

## G06.27 README

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This README (SUT) file contains information that was not available at the time manuals, softdocs, and other release materials were produced. This file contains only information pertinent to the G06.27 Release Version Update (RVU).

See the online NonStop Technical Library (NTL) support collection for the latest version of the README file.

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 G06.27 README file
 

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- o Enscribe Filesystem (T9055)  
 Solution 10-050722-0066

If a child process is created in a CPU that is different from that of the parent, and if any of the opened files in the parent process has as many I/Os pending as nowait depth for the file, `tdm_spawn()` fails with error 28.

Recovery  
 None.

Workaround  
 Do not have any I/O outstanding on `$RECEIVE` when calling `tdm_spawn`.

- o EXPAND (T9057)  
 Solution 10-050427-7173

1. An application's write request on a EXPAND ATMSAP line may return error 249 (Network error: operation aborted).
2. Copying of files using the FUP DUP command over an EXPAND ATMSAP line may hang. FUP INFO output\_file\_name on a destination system output will be as follows:

CODE	EOF	LAST MODIFIED	OWNER	RWEP	PExt	SExt
ZSTOSCF OC	100	2506752	18JUN2005 0:19	255,255	NNNN	542 16

This problem occurs only when the following conditions are met:

- The EXPAND LINE is configured with PROFILE modifier set to PEXPSATM and CALLTYPE modifier set to ATMSAP.

- Modifier PATHPACKETBYTES is greater than or equal to 9152 and less than or equal to 9180.
- Modifier PATHBLOCKBYTES is greater than 9152 and less than or equal to 9180.

Recovery

Abort the application. Alter EXPAND path modifier value PATHPACKETBYTES to be less than 9152.

Workaround

For EXPAND devices with PROFILE set to PEXPSATM and CALLTYPE set to ATMSAP, set modifier PATHPACKETBYTES less than 9152.

- o Fibre Channel Monitor (T1176)  
Solution 10-050814-0608

When the Fibre Channel disk drive enclosure configuration is changed from 2C2D to 4C4D, FCSMON abends.

Recovery

None. FCSMON is automatically restarted by \$ZPM.

Workaround

None.

- o Fibre Channel Monitor (T1176)  
Solution 10-050901-1024

When download to FCSA does not succeed, FCSMON (Fibre Channel disk drive enclosure monitor process) adds a daisy-chained FCDM (Fibre Channel Disk Module) in an incorrect group.

Recovery

Restart FCSMON.

Workaround

None.

- o NMCGEN (Native Mode Code Gen) (T8304)  
Solution 10-050610-8621

When using NOFT to see the modification and compilation timestamp, the user will see the modification time stamp to be later than compilation time stamp if compilation is done in a time zone that is earlier than the time zone where the object is read by NOFT.

Recovery

Take the object file back to the later time zone to verify that the modification time and compilation time are correct.

Workaround

Check the timestamps using NOFT on the system where compilation took place to ensure that the information is correct before moving the object file to a different time zone.

- o NonStop Kernel (T9050)  
Solution 10-050706-9478

When the \$ZZKRN policy for DCT size is changed from SMALL to MEDIUM, on system load the policy change is not reflected in "PEEK /CPU nn/ POOL" info.

#### Recovery

Issue an "alter subsys \$ZZKRN, DCT medium" command in SCF after a system load is performed.

#### Workaround

Issue an "alter subsys \$ZZKRN, DCT medium" command in SCF after a system load is performed.

- o OSS NAME SERVER (T8621)  
Solution 10-050219-4847

The Name Server process drives the CPU busy for a long time (potentially hours) and Measure data shows a large number of messages from Name Server to DP2 (possibly millions). This occurs under the following conditions:

- a) The number of files in a directory of a fileset is more than the configured LINKCACHE limit of the associated Name Server.
- AND
- b) Name Server receives name lookups (for OSS name from Guardian name) for every file in the directory ( for example, Measure with OSS journaling ON).

#### Recovery

The problem eventually goes away (when Measure runs out of files to do journal entries for.)

#### Workaround

- a) Increase the value of LINKCACHE of Name Server through SCF to at least the number of files in the largest directory of the filesets associated with the Name Server.
- OR
- b) Split the large directories into smaller directories.

- o OSS NAME SERVER (T8621)  
Solution 10-050624-9126

Name Server process' CPU consumption is high and the system performance (for example, OLTP applications running in the CPU where NS process is running) is affected.

The problem would occur under all of the following conditions:

- When there is a large number of files in a directory of a fileset. (For example, 35000 files in a directory.)
- A FIND command is given on a file in the directory.

#### Recovery

None. Once the FIND command completes, the performance goes back to normal.

#### Workaround

Rearrange the directory structure and keep the number of files in

a directory small.

- o STD POSIX Threads (T1248)  
Solution 10-050713-9731

`pthread_cancel()` does not cancel a thread when the thread is waiting for an I/O.

Recovery  
None.

Workaround  
Application could call `pthread_testcancel()` API to process the pending cancel request.

- o SQL/MX MXCMP (T1050)  
Solution 10-050602-8348

A file scan is chosen instead of the MDAM scan if there is a large number of expressions in IN predicate of the WHERE clause.

Recovery  
None.

Workaround  
Use Control Query Shape to force the MDAM scan.

- o SQL/MX MXCMP (T1050)  
Solution 10-050710-9594

MXCMP fails with an assertion error at `#ConstValue::pushDownType`. This problem could occur when:

- `CQD INFER_CHARSET` should be set to `'TRUE'`.
- Table should be range partitioned on a character column.
- Plan should have an `esp_exchange` node.

Recovery  
Use the workaround and re-compile the query.

Workaround  
Specify `CONTROL QUERY DEFAULT INFER_CHARSET 'FALSE'`.

- o SQL/MX MXCMP (T1050)  
Solution 10-050817-0660

Query compilation fails with error 2105 when using a Control query shape with pack nodes in MXCI.

Recovery  
None.

Workaround  
None. Pack nodes have to be used with rowsets. The feature described above is not supported by MXCI. Hence MXCI reports an error.

- o TCP/IP FTP (T9552)  
Solution 10-050616-8853

FTP API call FTPLIST() returns error 403 to the application, when a very long list of files is being retrieved from a remote system.

Recovery  
None.

#### Workaround

Use FTPLIST() function calls multiple times to retrieve the files. For example, pass the "pattern" argument of the FTPLIST() as "a\*" to retrieve the list of files starting from "A" or "B" and so on.

- o TELSERV (T9553)  
Solution 10-050617-8872

Wrong "\_DEFAULTS" defines were inherited when an alias user is logged in through OSS service. This happens under these conditions:

- Configure an OSH service on a Telserv process.
- Select the configured OSH service after connecting to Telserv process.
- Log in as an alias for the existing user (Alias should have DEFAULT VOLUME other than that of the user.)
- Issue the command INFO\_DEFINE =\_DEFAULTS at the OSH prompt.

Recovery  
None.

#### Workaround

Either configure the same Guardian Default Volume for the User and all its alias(es), or go to an OSH prompt from TACL.

#### Errata

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--Printing Softdocs for the G06.27 RVU--

Most softdocs for the G06.27 RVU do not have embedded TGAL-formatting commands. If you need to print softdocs directly from the SUT, use the following TGAL command:

```
TGAL/IN infile, OUT outfile/ NEW;POFF 8;OUTLEN 80
```

For those softdocs that do have embedded TGAL-formatting commands, the aforementioned command can be used as well.