HP NonStop Software Essentials
Release 2 Product Announcement

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NonStop Software Essentials Release 2

Software management modernization

- A plug-in to HP SIM
- Integrated software management application to plan, configure, and install NonStop software packages
- Inventory and history of installed software
- Support of HP, third party and customer software
- Complete replacement of DSM/SCM Planner Interface with better and easier user interfaces
- Uses the same DSM/SCM server as used by the DSM/SCM Planner Interface, thus preserving all existing software packages
- Support of NonStop BladeSystems, NS-Series servers and S-Series servers
NonStop Software Essentials Release 2

Why did we create it?

- Continuous customer demand for better, more secure and easier to use NonStop software management application than DSM/SCM
- #1 Operations Management SIG issue for years: Better software auditing support
- DSM/SCM comprised of a set of diverse Windows-based and TACL-based tools, resulting in a non-integrated user experience with increased cost of training
- User has to connect to multiple user interfaces to install NonStop software
- User has to connect to multiple NonStop systems to look at status for any request spanning across them
- No data in motion encryption between DSM/SCM Planner Interface and DSM/SCM server
- DSM/SCM Planner Interface a “thick client”, which needs to be installed on any PC used by the system administrator to plan or install NonStop software
- DSM/SCM Planner Interface Windows 3.1 based and extremely difficult to enhance and impossible to be supported on 64-bit Windows
NonStop Software Essentials Release 2

Functionality

- Management of the archived software
- Ability to receive software packages into the archive
- Ability to receive snapshots into the host database
- Exporting of product and developer files
- Creation and management of software configuration revisions
- Interfaces for installing software onto multiple systems, and building and applying the revisions
- Creation and review of reports for multiple systems, including one-step software audit of the installed software on the system
- Management of planners and host administrators
- Management of physical and logical targets
- Ability to perform actions that previously required the use of block-mode Host and Target Interfaces
Benefits
NonStop Software Essentials Release 2 benefits

No product charge; included in base NonStop OS

Starting with NonStop OS RVU J06.13 and H06.24, NonStop Software Essentials will be part of base NonStop OS and does not need to be ordered separately.

NonStop Software Essentials server component will be included in NonStop OS RVU J06.13 and later as well as H06.24 and later, and can be downloaded from NonStop SPR Scout for customers running previous J-Series and H-Series RVUs. Customers running G-Series RVUs can order NSE01V2 to get the NonStop Software Essentials server component.

NonStop Software Essentials Windows and Linux client components will be included in the HP Insight Control for NonStop 6.3 (companion DVD to NonStop System Console Installer, Update 17) and later, and can be downloaded from NonStop SPR Scout for customers using previous NSC software.

HP SIM, HP Insight Control Power Management (ICpm) and NonStop Software Essentials client components will be preinstalled on all NSCs with Windows Server 2008.

All future plans are subject to change without notice.
NonStop Software Essentials Release 2 benefits

Easier to use; better user interface

- Ability to invoke from any workstation with a web browser, without installing a client application
  - Installed on NSC or an external CMS (Central Management Server) in the customer’s data center
  - Can be invoked from any PC which has access to the NSC or CMS using a web browser without installing the Planner Interface on individual PCs
- Modern look and feel
- Task-oriented user interface
- Intuitive terminology and interfaces
- Dynamic information update without requiring a manual refresh
- Tooltips to help describe icon behavior
NonStop Software Essentials Release 2 benefits

Enhanced security

All data in transit between the PC where NonStop Software Essentials is invoked and the CMS where it is installed is encrypted.

All data in transit between the CMS and NonStop systems is encrypted.

Access to all features are controlled using NonStop and DSM/SCM security.

Credentials entered by the user for the managed NonStop system are periodically re-authenticated. If the user authentication fails, an authentication error is displayed and user cannot continue until correct credentials are entered again.

Login timeout feature ensures that a logged in session cannot be misused by a malicious user.
NonStop Software Essentials Release 2 benefits

One-click audit report

- Enhanced software audit via a simple one-click audit report to see if there is any discrepancy between the software that was intended to be installed on a NonStop system versus the software that is actually installed.

- Can be shown to the auditors as proof that no unintended software installation has been performed on the system.
**NonStop Software Essentials Release 2 benefits**

Unified software management interface

- Concurrent connections to different systems possible via multiple NonStop Software Essentials sessions
- Provides some functionality that was previously only supported in the separate Host and Target Interfaces
- Single interface to show the complete status of requests that span multiple NonStop systems, with the capability to cancel and restart Host and target activities from a single interface
- Functionality beyond what DSM/SCM offers, such as the ability to compare new revisions with Site Update Tapes (SUTs) and other revisions

**Integrated manageability experience across NonStop and other HP systems, if used with**

- NonStop Cluster Essentials
- NonStop Performance Essentials
- NonStop I/O Essentials
- HP Insight Control Power Management
- HP Insight Remote Support Advanced
- Other HP SIM plug-ins
NonStop Software Essentials Release 2 benefits

