

NonStop Software Essentials Release 4.0



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NonStop Software Essentials

Plan, configure, install, and manage NonStop software

- Complete replacement of DSM/SCM Planner Interface with better and easier user interfaces
- Additional functionality beyond legacy Planner Interface
- Uses the same DSM/SCM server and database as used by the Planner Interface - preserving existing software configurations and installation history
- Support of HP, third party and customer software
- Supported on 32-bit and 64-bit Windows and Linux physical and virtual CMS
- Install on NSC or external CMS
- Server component included on the NonStop OS RVU, and can be downloaded from Scout for NonStop Servers
- Windows and Linux client components included in HP Insight Control for NonStop (companion DVD to NonStop System Console Installer), and can be downloaded from Scout

DSM/SCM Planner Interface is NOT supported on 64-bit Windows, including the NSCs with Windows Server 2008 so NonStop Software Essentials must be used on those consoles

NonStop Software Essentials – Product updates

Defect Fixes

T0894H02^AAE

- SOAPSRVR abends while returning the pre-populated list of discrepancies from the last discrepancy report generated for the specified target. This symptom is observed only if there are product versions that are found to have file differences with the files on the target system as compared to the revision specified in the last discrepancy report run for this target.
- NSE does not allow users to log on if the password contains special characters.
- Aliases which are more than 18 characters in length cannot be used for logging in through NSE Client.
- Kernel process not configured for new systems in Manufacturing. No entry in manual on how to configure kernel process. Change the ZNSEGP file to configure CPUs for the HTTP server generic processes to use any available CPUs.

T0894H02^AAG

- SOAPSRVR abends while fetching the tape drives' information during Receive Software operation if there are more than 20 tape drives on the host.
- Kernel process not configured for new systems in Manufacturing. No entry in manual on how to configure kernel process. Change the ZNSEGP file to configure CPUs for the HTTP server generic processes to use any available CPUs if the generic process already exists.

NonStop Software Essentials – Product updates

- TNS/X support
- Package software – CNFGINFO replacement
- Planner Interface feature replacement
 - Custom reports
 - All reports available
- Target Interface feature replacement
 - Backout revisions
 - Preview and Apply software
 - Verify database
- Common Maintenance Interface feature replacement
 - Delete requests from Request List



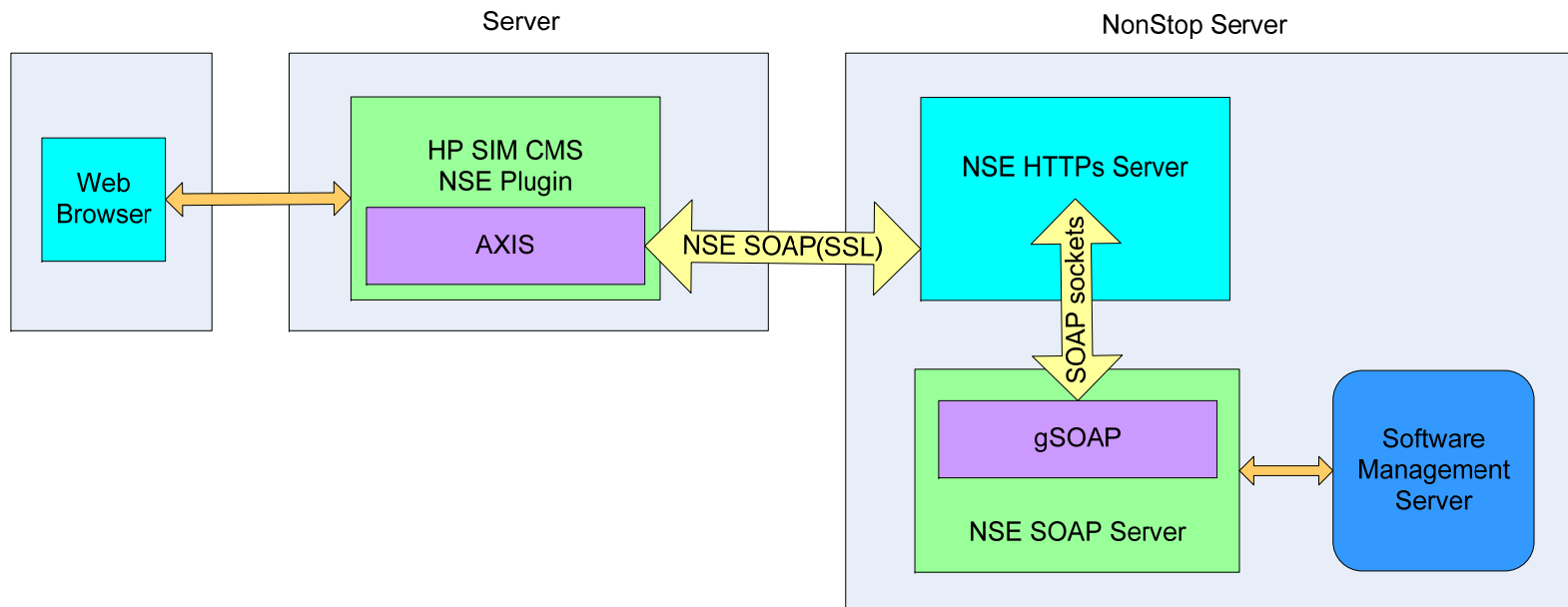
NonStop Software Essentials – Product updates

