Removing GLSERVER.EXE from GSM (Windows)

1. Introduction

This note explains how a GSM (Windows) configuration can be simplified by removing the requirement for a Global Server.

Important note: This technique only applies to single Global Client configurations. It cannot be used on multiple Global Client configurations.

In the sections that follow it is assumed that a configuration with a single Global Server "A" and a single Global Client, with a node-id of 27, has been installed. Furthermore, the SYSRES unit on the Global Server is assumed to be A01.

2. Global Server and Global Client with a local SYSRES

This configuration is the easiest to convert to a "Global Client only" system because the client is already loading from a SYSRES volume. That is, the GLOBAL.EXE command line is of the form:

```
C:\GSM\GLOBAL.EXE  C:\GSM\GSM200
```

1). Copy all the "master SYSRES files" from A01 to 201. The actual "master SYSRES files" will depend on the run-time GSM options but will include central data files such as $$AUTH and central menu files. For most configurations this can be achieved by copying all the files from A01 to 201, without replacing any existing files;

2). Change the Global Client node-id in the registry from 27, in this example, to 1;

3). Add the /X command line option to the GLOBAL.EXE command line to by-pass the strict node-id checking that would otherwise treat a node-id of 1 as invalid. For example:

```
C:\GSM\GLOBAL.EXE  C:\GSM\GSM200  /X
```

3. Global Server and Global Client with a local DDF but no local SYSRES

This configuration is also relatively easy to convert to a "Global Client only" system because the client is already includes a local DDF. The Global client loads from a SYSIPL volume. That is, the GLOBAL.EXE command line is of the form:

C:\GSM\GLOBAL.EXE C:\GSM\GL-IPL.DLV

1). Use $V to allocate a SYSRES unit 201 on the local DDF. This SYSRES volume must be 201 otherwise further complex customisation will be necessary;

2). Copy all the files from A01 to 201;

3). Change the Global Client node-id in the registry from 27, in this example, to 1;

4). Add the /X command line option to the GLOBAL.EXE command line to by-pass the strict node-id checking that would otherwise treat a node-id of 1 as invalid. For example:

C:\GSM\GLOBAL.EXE C:\GSM\GL-IPL.DLV /X

Note that the local GSM200 domain does not include a bootstrap so it will be necessary to continue to load GSM from the SYSIPL device.

4. Global Server and Global Client without a local DDF

This configuration is the most difficult to convert to a "Global Client only" system because a local DDF must be created. The client loads from a SYSIPL volume. That is, the GLOBAL.EXE command line is of the form:

C:\GSM\GLOBAL.EXE C:\GSM\GL-IPL.DLV

1). Use GLREGED.EXE to create a local DDF entry in the following key:
Global\Client\Data\DiscreteDataFile
Add a new Valuename:
DDF0
With a key of the form:
C:\GSM\GSM200

2). This will automatically run GLDFMAIN. Use this utility to create the GSM200 directory and the 00SYSDOM.SVL file;

3). Load GSM (i.e. reload both the Global Sever and the Global Client). Use $V to initialise domain 200 and a SYSRES volume on 201. This SYSRES volume must be 201 otherwise further complex customisation will be necessary;

4). Copy all the files from A01 to 201;

5). Change the Global Client node-id in the registry from 27, in this example, to 1;

6). Add the /X command line option to the GLOBAL.EXE command line to by-pass the strict node-id checking that would otherwise treat a node-id of 1 as invalid. For example:

```
C:\GSM\GLOBAL.EXE  C:\GSM\GL-IPL.DLV  /X
```

Note that the local GSM200 domain does not include a bootstrap so it will be necessary to continue to load GSM from the SYSIPL device.