

Configure and Execute Replication

Objective

Given an operating NT domain, configure directory replication on the PDC and the other nodes in the domain.

In This Module

- Review the different types of replication
 - Review and create directory structures to be replicated
 - Configure the PDC for directory replication (export)
 - Configure the GUS for directory replication (import)
-

Configure and Execute Replication

Types of Replication

There are three types of replication:

- PDC_COPY
- Commit Configuration/Replicate
- Standard NT Replication

Configure and Execute Repl

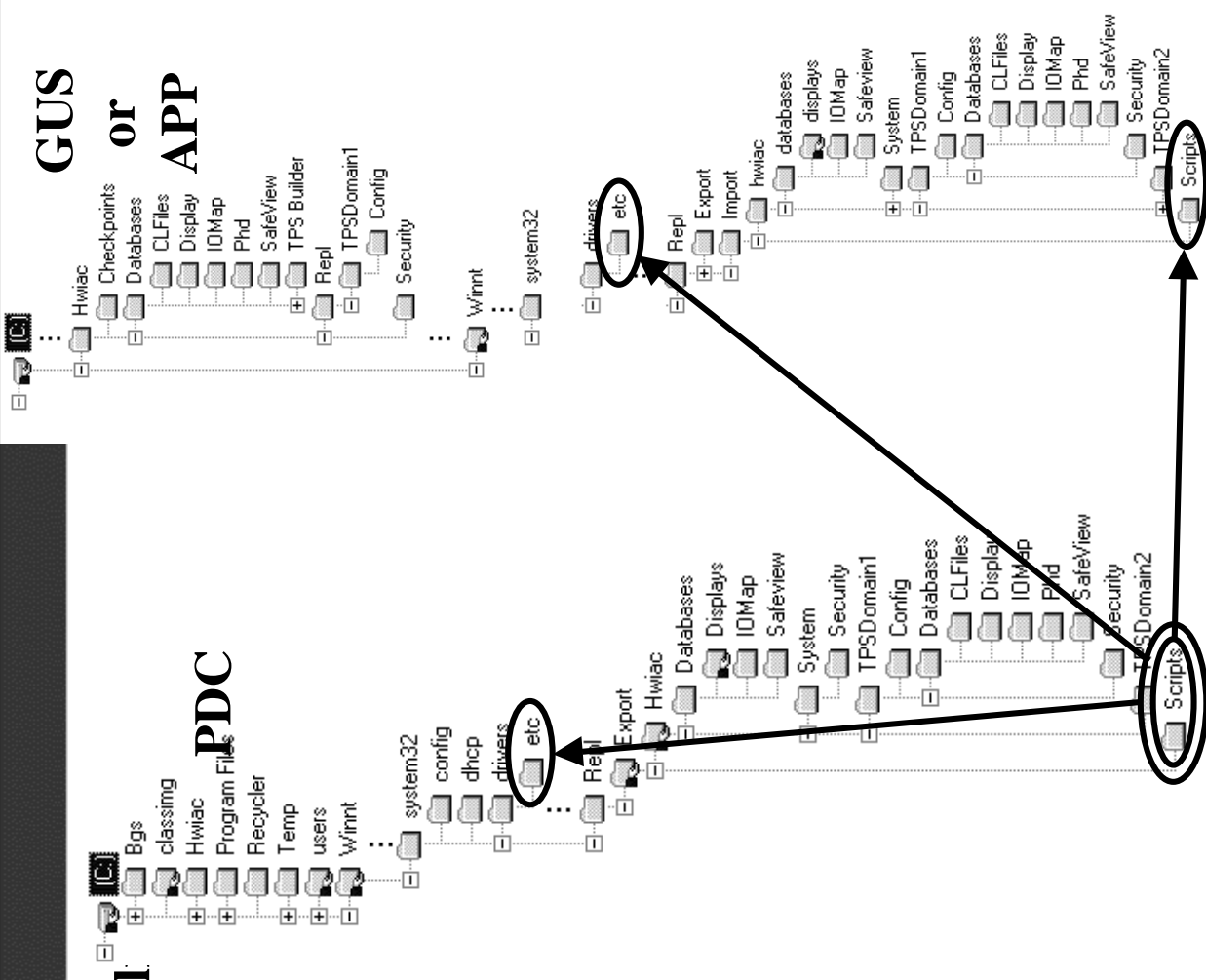
PDC_COPY

- 1. Copies files of type:
.bat or .pol or .cmd
to all GUS and APP nodes
listed in PDC_COPY.bat