- UI and usability enhancements
 - Radio button / field state
 - Popup enhancements
 - Tab enhancements
 - Browser back behavior
- Add to group from all Archive pages
- Miscellaneous defect fixes

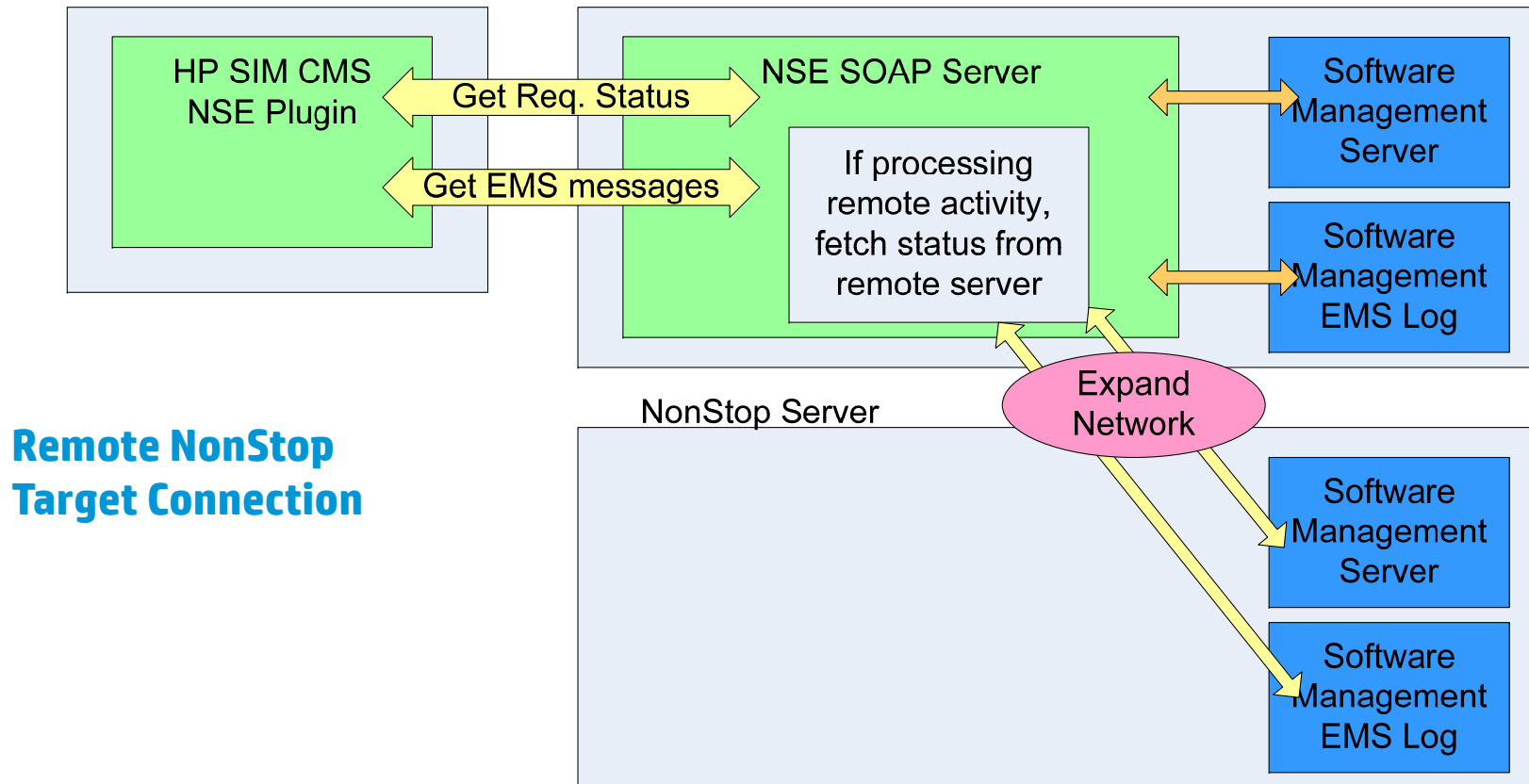


Architecture and Components

Architectural structure



Architecture and Components



**Remote NonStop
Target Connection**



Hardware and Software Requirements

Related products and product numbering

T0894 H02 AAF (Server)

