

SOFTWARE RELEASE DOCUMENT (SOFTDOC)

Product:	Shadowbase Audit Reader (SAR)
Release:	Gravic Version 6.200 HP NonStop Shadowbase: T1122-AAB (SB Repl/Guardian)
Release Date:	March 16, 2015
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NOTE: Release 6.200 is a release of HP NonStop Shadowbase for the new HP x86 (TNS-X) NonStop Systems and includes a complete set of product files customized for the new architecture, This softdoc applies to the HP NonStop Shadowbase Audit Reader (SAR). Other softdocs document the releases for:

- HP NonStop Shadowbase Compare,
- HP NonStop Shadowbase Guardian replication, and
- HP NonStop Shadowbase OSS replication components.

You are advised to reference those other softdocs for the specific changes related to those specific components.

NOTE: This softdoc covers new features and corrected problems for Shadowbase for L15 series Guardian NonStop x86 operating system versions. This softdoc is available in an Adobe PDF file (.PDF). Softdoc files are named IPMnnnn-SAR.pdf (where nnnn is the Shadowbase version number).

NOTE: The Shadowbase Audit Reader internally uses the nomenclature “TP-SPY” to reflect its original development roots. Hence, you will notice that the examples show a “tpspy” prompt, etc.

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Special Notes for Version 6.200

- 1) With the 6.200 release of SAR, support has been added for HP NonStop x86 systems running OS version L15.02 or above.

Changes in Release 6.200

New Features

- 1) Support for the new HP NonStop x86 architecture has been added. All natively compiled objects and executables have been rebuilt targeting the new x86 architecture. The compile, link, and installation scripts have been updated to use the new x86-based development tools.

Problems Fixed

- 1) Under certain conditions, SAR would trap while reading and displaying audit events for a selected SQL/MX table or index.
- 2) The HELP text contained a few minor grammatical errors.

New Features Description

None.

New and Modified Commands

None.

New and Modified TACL Parameters

None.

Installation Instructions (Shadowbase Audit Reader)

- 1) Binary FTP the TPSPYR file from your PC (if you obtained the files from a Gravic FTP site) or DVD. ASCII transfer the OINSTALL file.
- 2) To begin the Install process, enter the following at the TACL prompt:

OBEY OINSTALL

The following response will be displayed on the terminal screen. (Details of output will vary depending on your system):

```

10> obey oinstall
#push #informat
#set #informat tacl
fup alter tpspyr,code 100
run TPSPYR,($*.*.INSTXT,$*.*.INSTALL,$*.*.INSTINI),vol [#defaults],myid,listall
UNPAK - File decompression program (Kari Kujansuu/Tandem Finland 1996)
Compression routines: 'zlib' by Jean-loup Gailly and Mark Adler.
(ftp://ftp.uu.net/pub/archiving/zip/zlib/)

Archive version: 1
File Mode RESTORE Program - T9074D46 (15DEC97)
Copyright Tandem Computers Incorporated 1981-1997
Drives: ($Z4T6)
System: \CON Operating System: D45 Tape Version: 3
Backup options: NO AUDITED, BLOCKSIZE 8, NO IGNORE, NO OPEN, PARTONLY OFF,
INDEXES IMPLICIT
Restore time: 20May2000 23:42 Backup time: 20May2000 23:39 Page: 1

Tape: 1 Code EOF Last modif Owner RWEPT Type Rec B1
$DATA02.SQC
INSTALL 700 62560 20May2000 23:33 17,1 NNNN
INSTINI 101 1892 20May2000 23:24 17,1 NNNN
INSTXT 101 7584 20May2000 23:24 17,1 NNNN

Summary Information

Files restored = 3 Files not restored = 0
#pop #informat
  
```

The TPSPYR file is a self-extracting archive. During the execution of OINSTALL, the files contained within will be unpacked and restored to the system as shown above. The files restored in the step above include a customizing configuration file, INSTINI.

The INSTINI file is provided to allow for installation customization. You will have to edit this file and make the appropriate modifications to set items like the SQL catalog and the program subvolume. This can be done manually prior to continuing the installation process or during the installation process by selecting the appropriate step.

3) Follow the instructions in the Installation section of the Shadowbase on a NonStop System section of the *HP Shadowbase Audit Reader (SAR) Manual*. After making any necessary system specific changes to INSTINI, the INSTALL script will be run.

Known Problems Remaining

1) Using the option INTFORMAT set to a float format ('f') can cause the last column displayed to have its data truncated. For example, a table that is defined as:

```

>>invoke testtabl;
-- Definition of table \GRAVIC1.$QA.CJCDATA.TESTTABL
-- Definition current at 13:06:42 - 11/11/14

(
  AKEY          PIC 9(3) NO DEFAULT NOT NULL
, COL2         PIC 9(3) DEFAULT NULL
, COL3         PIC 9(5) DEFAULT NULL
)
  
```

```
, COL4          PIC 9(5) DEFAULT NULL  
)
```

with the following insert statement:

```
>>insert into testtabl values (111,111,11111,11111);
```

will generate an audit record that will display as follows (if floating point display is selected for output):

```
Record Type      : INSERT  
MAT-File        : \GRAVIC1.$AUDIT.ZTMFAT.AA000074  
MAT-Position     : 74.2588782532  
MAT-Timestamp   : 2014-11-11 13:04:48.236746  
(212282489088236746)  
Home Node       : 222 (\GRAVIC1)  
Transaction ID  : 222(2).1.7125778 (-2377618661279924222)  
Undo Flag       : 0 (NONE)  
Object Type     : 0 (Not SQL/MX object)  
After Length    : 22  
Physical File   : \GRAVIC1.$QA.CJCDATA.TESTTABL  
Logical File    : \GRAVIC1.$QA.CJCDATA.TESTTABL  
File Type       : SQL/MP table
```

```
IMG  AKEY  COL2  COL3  COL4  
---  -----  
AFT  1.11e2  1.11e2  1.1111e4  1.11
```

COL4 should be displaying 1.1111e4. If the INFORMAT parameter is set to integer display or omitted, the data will be displayed correctly:

```
IMG  AKEY  COL2  COL3  COL4  
---  -----  
AFT  111  111  11111  11111
```

- 2) Before and after image data is not displayed for audit compressed update events on relative Enscribe files which are part of aborted transactions.
- 3) While reading from saved audit under certain conditions, SAR fails to properly report the error condition causing it to stop reading.

***** End of Document *****