Support Note for using
HP NonStop AutoTMF with
Oracle GoldenGate Software
(October 2019)

SUMMARY

This support note describes how to combine the GoldenGate Software User Library with the AutoTMF User Library. Of critical importance is that the GoldenGate User Library must not be processed through the AutoTMF PREPARE phase as a customer User Library would be.

The support note covers both the initial installation and the subsequent updates to the Oracle Golden Gate or AutoTMF libraries.

INITIAL INSTALLATION

Oracle Golden Gate library only:

TNS (code 100) usage:

1. Using BIND, combine the Oracle GoldenGate library with the AutoTMF library <autotmf-subvol>.ATMRUNTM.
2. Accelerate the combined library object
3. Prepare the application object file pointing to the combined library

   In binder:
   ```
   SELECT LIST * OFF
   ADD * FROM <Oracle-GoldenGate-lib>
   ADD * FROM <autotmf-subvol>.ATMRUNTM
   SET HIGHPIN ON, HIGHREQUESTERS ON, INSPECT ON, SAVEABEND ON
   BUILD <combined-lib>!
   ```

   On NonStop Integrity servers:
   ```
   OCA <combined-lib>, UL
   ```

   On NonStop X servers:
   ```
   OCAX <combined-lib>, UL
   ```

   In Autotmf CI:
   ```
   PREPARE <app-obj>, LIB <combined-lib>;
   ```

TNS/E (code 800) DLL usage:

1. Prepare the code 800 application object
2. Using eld, change the library name in the prepared application object to the fully qualified Golden Gate DLL, $<vol.subvol>.GGSDLL

   In Autotmf CI:
   ```
   AUTOTMF PREPARE <tnseapp>;
   ```

   At the TACL prompt:
   ```
   eld -change libname $<vol.subvol>.GGSDLL -o <tnseapp>
   ```

TNS/X (code 500) DLL usage:

1. Prepare the code 500 application object
3. Using xld, change the library name in the prepared application object to the fully qualified Golden Gate DLL, $<vol.subvol>.GGSDLL

   In Autotmf CI:

```
AUTOTMF PREPARE <tnsxapp>;
```

   At the TACL prompt:

```
xld -change libname $<vol.subvol>.GGSDLL -o <tnsxapp>
```

Oracle Golden Gatelibrary combined with a customer library:

TNS (code 100) usage:

1. Prepare a version of the customer library that does not contain the Oracle Golden Gate library
2. Using BIND, combine the prepared customer library with the GoldenGate library and with the AutoTMF library <autotmf-subvol>.ATMRUNTM.
3. Accelerate the combined library object
4. Prepare the application object file pointing to the combined library

   In Autotmf CI:

```
PREPARE <custlib-without-OGG>, UL;
```

   In binder:

```
SELECT LIST * OFF
ADD * FROM <Oracle-GoldenGate-lib>
ADD * FROM <custlib-without-OGG>
ADD * FROM <autotmf-subvol>.ATMRUNTM
SET HIGHPIN ON, HIGHREQUESTERS ON, INSPECT ON, SAVEABEND ON
BUILD <combined-lib>!
```

   On NonStop Integrity servers:

```
OCA <combined-lib>
```

   On NonStop X servers:

```
OCAX <combined-lib>
```

   In Autotmf CI:

```
PREPARE <app-obj>, LIB <combined-lib>;
```

TNS/E (code 800) DLL usage:

1. Prepare the customer DLL
2. In Autotmf CI, prepare the code 800 application object
3. Using eld, change the library name in the prepared application object to the Golden Gate DLL

   In Autotmf CI:

```
PREPARE <custdll>, UL;
```

```
AUTOTMF PREPARE <tnseapp>;
```

```
eld -change libname $SYSTEM.GGS.GGSDLL -o <tnseapp>;
```

Updating the Golden Gate or AutoTMF User Library

After deploying the updated software, follow the steps described above to rebuild the runtime library corresponding to the platform model. As long as the library names remain the same, there is no requirement to perform any operations that involve reprepairing the customer application programs.

For example, as long as the GoldenGate DLL retains the fully qualified name $SYSTEM.GGS.GGSDDL, there is no reason to perform the –change libname step for the TNS/E platform.