- TNS/E and TNS/X. Not available for TNS/R
- On L15.02 and J06.19
- Base version available to download from Scout for use on older TNS/E SUTs

T0895 V02 AAF (Windows Client) and T0996 V02 AAF (Linux Client)

- On Console Companion DVD
- Not Installed on new NSCs

Overview of version changes

- 3.0 was an internal only release
- 4.0 Client will work with 2.x NSE servers with reduced functionality. Warning at logon lists unavailable functionality.
- 2.x Client will not work with 4.x Server. Must upgrade client.



Hardware and Software Requirements (Continued)

Required hardware

Host: Supported NonStop Systems

- Integrity NonStop X Systems
- Integrity NonStop BladeSystems
- Integrity NonStop NS-Series Systems

Client

- PC that meets the HP SIM minimum hardware requirements
- 2GB Memory

Note: 64 bit OS's may require more memory. See HP SIM documentation for information on this requirement.



Hardware and Software Requirements (Continued)

Required software

Host

- NonStop System Minimum RVU's
 - H06.09 NonStop NS-Series Systems
 - J06.03 NonStop BladeSystems
 - L15.02 NonStop X Systems
- Required SPR's NonStop X Systems, NonStop BladeSystems, NonStop NS-Series Systems
 - T0894H02 AAF – NSE Server
 - T6031ADG – DSM/SCM with improvements for NSE.
 - T0682ABI - Event Viewer with SSL support
- DSM/SCM T6031 H03 ADG requires SWID T9298 H03



Hardware and Software Requirements (Continued)

Required software (Continued)

Windows Client

- Windows OS that is supported for the version of HP SIM being used.
- HP SIM 7.1 or later with Hotfixes
 - We are currently shipping HP SIM 7.2 with the current hot fix kit on the NSC Installer DVD.
- T0895 AAF – NSE Installer - Windows
- IE Required. Verified on IE7, IE8 and IE9



Hardware and Software Requirements (Continued)

Required software (Continued)

Linux Client

- T0996V02 – NSE Installer - Linux
 - Note: NonStop Essentials products are only qualified for use on Red Hat Enterprise Linux. There are a myriad of versions for 32 & 64 bit. We have qualified on a subset of those.
- Red Hat Enterprise Linux qualified versions:
 - 6.0 – 6.3 32 bit
 - 6.3 64 bit
- Red Hat Enterprise Linux pending qualifications:
 - 6.4 32 bit
 - 6.4 64 bit



TNS/X Software Packages

Distributed SubVolumes (DSVs)

- New AOCINFO file version “04”
 - New TNS/X processor type value
 - New file functions
 - DSM/SCM H03 or later required to read.
- Receive Software was changed in T6031 ACV in H06.22 to display a new generic error indicating a newer version of DSM/SCM is needed whenever it encounters an AOCINFO file with a version higher than it understands.

The AOCINFO file in DSV <1> is version <2>, which <3> version of DSM/SCM cannot read. Processing of this DSV stopped. Upgrade to a newer DSM/SCM version and retry your request.



Processor Type TNS/X

```

System Name: \SUNBIRD
CPU Type: TNSX
Host System: \SUNBIRD Safegua
ck Connection: Y (Y/N)
    
```

Physical Target

Name: TNS
 Site ID: TNS/R
 TNS/E
 Processor Type: TNS/X

☒ Use Network Connection
☒ Tape Unload Flag

New \SUNBIRD DEFAULT 13

Software is for TNS/X. Release level is L15.02.

<input type="checkbox"/>	!	Product Name	↑	Number	Version
<input type="checkbox"/>		\$NULL		T6025	L01 ()
<input type="checkbox"/>		A035120		T6032	L15 ()
<input type="checkbox"/>		ACS Infrastructure		T0620	L01 ()

<input type="checkbox"/>	Product Name	↑	Product Number	Product Version	Processor Type
<input type="checkbox"/>	Product Name T0001		T0001	V01 ()	ALL
<input type="checkbox"/>	Product Name T0001		T0001	L01 AAB	TNS/X
<input type="checkbox"/>	Product Name T0001		T0001	D40 AAC	TNS
<input type="checkbox"/>	Product Name T0001		T0001	G01 AAC	TNS/R
<input type="checkbox"/>	Product Name T0001		T0001	G01 ()	TNS/R
<input type="checkbox"/>	Product Name T0001		T0001	H01 ()	TNS/E
<input type="checkbox"/>	Product Name T0001		T0001	H01 AAC	TNS/E