OR

- 2. Copies files:
HOSTS and **LMHOSTS**
to all GUS and APP nodes
listed in PDC_COPY.bat
AND to PDC

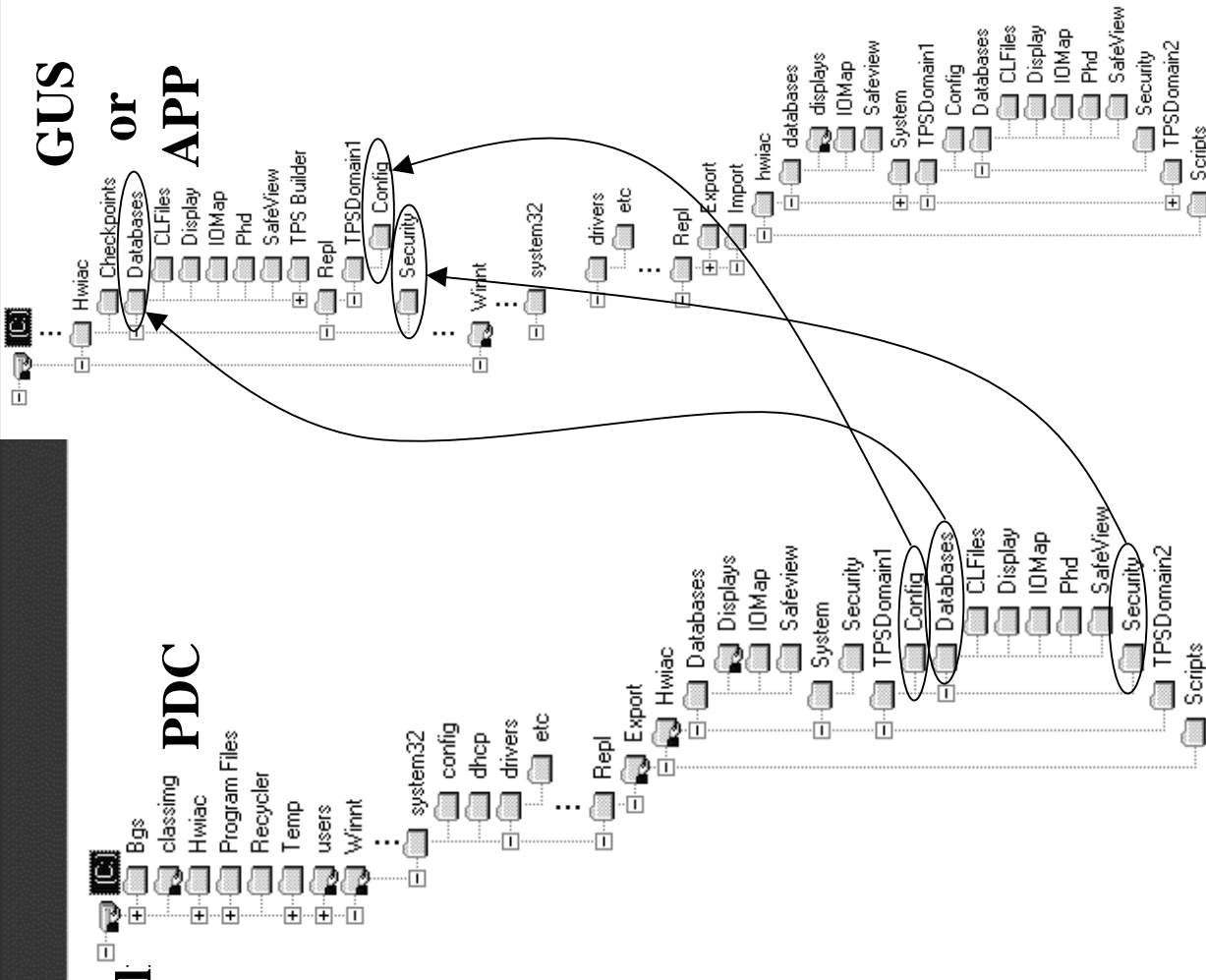
- Manual Initiation



Configure and Execute Repl

Commit Config/Replicate

- C:\ProgramFiles\Honeywell\Tps\databases not used
- Copies TPS Domain configuration and security files
- Manual Initiation
- Done by TPSAdmin service running under TPSRepl



