



## HP Insight Control 6.2 Enhancements

### HP Insight Control builds on a foundation of HP System Insight Manager 6.2

In this release, HP Systems Insight Manager 6.2 has added support for the following features and enhancements, with support for new hardware and software, as a common foundation for HP Insight Control 6.2 components:

- **Support for new hardware:**
  - ProLiant BL2x220c G7 server, ProLiant ML/DL 370 G6 servers, and SL390s G7 server
  - Support for KVM virtualization host/guest discovery and association
  - Support for new Integrity SuperDome 2 servers
- **Support for software:**
  - HPSUM 4.1 integration with the ability to upgrade Virtual Connect 3.x firmware
  - Support for Data Migrations:
    - HP SIM 6.0 to HP SIM 6.2 migration
    - HP SIM 6.1 to HP SIM 6.2 migration
    - HP SIM 6.2 to HP SIM 6.2 migration
  - Support for Integrity VM 4.2

### HP Insight Control common enhancements for new hardware, operating systems, and hypervisors

In this release, HP Insight Control has added support for the following features and enhancements, with support for new hardware, software, and hypervisors – which are common to all parts of the solution (with differences noted under specific components):

- **Support for new ProLiant BL2x220c G7 server**
- **Support for HP ProLiant ML/DL 370 G6 server updates**
- **Hypervisor support for VMware ESX 4.1 /ESXi 4.1**

### HP Insight Control server deployment

In this release, HP Insight Control server deployment has added the following features and enhancements, and support for new hardware and software:

- **Additional support for SL390 G7 servers**
- **Support for deployment of new Integrity servers**



## HP Insight Control power management

In this release, HP Insight Control power management has added the following features and enhancements, and support for new hardware and software:

- **Intelligent Power Discovery**  
'Outlet control' is now supported on the new HP Intelligent Power Distribution Units with monitoring and control from Insight Control.
- **Facilities Integration**  
Integration with facility management software: Eaton Forseeer Data Center Management software
- **Support for HP Integrity Superdome 2 Servers** (HP-UX operating system support only).
- **Support for HP Integrity Servers for Nonstop:**  
Integrity NonStop NB5000c, Integrity NonStop NB5000c-CG
- **Support for new operating systems:** NonStop J-Series and NonStop H-Series

## HP Insight Control virtual machine management

In this release, HP Insight Control virtual machine management has added:

- **Support for new Xen hypervisor versions: RHEL 5.5, and SLES 11 SP1.**

## HP Insight Control performance management

In this release, HP Insight Control performance management has added support for new hardware and software.

## HP Insight Control server migration

In this release, HP Insight Control server migration has added the following features and enhancements, and support for new hardware and software:

- **Support for 32-bit and 64-bit migrations on SLES 11 SP1 Linux Operating systems**
- **Migrations no longer requires a separate Boot-CD to perform P2P and V2P migrations**

## Open source code (GPL and LGPL licenses)

Open source code (GPL and LGPL licenses) used by the HP Insight Control software is included in zipped format on the Insight Software DVD, in the following directories:

- HP Insight Control performance management\  
pmp\open source
- HP Insight Control power management\  
hpiipm\open source
- HP Insight Control server deployment\  
rdp\open source



- HP Insight Control server migration\hpsmp\open source
- HP Insight Control virtual machine management\vs\open source
- HP Insight Software integrated installer\hpic\open source
- HP Systems Insight Manager\hpsim\open source
- HP System Management Homepage \sysmgmt\open source • HP Version Control Repository Manager\crep\open source

## HP Insight Dynamics 6.1 Enhancements

### New capabilities in HP Insight Dynamics 6.2 software

HP Insight Dynamics 6.2 software provides new capabilities and expanded platform support.

- New hardware support
  - Integrity BL8x0c i2 server blades and Superdome 2 server support Systems Insight Manager discovery, power management, visualization, capacity planning and workload management for BL860/70/90c i2 Integrity server blades
  - Fibre Channel over Ethernet (FCoE) via Virtual Connect FlexFabric (for ProLiant)
- New hypervisor support
  - VMware ESX 4.1 managed nodes
  - VMware ESXi 4.1 managed nodes
- HP Insight Orchestration (infrastructure orchestration) (Windows CMS only)
  - VMware vNetwork Distributed Switch (vDS)
  - SAN Virtualization Services Platform (SVSP) support for VMware and Hyper-V data stores
  - Support for HP Integrity VM logical server operations
  - VLAN tagging for Hyper-V
  - Server Automation satellite support
    - Single core server
    - Multiple boot networks (up to 255 IPs) may connect to a single core server
  - Service "host name customization"
    - Suffix pattern specification (printf)
    - No-suffix option for single-use templates
  - API/CLI enhancements



- HP Insight Recovery (recovery management) (Windows CMS only)
    - Microsoft Hyper-V virtual machines can be protected against disasters
      - Support for Microsoft Windows Server 2008 with Hyper-V R2 in a standalone (non-clustered) configuration
      - Technology preview: Microsoft Windows Server 2008 with Hyper-V R2 in a clustered configuration with cluster shared volumes (CSV)
    - Support for asynchronous mode in Continuous Access replication of EVA storage arrays
  