Guardian Files Settings | **Guardian Files Summary** | **OSS Files Summary**

Number: T0001 Version: H01

COMPUTERS, INC. ▼

Target Platform(s):

- TNS Only
- TNS/R Only
- TNS/E Only
- TNS/X Only**
- ALL

te SPR Version: ☐



Reports



Reports

Prepare, Add, Modify and Delete reports

View Prepared Reports

<input type="checkbox"/>	Name	SQLCI Command File
<input type="checkbox"/>	Configuration Differences	\SCUBA.\$DSMSCM.XPHIHDB.ZPHIR09
<input type="checkbox"/>	Configuration Product Files	\SCUBA.\$DSMSCM.XPHIHDB.ZPHIR05
<input type="checkbox"/>	Configuration Products	\SCUBA.\$DSMSCM.XPHIHDB.ZPHIR10
<input checked="" type="checkbox"/>	Configurations Using a Package	\SCUBA.\$DSMSCM.XPHIHDB.ZPHIR12
<input type="checkbox"/>	Configurations Using a Product	\SCUBA.\$DSMSCM.XPHIHDB.ZPHIR14
<input type="checkbox"/>	Contents of All Configurations	\SCUBA.\$DSMSCM.XPHIHDB.ZPHIR17
<input type="checkbox"/>	Discrepancy	\SCUBA.\$DSMSCM.XPHIHDB.ZPHIR07
<input type="checkbox"/>	Package and Config Differences	\SCUBA.\$DSMSCM.XPHIHDB.ZPHIR08
<input type="checkbox"/>	Replaced Update SPRs	\SCUBA.\$DSMSCM.XPHIHDB.ZPHIR16
<input type="checkbox"/>	Request EMS Log	\SCUBA.\$DSMSCM.XPHIHDB.ZPHIR02
<input type="checkbox"/>	Request Log	\SCUBA.\$DSMSCM.XPHIHDB.ZPHIR01
<input type="checkbox"/>	Required Update SPRs	\SCUBA.\$DSMSCM.XPHIHDB.ZPHIR06
<input type="checkbox"/>	Required Update SPRs for Group	\SCUBA.\$DSMSCM.XPHIHDB.ZPHIR19
<input type="checkbox"/>	Software Audit	\SCUBA.\$DSMSCM.XPHIHDB.ZPHIR07
<input type="checkbox"/>	Software Contents	\SCUBA.\$DSMSCM.XPHIHDB.ZPHIR03
<input type="checkbox"/>	Software Product Components	\SCUBA.\$DSMSCM.XPHIHDB.ZPHIR13
<input type="checkbox"/>	Software Product Files	\SCUBA.\$DSMSCM.XPHIHDB.ZPHIR04
<input type="checkbox"/>	Unused Software Packages	\SCUBA.\$DSMSCM.XPHIHDB.ZPHIR11

Prepare

Add Like

Modify

Delete



Reports

Add Report

Specify attributes and parameter information for the report.

Manage Reports

Attributes

Name	My Report
SQLCI Command File	\SCUBA.\$DSMSCM.XPHIHDB.MYREPORT
Description	This report shows differences in product versions between two configurations. Note that if the product does not exist on the second configuration, that is counted as a difference.

Modify...

Parameters

<input type="checkbox"/>	Name	Description	Type	Length
<input checked="" type="checkbox"/>	CONFIGURATION_REVISION1	The Configuration Revision of the first Configuration. The format of this parameter is freeform text, but an exact configuration revision should be entered, such as \OAK DEFAULT 3. Note that this parameter is case sensitive.	Character	32
<input type="checkbox"/>	CONFIGURATION_REVISION2	The Configuration Revision of the second Configuration. The format of this parameter is freeform text, but an exact configuration revision should be entered, such as \MAPLE DEFAULT 2. Note that this parameter is case sensitive.	Character	32

Add Like...

Modify...

Delete

Save

Cancel



Apply, Backout, Verify Database

Configuration Revisions

The current configuration revision for each target.

