

SIMPLE

Installation and Management Guide

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1. INTRODUCTION

SIMPLE is shipped on a CD or can be downloaded from the Brightstrand International ftp site. Use the SIMPLE.EXE Self extracting Winzip file for installation. Alternatively you can use the SIMPLE.ZIP standard Winzip file if the EXE file causes problems with your environment.

2. INSTALLATION OF SIMPLE

2.1 INTRODUCTION TO SIMPLE INSTALLATION

The SIMPLE_INSTALL.EXE self extracting zip file contains the following components:-

INSTALL	A TACL routine to install the product on the target NonStop Server.
<i>Simple Installation and Management Guide</i>	The SIMPLE Installation and Management Manual.
<i>README.txt</i>	The latest information on the release of SIMPLE, including the initial loading instructions, known problems and any changes not yet included in the manuals.
<i>SIMPLE</i>	A self-extracting archive for use on the NonStop Server which contains the host based components of SIMPLE
<i>Simple User Guide</i>	The SIMPLE User Guide.

In addition a LICENSE file will have been provided either on the CD as LICENSE.TXT or as a separate entity. Note that the contents of this file **MUST NOT BE CHANGED** otherwise the product will not work on the destination system.

2.2 INSTALLATION.

2.2.1 *Installation Requirements.*

Prior to the running of INSTALL you will need access to the following:-:

1. A location to store the SIMPLE Installation files.
2. A temporary disc subvolume for use during the installation of SIMPLE. The default is \$SYSTEM.SMPLWORK.
3. The disc subvolume where the user interfaces to SIMPLE are to reside. This defaults to \$SYSTEM.SIMPLE.
4. Access to the SUPER.SUPER password for your NonStop Server where SIMPLE will be installed. This is required to set security of the SIMPLE application programs.

2.2.2 *Copying Installation files to the NonStop Server.*

1. FTP or IXF the SIMPLE file to your selected SIMPLE Installation files location on the NonStop Server using the BINARY
2. FTP or IXF the INSTALL file to your selected SIMPLE Installation files location on the NonStop Server using the BINARY
3. FTP or IXF the LICENSE file to \$SYSTEM.SIMPLE.LICENSE using ASCII mode.

2.2.3 *Installing SIMPLE.*

1. Logon to the NonStop Server as SUPER.SUPER
2. Volume to the location containing the SIMPLE Installation components
3. RUN INSTALL. This is a TACL routine that will prompt for input and install the product on the system in the desired location. The prompts displayed and Actions/Options are listed overleaf.

SIMPLE Installation Prompt	Actions.
<i>Please provide location for SIMPLE work files:</i>	Enter a valid \$Vol.Svol which the SIMPLE Installation routine will use. Default is \$SYSTEM.SMPLWORK. All files will be deleted from this location after install.
<i>Please input location for SIMPLE programs:</i>	Enter a valid \$Vol.Svol where the SIMPLE programs will reside.
<i>Existing copy of database located. Overwrite Y/N:?</i>	This prompt will only appear if a prior installation of SIMPLE has already been made and the SIMPLE database files already exists. Select Y to overwrite existing database. ALL existing data will be lost.
<i>Please input interval value:</i>	This is a timeout interval used by SIMPLE to determine how long an allocated ID can be used before they are timed out and logged off from the allowed ID. This is a value in MINUTES. A value of 0 (zero) means that there is no timeout.
<i>Is authentication required to request passwords (Y/N, default N):</i>	When a system user has been granted access to a privileged logon an option can be set where a logon authentication code needs to be entered as part of the logon to the privileged ID. If this is required then you should select Y at this prompt.
<i>Is a text message required for each password request? (Y/N, default N):</i>	The system can request from the user an additional text entry stating reason for use when the privileged logon is used. This text is saved to the SIMPLE Log. To have this option available select Y. NOTE... No input validation is performed against this text input.

2.2.4 Installation completion

When the Installation has finished the following text is displayed :-

The installation of SIMPLE is now complete. Please adjust the security of the files in \$SYSTEM.SIMPLE to ensure that the users who grant access have update access to the files and that the GETPW program in \$SYSTEM.SIMPLE can be called by the relevant users.

