK HERE](http://www.dell.com/content/topics/global.aspx/services/main/service_desc?c=us&cs=555&l=en&s=biz) | * + New, intuitive web-based interface     - Includes a new GUI for provisioning with a provisioning wizard and an enhanced view across of the HPC environment   + Enhanced monitoring     - Monitors GPUs, including number, temperature and ECC errors     - Provides enhanced alerts and provisioning status updates     - Integrates with third party management software to monitor and alert abnormal status for non-server devices   + Improved cluster management     - Incorporates enhanced kit building tools, NIC bonding, status provisioning, two-step node installation, support for a various networks (custom, private, public/corporate), and license installation for arbitrary license servers   Please refer [HERE](http://salesedge.dell.com/doc?id=0901bc82804b0f30&ll=md) for a list of the new RHEL6 HPC SKUS/SALESGUIDE |
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**Information Sources:**

**www.dell.com/HPC** (product information, Solution Advisor)

**www.DellHPCSolutions.com**

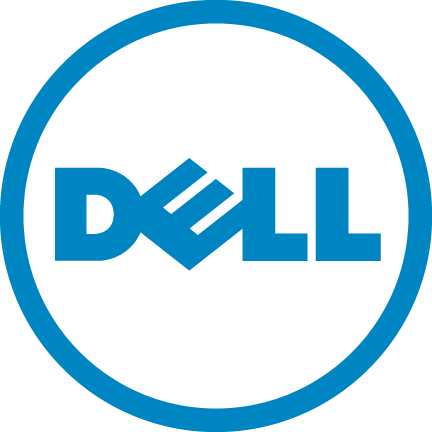
**www.HPCatDell.com** (expand Dell’s involvement in HPC Community)

**www.dell.com/LHC** (Cern/LHC program pages)

**www.HPCAdvisoryCouncil.com** (HPC Advisory Council)

**www.QLogic.com/NETtrack** (NETtrack Development Center)





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