<input type="checkbox"/>	System	Target	Clone Group (Role)	Revision	Applied
<input type="checkbox"/>	\\SIM	DEFAULT			Uninitialized, No Revisions
<input checked="" type="checkbox"/>	\\SIM2	DEFAULT		2	2/1/14 8:40 AM
<input type="checkbox"/>	\\SIM3	DEFAULT			Uninitialized, No Revisions
<input type="checkbox"/>	\\SIM4	DEFAULT	1 (Master)		Uninitialized, No Revisions
<input type="checkbox"/>	\\SIM5	DEFAULT	1 (Clone)		

Software Revisions

Create

Delete

Apply

Backout

Audit

Target Maintenance

Add Like

Modify

Delete

Initialize

Verify Database



Delete Requests

<input type="checkbox"/>	Name	Submitted ↓	Status	Activity	Detail
<input checked="" type="checkbox"/>	\BLOSM4 DEFAULT 18	1/9/15 3:08 AM	Successful		Complete with warnings ** Error communicating with Software Management Server View Planner Instructions
<input type="checkbox"/>	Receive Software (SUT J06.19.17)	1/9/15 2:11 AM	Successful		
<input checked="" type="checkbox"/>	\SUNBIRD DEFAULT 12	1/8/15 3:27 AM	Successful		Complete with warnings View Planner Instructions
<input type="checkbox"/>	Receive Software (SUT L15.02.18)	1/8/15 2:22 AM	Successful		
<input checked="" type="checkbox"/>	Receive Software	1/7/15 2:22 PM	Action required	Receive Software	Stopped in a restartable state. Stage 60, Archive software
<input type="checkbox"/>	Receive Software				
<input type="checkbox"/>	TMP_1092				
<input type="checkbox"/>	SOFTWARE				
<input type="checkbox"/>	SOFTWARE (PRASHANT)				
<input type="checkbox"/>	SOFTWARE				
<input type="checkbox"/>	SOFTWARE				

Delete Requests

Name	Location (DB)	Submitted ↓	Pre-Check Errors & Warnings
\BLOSM4 DEFAULT 18	\SUNBIRD Host	1/9/15 3:08 AM	
\SUNBIRD DEFAULT 12	\SUNBIRD Host	1/8/15 3:27 AM	
\SUNBIRD DEFAULT 12	\SUNBIRD Target	1/8/15 3:27 AM	
Receive Software	\SUNBIRD Host	1/7/15 2:22 PM	⚠ Incomplete request
\BLOSM4 DEFAULT 18	\BLOSM4 Target		⚠ Unable to access

Select Continue to delete the requests shown without errors in the table above. Select Cancel to keep all the requests.

Continue Cancel



Add To Package Group from All Archive Pages

Update SPRs

All software packages in the archive where the first SPR received into the package is an Update SPR.

<input type="checkbox"/>	Name	Received ↓	Received By	Type	Vendor
<input type="checkbox"/>	IPM T0005 H01 AAA	1/8/15 1:57 PM	SIM.ULATION	Update SPR	Hewlett-Packard Company, L.P.
<input checked="" type="checkbox"/>	IPM T0004 H01 AAA	1/8/15 1:57 PM	SIM.ULATION	Update SPR	Hewlett-Packard Company, L.P.
<input checked="" type="checkbox"/>	IPM T0003 H01 AAA	1/8/15 1:56 PM	SIM.ULATION	Update SPR	Hewlett-Packard Company, L.P.
<input type="checkbox"/>	IPM T0001 H01 AAA	1/8/15 1:55 PM	SIM.ULATION	Update SPR	Hewlett-Packard Company, L.P.

Add to Group...

Delete

Export Files

Base SPRs

All software packages in the archive where the first SPR received into the package is a Base SPR. SUTs are not included in this

<input type="checkbox"/>	Name	Received ↓	Received By	Type	Vendor
<input type="checkbox"/>	NPV T0006 H01 H01	1/8/15 1:59 PM	SIM.ULATION	Base SPR	Hewlett-Packard Company, L.P.
<input checked="" type="checkbox"/>	NPV T0003 H01 H01	1/8/15 1:59 PM	SIM.ULATION	Base SPR	Hewlett-Packard Company, L.P.
<input type="checkbox"/>	NPV T0001 H01 H01	1/8/15 1:56 PM	SIM.ULATION	Base SPR	Hewlett-Packard Company, L.P.





Add to Group...

Delete

Export Files



Product Group Sorting

<input type="checkbox"/>	Product Name	Product Number	↑	Product Version	Archive Source
<input type="checkbox"/>	+  Apple				
<input type="checkbox"/>	-  C++				
<input type="checkbox"/>	C++ Common Headers	T2830		L01 (AAM)	SUT L15.02.07.1
<input type="checkbox"/>	C++ Common RTL DLL	T2831		L01 (AAH)	SUT L15.02.10
<input type="checkbox"/>	C++ V2 RTL DLL	T2832		L01 ()	SUT L15.02.08
<input type="checkbox"/>	C++ V3 RTL DLL	T2833		L01 (AAF)	SUT L15.02.08
<input type="checkbox"/>	C++ DEMANGLE	T7146		L01 ()	SUT L15.02.07.1
<input type="checkbox"/>	+  iProducts				
<input type="checkbox"/>	+  TSQL				
<input type="checkbox"/>	LDST	T0010		L01 ()	SUT L15.02.07.1
<input type="checkbox"/>	TAPEPROCESS	T0021		L02 ()	SUT L15.02.07.1
<input type="checkbox"/>	PTR/SNMP FORMAT MOD	T0238		L01 ()	SUT L15.02.11
<input type="checkbox"/>	SQL/MP COMP AGENT	T0246		L01 ()	SUT L15.02.12



Automatic Radio Button Selection

Receive Software (Request)

Perform a receive software request to bring new software into the archive from disk or tape.

