

NonStop NET/MASTER Tips and Techniques
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Introduction

This is an ongoing column with NonStop NET/MASTER tips and techniques. Each column is also accessible from <http://www.greshamsoftwarelabs.com.au/> (Gresham Software Labs). Please send all comments and suggestions to John New at jnew@greshamsoftwarelabs.com.au.

Biography

John New is a technical writer. He has written and updated various Tandem manuals. He currently writes hard-copy, online, and web documents for a variety of software products.

NonStop NET/MASTER Tips and Techniques

Executing Guardian Utilities Using Different Guardian User IDs

A previous column discussed how a user can start a single TAFL process from NonStop NET/MASTER Management Services (MS) to execute TAFL commands and macros. This column discusses how a NonStop NET/MASTER MS user can start multiple TAFL processes under different Guardian user IDs (GUIDs) and send commands and macros to the correct TAFL process as required. Using the same technique, a user can also start different conversational Guardian utilities under different GUIDs and send commands to the correct utility process as required.

Background Information

A GUID consists of a group number and a user number, separated by a comma (,); for example, 255,100. A NonStop NET/MASTER MS user ID is the unique identifier for a NonStop NET/MASTER MS user, consisting of one through eight alphanumeric characters, @, #, or \$; for example, USER01\$.

Each NonStop NET/MASTER MS user must have at least one GUID associated with their NonStop NET/MASTER MS user ID; each user may have up to eight associated GUIDs. You (the NonStop NET/MASTER MS system manager or security administrator) define GUIDs for each user by using User ID Management Services (UMS). GUIDs are defined in the Guardian ID field from the UMS : User Details panel (the first GUID defined in the Guardian ID field is the default).

A GUID defines each user's access to conversational Guardian utilities from NonStop NET/MASTER MS. When a NonStop NET/MASTER MS user attempts to execute such a utility (typically by using an OPSYS command from Operator Control Services (OCS)), the attempt is made using the user's current GUID (unless the value of PARAM SWGUID=NO, whereupon the attempt is made using the GUID of NonStop NET/MASTER MS).

Each GUID defined in a NonStop NET/MASTER MS user ID record must also be defined to the Guardian environment for the attempt to succeed (if the value of PARAM SWGUID=YES); otherwise, a user will be unable to access conversational Guardian utilities using that GUID.

UMS does not check whether a GUID is defined to the Guardian environment. If the value of PARAM SWGUID=YES, you can prevent a user from being able to use an OPSYS command to execute any utilities by simply giving that user a single GUID that is not defined to the Guardian environment. This is a dummy GUID. If the value of PARAM SWGUID=NO, you must use appropriate command and user authority levels to prevent a user from being able to execute any utilities. (Note, however, that a user with a dummy GUID will still be able to execute utilities by using a PROGRUN command.)

It is advisable for NonStop NET/MASTER MS users to not share the same NonStop NET/MASTER MS user ID. This practice creates a direct relationship between a NonStop NET/MASTER MS user ID and the commands executed using that user ID. Because it is possible to log every command and to examine the NonStop NET/MASTER MS activity log to determine who has executed every command, creating a direct relationship preserves each user's accountability for the operation of utility commands, including Tandem system management commands.

It is advisable for each NonStop NET/MASTER MS user to have their own unique GUID. However, it may be desirable for NonStop NET/MASTER MS users to share one or more functional GUIDs in common so that more than one user can perform certain system management tasks. For example, one user may have a GUID of 100,100, another user may have a GUID of 100,200, and the two users may also share the functional GUID of 255,100.

A user in OCS can use the PROFILE command to display information about their current OCS profile, including their current GUID. If a user has multiple GUIDs defined in their user ID definition record, the OCS user can use the PROFILE GUID command to switch from one GUID to another. By examining the NonStop NET/MASTER MS activity log, you can determine when and how often users switch from one GUID to another.

Techniques

After logging on to NonStop NET/MASTER MS, follow these steps to assign an additional GUID to an existing user who currently has a single GUID:

1. From the NonStop NET/MASTER MS Primary Menu, type M in the Select Option field and press the Enter key. The User ID Management Services : Primary Menu appears.
2. Type U in the Select Option field, type the user ID in the User field, type USER in the Definition Type field, and press the Enter key. The UMS : User Details panel appears.
3. Press the Tab key three times. The cursor is positioned in a blank group ID field in the Guardian ID field.
4. Type a group ID.
5. Press the Tab key. The cursor is positioned in a blank user ID field in the Guardian ID field.
6. Type a user ID.
7. Press F3 to save the record. The User ID Management Services : Primary Menu appears.

Executing Utilities Under Different GUIDs

The following commands from the OCS command input line illustrate how to execute <macro-name> from TAQL and how to execute a FUP command. If

these commands are executed consecutively, the TACL and FUP processes are started using the same GUID.

```
OPSYS SEND TACL <macro-name>
OPSYS SEND FUP FILES
```

or (using the shortened form of the preceding OPSYS commands):

```
TACL <macro-name>
FUP FILES
```

Assume that you have two GUIDs assigned in your NonStop NET/MASTER MS user ID definition record (100,100 and 255,100), these GUIDs are defined in the Guardian environment, the value of PARAM SWGUID=YES, and that you have sufficient authority to execute OPSYS commands. The following sequence of commands from the OCS command input line illustrates how to start processes using these GUIDs:

1. You enter OCS. Your default and current GUID is 100,100. You start a TACL process under that GUID:

```
OPSYS SEND TACL <macro-name>
```

2. You use the PROFILE GUID command to switch GUIDs:

```
PROFILE GUID=255,100
```

3. Your current GUID is 255,100 and you start an SCF process under that GUID:

```
OPSYS SEND SCF ABORT $X2501
```

You can now use PROFILE GUID commands as required to switch between GUIDs and to feed additional commands to the TACL and SCF processes from those GUIDs. If you have additional GUIDs defined in your NonStop NET/MASTER MS user ID definition record, you can start, and switch among, processes running under those additional GUIDs.