Support of many types of CMSs

**Supported Windows CMS software**
- Windows Server 2003 R2 Standard or Enterprise (x86 or x64 version)
- Windows Server 2008 Standard or Enterprise (x86 or x64 version)
- Windows Server 2008 R2 Standard or Enterprise (x86 or x64 version)
- VMWare ESX 3.5 or later
- VMWare ESXi 4.1 or later

**Supported Linux CMS software**
- Red Hat Enterprise Linux 4 or later (32 bit or 64 bit)
- VMWare ESX 3.5 or later
- VMWare ESXi 4.1 or later

DSM/SCM Planner Interface will NOT be supported on 64-bit Windows, including the new NSCs with Windows Server 2008.
Architecture
NonStop Software Essentials Release 2 architecture

Service Oriented Architecture
NonStop Software Essentials Release 2 architecture

Remote NonStop target connection

- HP SIM CMS
- NSE Plugin
- Get Req. Status
- Get EMS messages
- NSE SOAP Server
- If processing remote activity, fetch status from remote server
- Software Management Server
- Software Management EMS Log
- NonStop Server
- Expand Network
- Software Management Server
- Software Management EMS Log
User Interfaces
NonStop Software Essentials Release 2 user interface

Home page

Links and menus categorized for easy access

Tree in the navigation panel, for convenient viewing of all software packages and package groups in the archive, and configuration revisions and targets
NonStop Software Essentials Release 2 user interface

All software packages and drill-down on a software package

Ability to view all the software packages in the archive, only SUTs, Base SPRs or Update SPRs, only packages in a user-defined package group, and all user-defined package groups

Click on a software package to get more information
NonStop Software Essentials Release 2 user interface

Receive software into the archive

Input specification organized into separate tabs to provide easy access and management of the inputs

Better targeted subvolume search to find distributed subvolumes containing packaged software
NonStop Software Essentials Release 2 user interface

Configuration revisions and configuration revision history

Dynamically updated list of all logical targets for the systems managed by the host, along with their latest revisions

Ability to determine the latest software revisions, create and install a new revision for a target, and audit the software

Capability to see the details of any revision, edit a revision, and delete a revision
NonStop Software Essentials Release 2 user interface

Creating or editing a software revision

- Side-by-side display of all the sources of software to select from, and the new software configuration being created.
- User-friendly symbols to indicate the products only on one side or products on both sides but with different versions.
- Validation of correctness of the new software revision and display of inconsistencies.
NonStop Software Essentials Release 2 user interface
Building and applying a software revision

Seamless invocation of build and apply step after creation of a new revision

Build and apply options similar to DSM/SCM Planner Interface

User-friendly tab format

Validation of all inputs

Pre-set defaults
NonStop Software Essentials Release 2 user interface

Integrated request status monitoring

Consolidated display of real-time request status across host and target boundaries

Ability to cancel and restart target activities

Display of EMS events from host or target system related to an entire request

Dynamically updated list of all pending, executing, and completed requests from host and target, and their status

Ability to drill-down on an individual request
Introducing…

HP Insight Control for NonStop
HP Insight Control for NonStop

HP Insight Control for NonStop 6.3
HP Systems Insight Manager (SIM) 6.3
HP Insight Control Power Management (ICpm) 6.3
NonStop Software Essentials 2.0.0

Shipped free of charge as a companion DVD to NonStop System Console (NSC) Installer DVD, starting with NSC Installer, Update 17

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NonStop management in an Instant-On Enterprise

Insight Control for NonStop

- Insight Control Power Management
- NonStop Software Essentials
- NonStop Performance Essentials
- NonStop Cluster Essentials
- NonStop I/O Essentials

HP IT Performance Suite

IT Strategy, Planning, and Governance
- IT Asset Management
- IT Financial Management
- Project and Portfolio Management

Application Lifecycle Management
- Application Lifecycle Management
- Application Governance
- Application Security
- Cloud Application Delivery
- Performance Validation
- Testing Center of Excellence
- Test Execution
- Test Management
- Application Transformation Software Services

IT Operations
- Application Performance Management
- Business Service Management
- Client Automation
- Cloud Service Automation
- Configuration Management System
- Content and Collaboration
- Data Center Automation
- IT Service Management
- Network Management Center
- System Management
- Hybrid Delivery Services

Information Management
- Autonomy Information Management Solutions
- Archiving Solutions
- Data Protection Solutions
- Records Management Solutions

Security Intelligence
- ArcSight
- Fortify
- TippingPoint

Business Analytics
- Business Intelligence
- Customer Management
- Partners for Information Management and Business Intelligence
- Services for Information Management and Business Intelligence

HP Systems Insight Manager

Insight Remote Support Advanced

NonStop Cluster Essentials

NonStop Performance Essentials

NonStop I/O Essentials
THANK YOU