  - Capacity Advisor
    - Models the memory for VMware ESX servers including only memory used by each VM, as if the VM has no reserved memory (the current default setting for ESX). For HP Integrity VM and Hyper-V, memory for VMs is still modeled as if all memory is reserved (an earlier default setting for ESX)
  
    - Peak Summary Reports are improved with new graphs
  
  - Logical server management (Windows CMS only)
    - Cross-technology logical servers
      - Cross-technology logical servers, which can be moved between servers with Virtual Connect and ESX virtual machines and between servers with Virtual Connect with unlike configurations. Using Insight Recovery, the same type of movement can be accomplished across sites and used for disaster recovery
      - Raw Device Mapping (RDM) for ESX virtual machine logical servers, which allows moves between physical and virtual environments while still accessing the same boot and data volumes
  
    - HP Integrity VM logical servers
- Logical server operations performed on HP Integrity VM guests on an HP-UX VM host, using Shared Logical Volume Manager (SLVM) storage volumes or physical Fibre Channel disks
- New storage pool entry types for integration with Storage Provisioning Manager catalog entries, which support secure access to automated hostmode setting and masking operations



- Virtual Local Area Network (VLAN)
- VMware vNetwork Distributed Switch (vDS)
- SAN Virtualization Services Platform (SVSP) support for VMware and Hyper-V data stores
- Integration with the mxsync backup and restore utility for automated and manual post-restore recovery actions

- Storage Provisioning Manager (SPM) (Windows CMS only)

HP Storage Provisioning Manager (SPM) is an optional tool for managing storage provisioning within the Insight Dynamics software environment. It provides a secure service-centric management interface to storage, allowing storage requests to be fulfilled with available storage services from a storage catalog, and securely automating storage management tasks by interfacing directly with storage arrays.

## HP Virtual Connect Enterprise Manager 6.2 Enhancements

### **VCEM 6.2 introduces support for the latest HP Virtual Connect hardware, firmware and HP BladeSystem server platforms:**

- HP Virtual Connect FlexFabric 10Gb / 24-port module for BladeSystem c-Class. Provides converged LAN and SAN access to ProLiant and Integrity server blades
- Includes support for the latest BladeSystem servers and network options:
  - HP ProLiant BL460c G7
  - HP ProLiant BL465c G7
  - HP ProLiant BL490c G7
  - HP ProLiant BL685c G7
  - HP ProLiant BL2x220c G7
  - HP NC551m Dual Port FlexFabric c 10Gb Converged Network Adaptor
  - Brocade 804 8Gb FC HBA for HP BladeSystem c-Class
- Incorporates new functionality delivered with Virtual Connect firmware v3.10
  - Profile configuration parameters for iSCSI and TCP offload
  - Removes primary bay restrictions for Virtual Connect modules



- Can be installed as a new console or used to update existing installations of VCEM v1.20 or higher
- Introduces the HP VCEM Software Developers Toolkit (SDK) for advanced platform integration with Virtual Connect

For more information go to [www.hp.com/go/vcem](http://www.hp.com/go/vcem)

## HP Insight Control for Linux 6.20

This release provides support for MS-Windows deployment on iLO based servers, power management enhancements, KVM virtualization support for host-guest discovery and association, support for newly-released HP ProLiant servers, updated support for new Linux OS and enhancements for CentOS enablement.

### Features and Benefits

HP Insight Control for Linux is essential server management for business-critical Linux environments. HP Insight Control for Linux features the best of open source and HP technologies. With Insight Control for Linux you can expect to realize the following management benefits:

- Deploy servers quickly - with firmware updates
- Proactively manage server health and performance
- Control your servers from anywhere
- Optimize power confidently
- Integrate & extend your environment

HP Insight Control for Linux release 6.20 provides these new capabilities:

- **MS-Windows® deployment** (interactive) and generic ISO mounting for iLO-based servers
- **Power management enhancements** for Facility Integration planning tools (e.g. Eaton Forseeer®, nlyte Software®), Intelligent Power Discovery, and monitoring of leading non-HP power distribution units (PDUs),
- **Firmware update capabilities for IPMI-based servers** (i.e. HP ProLiant DL160s, DL180s, SL-servers)



- **KVM (Kernel-based Virtual Machine) virtualization** support for host-guest discovery and association using the libvirt.cim provider from Red Hat and support for host-guest installation
- **CentOS enhancements** for more effective community-based Linux operating system implementations,
- Updated Linux operating system support (e.g. SLES 11 SP1, RHEL 5.5),
- HP-SIM enhancements for support contract reporting (using Crystal) and HPSUM firmware update integration, and
- Updated HP ProLiant support for blade-, rack-, tower-, and scalable- servers (i.e. HP ProLiant BL-, DL-, ML-, SL- series servers; including IPMI, iLO, iLO2, and iLO3 functionality). The WS460c blade workstation is also supported.