As part of the final steps of install you should ensure that

1. The administrator of the SIMPLE database has access to maintain the SIMPLE database.
2. You copy the supplied SIMPLE License file from your SIMPLE Installation Location to \$SYSTEM.SIMPLE

3. SIMPLE MANAGEMENT

3.1 OVERVIEW OF SIMPLE

SIMPLE consists of a number of programs located in the user specified location on the NonStop Server: The main programs for SIMPLE are :-

GETPW	The user program used to obtain a password by the requesting user
GRANTPW	The program that is used to grant permission for requesting users to obtain a password
PWDCMON	A special \$CMON, used to monitor the usage of granted passwords
PWDMON	A monitor program used to monitor the granting of requests and their time-out intervals.

In addition, SIMPLE places the database and some other internal programs in \$SYSTEM.SIMPLE. These files are:

CONSTANT	A file containing the SIMPLE default settings.
DICTALT	DDL dictionary files containing the definition of the SIMPLE database
DICTCDF	
DICTDDF	
DICTKDF	
DICTMAP	
DICTOBL	
DICTODF	
DICTOTF	
DICTOUF	
DICTOUK	
DICTRDF	
DICTTKN	
DICTTYP	
DICTVER	

LICENSE	The SIMPLE license file.
SMPLCONF	A Pathway configuration file. Part of the GRANTPW interface
REQLOG	The audit log of all SIMPLE requests
TIMEOUTS	The requested password time out database
WHOCAN	The permissions database

3.2 RUNNING SIMPLE

SIMPLE consists of 2 programs that must be run continuously, PWDMON and PWDCMON. The other programs GETPW and GRANTPW are run as required (see the USERS MANUAL for details).

PWDCMON is a special \$CMON used by SIMPLE. This is started using the following command:

```
RUN PWDCMON /NAME $CMON, CPU x, PRI nnn, NOWAIT / y
```

Where: x Is the primary CPU for the NonStop \$CMON process
 y Is the backup CPU for the NonStop \$CMON process
 nnn Is the required priority for \$CMON.

The SIMPLE monitor process PWDMON is started by the following command:

```
RUN PWDMON /NAME $aaaaa, CPU x, PRI nnn, NOWAIT/
```

Where: x Is the primary CPU for the PWDMON process
 nnn Is the required priority for PWDMON process
 aaaaa Is the required name for the PWDMON process.

Command OBEY files, STRTSMPL and STOPSMPL, have been provided for starting and stopping of these processes if required.

4. SIMPLE LOGS AND REPORTS

4.1 SIMPLE LOG

SIMPLE maintains a single log of all requests and granting of passwords in \$SYSTEM.SIMPLE.REQLOG. The log is an entry sequenced file, with a record length of 120 characters, formatted as follows:

Field Name	Format	Contents
requesttime	20 chars	Time of the action in the format dd mmm yyyy hh mm ss, for example 19 AUG 2003 12 06 51.
Pad1	2 chars	Spaces
requestor	32 chars	The name of the person making the request, e.g. dev.manager or alias-name
Pad2	2 chars	spaces
requested	32 chars	The name of the user for which the password has been requested, e.g. appl.manager or alias-manager
Pad3	2 chars	spaces
authcode	8 chars	The authentication code used, e.g. auth1234
Pad4	2 chars	spaces
status	10 chars	The outcome of the request.

The outcome of the request can be one of:

GRANTED	The requestor was granted permission to obtain the password.
DENIED	The requestor was not allowed to ask for the requested password.

DISALLOWED	Requestor is not allowed to ask for the password for this user id.
DUPL TRY	The requestor attempted to obtain the password a second time without asking for permission again.
INV AUTHCD	An invalid authentication code was entered when requesting a password.
INV USERID	The userid or password entered when requesting a password is incorrect.
PWGEN ERR	An error was encountered when attempting to generate a password during a permitted request.

4.2 SIMPLE REPORTS

A report of the current contents of the SIMPLE log can be obtained by the command:

```
FUP COPY $SYSTEM.SIMPLE.REQLOG, $S.#SMPLLOG,SHARE
```

Which will put a copy of the log into spooler location \$S.#SMPLLOG. Note that the record length is 120 characters and if the report is to go onto an 80 column page or a screen then it is recommended that the FOLD option within FUP is used to prevent information loss by truncation.