SOFTWARE RELEASE DOCUMENT (SOFTDOC)

Product: Shadowbase Audit Reader (SAR)

Release: Gravic Version 6.101
                    HP NonStop Shadowbase:
                            T1122-AAA (SB Repl/Guardian)

Release Date: November 12, 2014

Copyright Notice: Copyright Gravic, Inc. 1995 – 2014 (www.gravic.com)

File Name: IPM6101-SAR.doc

NOTE: Release 6.101 is a full release of HP NonStop Shadowbase and includes a complete set of product files for all HP NonStop components. 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 H06 and J06 Guardian NonStop operating system versions. This softdoc is available in an Adobe PDF file (.PDF). Softdoc files are named IPMnnnn (where nnnn is the Shadowbase version number).

NOTE: This document is a cumulative softdoc that contains the release notes for both Version 6.100 and Version 6.101.

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.

Table of Contents

Special Notes for Version 6.101 and 6.100

None.

Changes in Release 6.101

New Features

1) As a result of the Gravic/Shadowbase HP global reseller deal, the Shadowbase license processing has been reworked and standardized with all of the HP Shadowbase release modules.

2) An HCOL option has been added to the SHOW command to display column header information.

3) A CONTINUE command has been added to facilitate being able to resume interrupted or prematurely stopped Audit Reader runs.

Problems Fixed

None. This is the initial HP NonStop Shadowbase Audit Reader release.

New Features Description

Software Licensing Changes

As a result of the Gravic/Shadowbase HP global reseller deal, the Shadowbase license processing has changed. All previously released Shadowbase license files (SHADPASS and shadpass.ini) are now obsolete.

Please contact your reseller (or Gravic Support) if you are upgrading from a release prior to version 6.100 as you will require a new Shadowbase license file.

New and Modified Commands

SHOW

```
SHOW <show-detail> ;
  <show-detail> :=
    ( ALL | ALIAS | AUDIT | BOUNDS | CATALOG | HCOL | INTERPRETATION | MAPPING
      | SELECT | SETUP | TRANSACTION | WHERE )
```

The HCOL option has been added to the SHOW command. The HCOL option shows the selection status of all header columns.

CONTINUE

```
CONTINUE;
```

Continues a previously run from where it was stopped. The run may have stopped due to an error outputting the data, hitting break, or reaching the specified end condition (such as the audit trail end time for the run). You can extend a completed run by modifying the end condition and issuing the CONTINUE command. The continue cannot, however, be used after altering the start condition as that invalidates the continuation information.

New and Modified TACL Parameters

There are no new or modified TACL parameters for the initial 6.101 release.

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 RWEP    Type   Rec Bl

 $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
```

***End of Document ***