Main

Input Source

Scheduling

Request name: Receive Software

Request description

Software name


☒ Determine from incoming data

☐ Provided by planner:

Receive options



Package Software

 **HP NonStop Software Essentials**
Package Software
ISCUBA :9571

System

Tools & Links

NonStop Server Tools

- Manage NonStop Software
- Package NonStop Software

[Home](#) | User: SUPER.SUPER
[Sign Out](#)

Select Distribution Subvolume (DSV)
Select the subvolume that contains the files you want to package. ?

\SCUBA ▼

✕

Find

Enter a volume.subvolume pattern. Example: \$DSV*.E??????? ?

☒ Find only subvolumes containing packaged software (DSVs).

	System	Volume	Subvolume ↑
<input type="radio"/>	\SCUBA	\$DSMSCM	X8626L01
<input type="radio"/>	\SCUBA	\$DSMSCM	X8628L01
<input type="radio"/>	\SCUBA	\$DSMSCM	X8628L99
<input type="radio"/>	\SCUBA	\$DSMSCM	X8630L01
<input checked="" type="radio"/>	\SCUBA	\$DSMSCM	X8645L01

Open DSV



Package Software (Continued)

\SCUBA.\$DSMSCM.X8645L01 (DSV)
Create, View or Modify a Distribution Subvolume. A0CINFO Modification Time: 12/18/12 1:07 PM

☐ Show deleted files

Product Settings

Guardian Files Settings

Guardian Files Summary

OSS Files Summary

Name: STANDARD HEADERS

Number: T8645

Version: L01

Description: STANDARD HEADERS

Vendor: Hewlett-Packard Company, L.P.

SPR Type

☒ Base SPR

☐ Base SPR with Update SPR Version:

☐ Update SPR

Version:

Target Platform(s): TNS/X Only ▼

Validate Settings

Package DSV



Package Software (Continued)

☐ Show deleted files

Product Settings Guardian Files Settings Guardian Files Summary OSS Files Summary

Name: STANDARD HEADERS Number: T8645 Version: L01

Description: STANDARD HEADERS

Vendor: Hewlett-Packard Company, L.P. ▼

SPR Type

☐ Base SPR

☐ Base SPR with Update SPR Version:

☒ Update SPR Version: AAB

Target Platform(s): TNS/X Only ▼

Required SPRs

Add				
Delete	<input type="checkbox"/>	Number	↑	Version
	<input type="checkbox"/>	T1234		L01
				AAA

Replaced SPRs

Add		
Delete	<input type="checkbox"/>	Update SPR Version: <aaa>. Example: AA
	<input type="checkbox"/>	AAA

Validate Settings Package DSV



Package Software (Continued)

✖ Product Settings

Guardian Files Settings

Guardian Files Summary

OSS Files Summary

Name ↑

ACLH

AFH

ASSERTH

BUILTIH

COMPLEXH

CPATHEQ

CPIOH

CTYPEH

DIRENTH

DOMAINH

ERRNOH

FCNTLH

FENVH

FLOATH

FMTMSGH

FNMATCHH

FTWH

GLOBH

GRPH

▲ ▼ File Name: ACLH

File State	No change detected
File Code	101
Stored File Size (bytes)	526
Actual File Size (bytes)	526
File Modification Time	Thursday, May 31, 2012 5:43:25 PM PDT
Stored Fingerprint	1, 0, c06d-a33f-301e-5fc2
Licensed	<input type="checkbox"/> File is not licensable (not code 100, 500, 700 or 800)
Install If Product Present	<div>ADDIF...</div> None
Do Not Install If Product Present	<div>DELIF...</div> None

File Functions

USER (Normal) +

Function:

USER ▼

Normal ▼

Destination TSV:

SYSTEM

Installed Filename:

ACLH

File Description:



Package Software (Continued)

☐ Show deleted files

✖ Product Settings
Guardian Files Settings
Guardian Files Summary
OSS Files Summary