Configure and Execute Repl

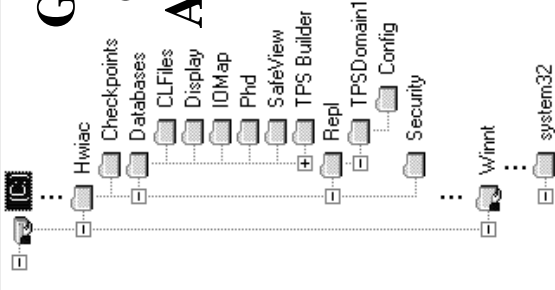
Standard NT Replication

- Copies to all nodes in NT domain that are configured for import replication
- Copies all folders and their contents from Export directory on PDC to Import directories
- Does not copy files in Export directory
- Done by Directory Replicator service running under TPSGUSRepl
- Initiated periodically by PDC (default every 5 min)

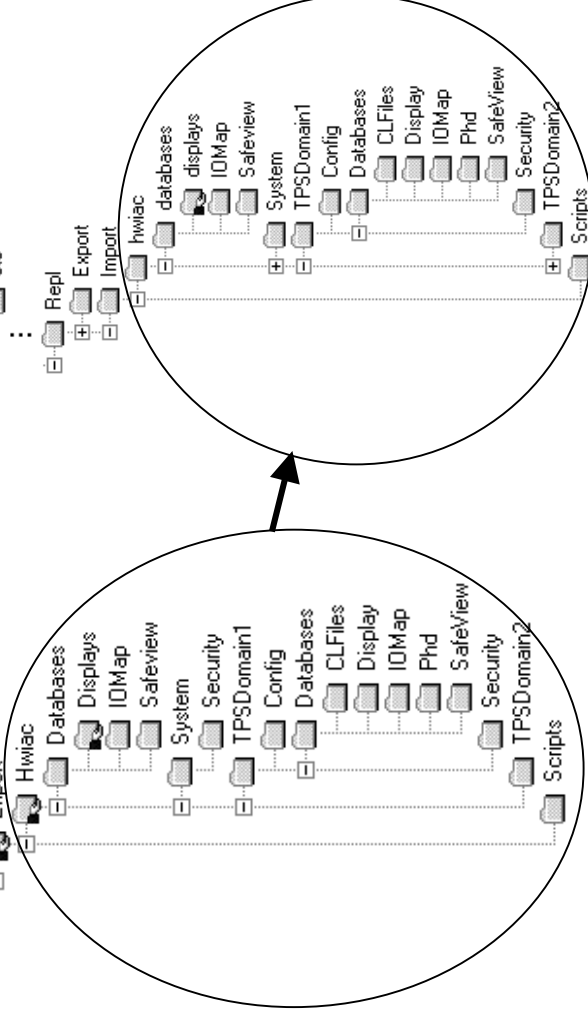
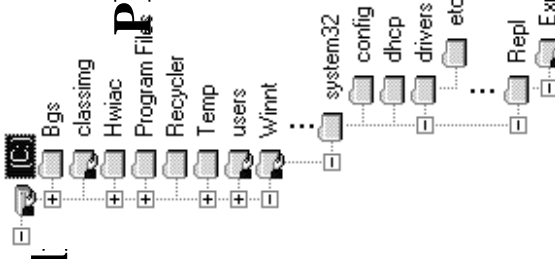
HKEY_LOCAL_MACHINE
System>CurrentControlSet>Services>Replicator>Parameters
Interval >=4