Name	Function ↓	TSV	Installed Name	Lic	Code	Size (bytes)	Modified	File State	FP	ADD-IF	DEL-IF
NETHDRS	USER (OSS Archive)	ZOSSUTL			180	309,248	6/1/12 4:12 PM	Not Fingerprinted			
RELHDRS	USER (OSS Archive)	ZOSSUTL			180	563,200	6/1/12 4:12 PM	Not Fingerprinted			
T8645MAN	USER (OSS Archive)	ZOSSUTL			180	143,872	6/21/10 7:46 PM	Not Fingerprinted			
ACLH	USER (Normal)	SYSTEM			101	528	5/31/12 5:43 PM	Not Fingerprinted			
AFH	USER (Normal)	ZTCPIP			101	1,706	5/31/12 5:43 PM	Not Fingerprinted			
ASSERTH	USER (Normal)	SYSTEM			101	740	5/31/12 5:43 PM	Not Fingerprinted			
BUILTINH	USER (Normal)	SYSTEM			101	1,624	5/31/12 5:43 PM	Not Fingerprinted			
COMPLEXH	USER (Normal)	SYSTEM			101	5,178	5/31/12 5:43 PM	Not Fingerprinted			
CPATHEQ	USER (Normal)	SYSTEM			101	6,686	7/15/10 1:06 PM	Not Fingerprinted			
CPIOH	USER (Normal)	SYSTEM			101	1,978	5/31/12 5:43 PM	Not Fingerprinted			
CTYPEH	USER (Normal)	SYSTEM			101	5,284	5/31/12 5:43 PM	Not Fingerprinted			
DIRENTH	USER (Normal)	SYSTEM			101	5,308	5/31/12 5:43 PM	Not Fingerprinted			
DOMAINH	USER (Normal)	ZTCPIP			101	1,184	5/31/12 5:43 PM	Not Fingerprinted			
ERRNOH	USER (Normal)	SYSTEM			101	8,348	5/31/12 5:43 PM	Not Fingerprinted			

Validate Settings
Package DSV



Package Software (Continued)

Product Settings		Guardian Files Settings		Guardian Files Summary		OSS Files Summary	
Archive File	File Path	File Type	Size (bytes)	Modified	File State	FP	Fingerprint
RELHDS	/usr/include/tmstd.h	File	1,399	6/1/12 4:11 PM	Unchanged	1,0,d12a-8243-2f50-bb83	
RELHDS	/usr/include/termios.h	File	5,380	6/1/12 4:11 PM	Unchanged	1,0,0d90-2461-26eb-b77d	
RELHDS	/usr/include/tgmath.h	File	5,263	6/1/12 4:11 PM	Unchanged	1,0,3a6a-bda7-1280-8159	
RELHDS	/usr/include/time.h	File	4,224	6/1/12 4:11 PM	Unchanged	1,0,17f9-e306-c3f4-993b	
RELHDS	/usr/include/insint.h	File	1,433	6/1/12 4:11 PM	Unchanged	1,0,4f2d-0748-fca6-0801	
RELHDS	/usr/include/ulimit.h	File	576	6/1/12 4:11 PM	Unchanged	1,0,319e-2402-d47a-7a73	
RELHDS	/usr/include/unistd.h	File	16,807	6/1/12 4:11 PM	Unchanged	1,0,1461-cba9-3372-f10f	
RELHDS	/usr/include/utime.h	File	1,428	6/1/12 4:11 PM	Unchanged	1,0,e06e-862c-59d0-08c6	
RELHDS	/usr/include/varargs.h	File	2,597	6/1/12 4:11 PM	Unchanged	1,0,8f3f-2dd4-d621-1ef5	
RELHDS	/usr/include/wchar.h	File	8,934	6/1/12 4:11 PM	Unchanged	1,0,9d15-668f-3da6-446c	
RELHDS	/usr/include/wctype.h	File	1,412	6/1/12 4:11 PM	Unchanged	1,0,02fa-5b08-8d35-0ce3	
RELHDS	/usr/include/wordexp.h	File	3,352	6/1/12 4:11 PM	Unchanged	1,0,6543-6f42-0250-a739	
T8645MAN	/etc/install_obsolete/PINSTALL_REMOVE_LIST_T8645MAN	File	0	6/21/10 7:42 PM	Unchanged	1,0,0ed8-3508-9a4f-a54e	
T8645MAN	/usr/share/man/cat4	Directory		6/21/10 7:42 PM	Unchanged		
T8645MAN	/usr/share/man/cat4/float.4	File	4,924	6/21/10 7:42 PM	Unchanged	1,0,6f11-1c89-80c2-c565	
T8645MAN	/usr/share/man/cat4/limits.4	File	30,115	6/21/10 7:42 PM	Unchanged	1,0,07ea-02c9-aac2-00f6	
T8645MAN	/usr/share/man/cat4/math.4	File	11,487	6/21/10 7:42 PM	Unchanged	1,0,f8d3-9e52-f14e-f564	
T8645MAN	/usr/share/man/cat4/signal.4	File	36,597	6/21/10 7:42 PM	Unchanged	1,0,51c3-a3cf-86c6-958e	