GUS

or APP

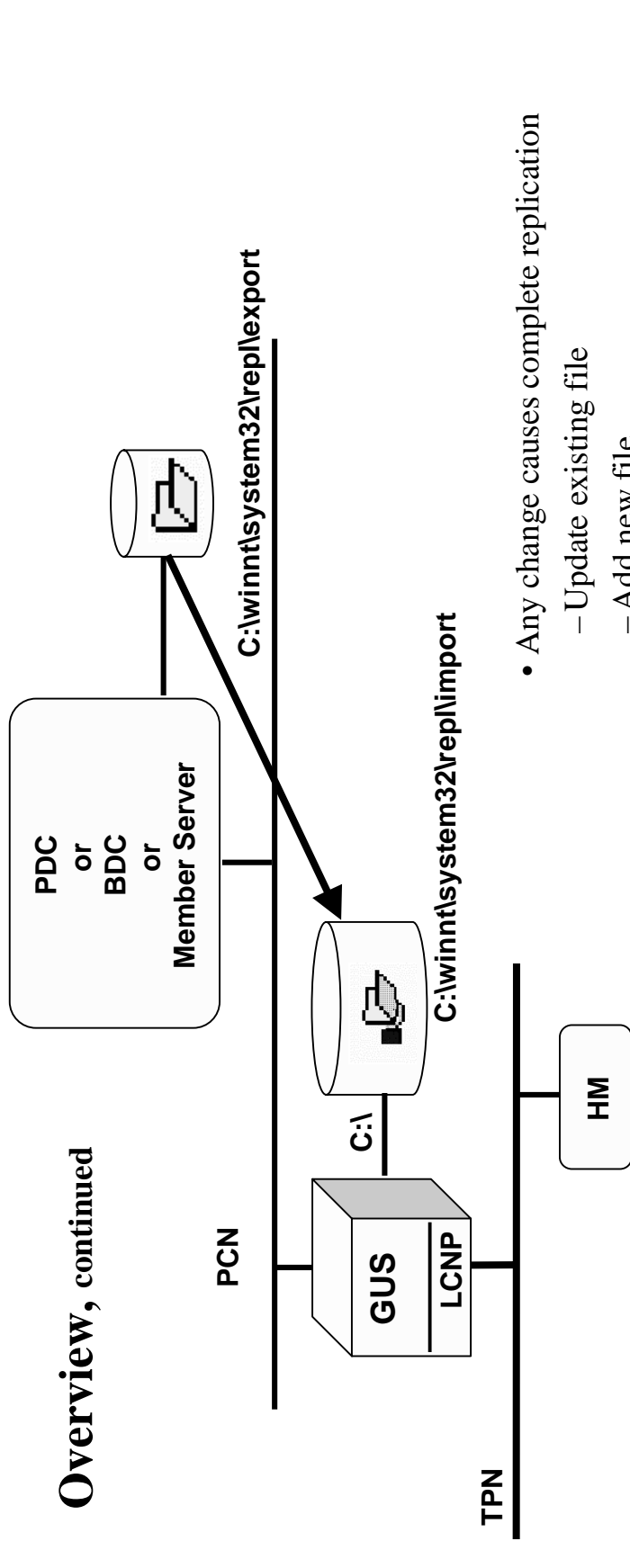


PDC



Configure and Execute Replication

Overview, continued



- The diagram consists of a thick horizontal line. A vertical line segment descends from the horizontal line, connecting to the top center of a rounded rectangular box. Inside the box, the letters 'HM' are written in a bold, sans-serif font.

Configure and Execute Replication

Configure the PDC Replicator

The Microsoft Windows NT Server node that serves as the PDC is the node that should be configured as the master for replication. There are several steps required for setting up the replication server at the NT Server.

- Configure a replication account TPSGUSRepl
 - Add to replicator group
- Create desired directories under \winnt\system32\Repl\export
- Configure Directory Replicator service
 - Auto start
 - Run as TPSGUSRepl
- Configure Replication server
 - Export from \winnt\system32\Repl\export

Configure and Execute Replication

Configure TPS Nodes for Replication

The TPS nodes can now be set up to receive the replication. This procedure must be executed at each of the TPS nodes.

- Configure Directory Replicator service
 - Autoboot
 - Run as account configured on PDC
- Configure Replication server
 - import to |winnt\system32\Repl\import