Validate Settings

Package DSV



Package Software (Continued)

HP NonStop Software Essentials | Home | User: SUPER.SUPER

Package DSV Status

File Name	Status	Size (bytes)	Fingerprint	File State	Details
/usr/include/wordexp.h	✓ Fingerprinted	3,352	1,0,6543-6F42-0250-A739	Unchanged	
/usr/share/man/cat4/float.4	✓ Fingerprinted	4,924	1,0,6F11-1C89-80C2-C565	Unchanged	
/usr/share/man/cat4/limits.4	✓ Fingerprinted	30,115	1,0,07EA-02C9-AAC2-00F6	Unchanged	
/usr/share/man/cat4/math.4	✓ Fingerprinted	11,487	1,0,F8D3-9E52-F14E-F564	Unchanged	
/usr/share/man/cat4/signal.4	✓ Fingerprinted	36,597	1,0,51C3-A3CF-86C6-958E	Unchanged	
/usr/share/man/cat4/termios.4	✓ Fingerprinted	24,745	1,0,81A4-2D6D-9A5E-0183	Unchanged	
/usr/share/man/cat5/errno.5	✓ Fingerprinted	27,431	1,0,1BA6-9251-5AF0-579E	Unchanged	
/usr/share/man/whatis.frag/whatis.T8645	✓ Fingerprinted	373	1,0,C6BC-0BAA-8E6C-DCC9	Unchanged	
ACLH	✓ Fingerprinted	526	1,0,C06D-A33F-301E-5FC2	Unchanged	
AFH	✓ Fingerprinted	1,706	1,0,2FEC-9B96-75C7-58D9	Unchanged	
ASSERTH	✗ Fingerprinting	740			
BUILTINH	Queued	1,624			
COMPLEXH	Queued	5,178			
CPATHEQ	Queued	6,686			
CPIOH	Queued	1,978			
CTYPEH	Queued	5,284			
DIRENTH	Queued	5,308			

✗ Fingerprinting ...

Bytes Fingerprinted: 887 KB of 2.6 MB (33%)
Files Fingerprinted: 138 of 269

Cancel

Validate Settings Package DSV



References

Documentation:

NonStop Software Essentials Online Help -- available as **online help** from the NonStop Software Essentials pages within HP SIM.

NonStop Software Essentials User's Guide. This will be in the NonStop Technical Library (NTL).

NonStop Software Essentials Installation and Quick Start Guide



NonStop Software Essentials – HP SIM / HP OneView impact

Futures

- Continued support for launching NonStop Software Essentials from HP SIM
- NSE 5.0 work is underway and will include NSE launched and run outside of HP SIM.
- NSE 5.0 will also get some security enhancements.

NonStop Software Essentials – Tips and Tricks

Useful capabilities in NonStop Software Essentials beyond DSM/SCM Planner Interface

- Multiple windows
- Comparing revisions and SUTs with other revisions and SUTs
- Cleanup of requests
- Delete old SUTs and items in the archive
- Workaround list – simpler execution

NonStop Software Essentials – Problem Solving Secrets

Workarounds to try when the problem is unknown and what action to take is unclear

- Restart activity if it is Stopped Restartable (sometimes it works the second time)
- Cancel and Restart the activity
- Cancel and Redo a new activity
- If ZPHIRNM SYS01 fails in the middle and you just want to undo everything it has done:
 - Run ZPHIRNM SYSnn FROM SYS01 where SYSnn is the previous config SYSnn (which may be the same as the current config, ie SYS01)
 - The ZPHIRNM log file contains all renames that ZPHIRNM performed. You could use this information to undo some or all of what ZPHIRNM has done, manually. This is not trivial.
- Check if ADDHDEFS and ADDTDEFS files accurately point to the DB tables
- Verify DB
- Check if the hometerm exists and is paused
- STOPSCM/STARTSCM
- STOPSCM, stop all processes running from ZDSMSCM, XPHIHDB, and X<target>, then STARTSCM
- Check TMF: TMFCOM STATUS TRANSACTION. If hung transaction, abort the transaction.
- PATHCOLD
- Check disk space
- Check swap space
- Check spooler space
- Check file security and Safeguard
- Run IPM6031
- Delete the activity
- Delete the Logical Target – Delete Curr Config SYSnn's ZPHI6030 and Verify DB
- Delete the Physical Target (not yet an option for host) and INITENV target.
- Update Statistics UPDATES – Fixes slow performance
- If files missing from target system, export them and manually put where required
- INITENV target (ZPHIUTLT support, init-target. Initialize target side of host)
- INITENV host

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