

# Install and Configure a TPS APP Node

## Objective

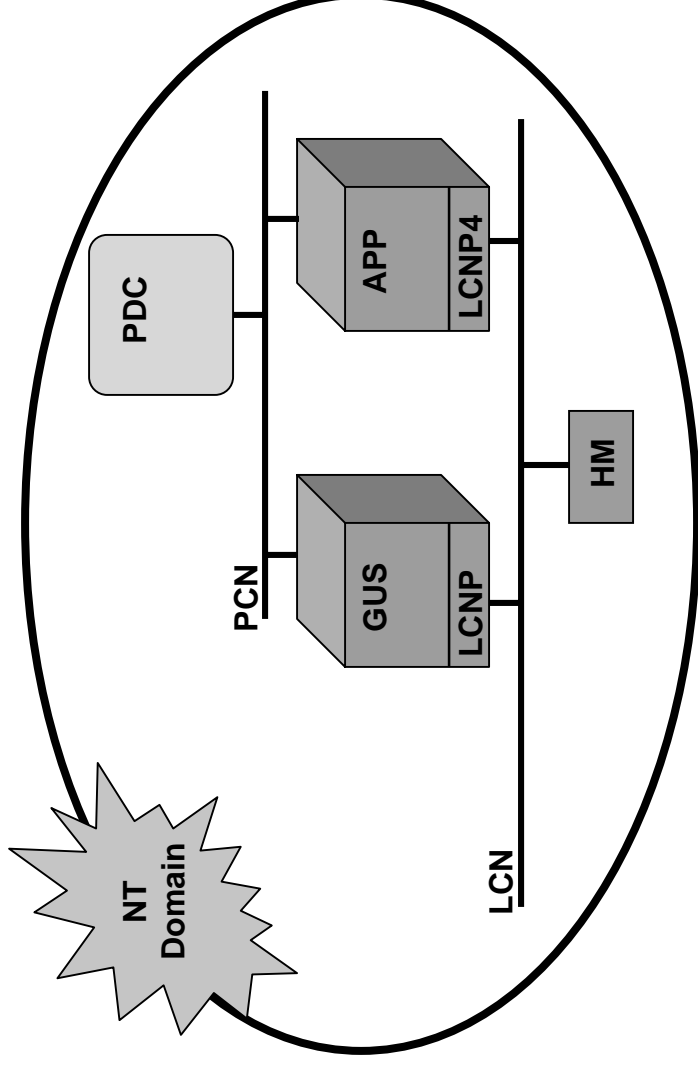
Given an NT Server node, install the TPS APP software and configure the node to be a TPS APP node.

## In This Module

- Overview of APP Node Configuration
  - General NT setup (Admin password, date)
  - Add LCNP4 board
  - Run Configuration Utility
  - Connect APP to LCN
  - Load TPN System files to HM
  - Add APP to NCF
  - Configure TCP/IP and connect APP to PCN
  - Add APP to NT Domain
  - Setup APP security (users, groups, etc.)
  - Distribute HOSTS and LMHOSTS files
  - Install APP Personality and Optional Software
  - Load “LCN side” with APP Personality
-

## Install and Configure a TPS APP Node

### Overview

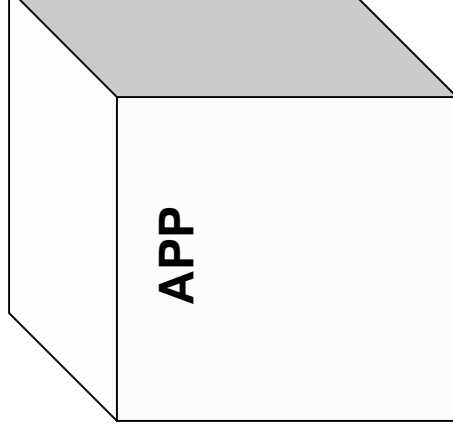


## **Install and Configure a TPS APP Node**

### **In the Beginning...**

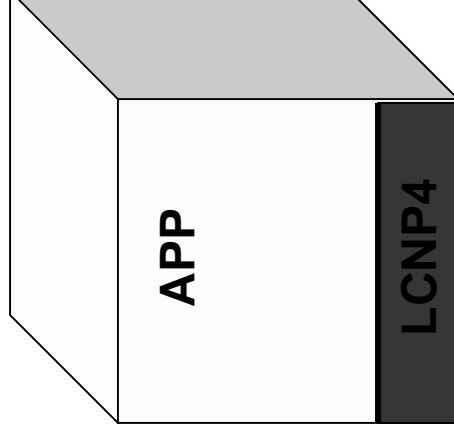
An APP node “as shipped” from Honeywell

- Not on LCN
- Not on PCN
- Board Ø



## Install and Configure a TPS APP Node

### Remove/Add LCNP4 Board

A screenshot of a software dialog box titled "Enter New Board Information" with a close button (X) in the top right corner. The dialog contains the following fields and options:

- Board Number:** A text box containing the value "0".
- Board Name:** A text box containing the value "APPxx".
- LCN Personality Supported:** A group box containing two radio button options:
  - ☐ GUS
  - ☒ APP
  - ☐ Universal Station
  - ☐ Application Module
- Buttons:** "OK" and "Cancel" buttons are located at the bottom right of the dialog.

## Install and Configure a TPS APP Node

### Configure APP

#### LCNP configuration

- LCN Address
- NG name  
(enter a single space)
- LCN Name
- LCNP Reset Controls

The screenshot shows a window titled "Board 0" with a tabbed interface. The "LCNP" tab is selected, and the "Data Access Configuration" sub-tab is active. The window contains a description box, input fields for LCN Address and LCN Name, a dropdown for Personality, and a section for LCNP Reset Controls. The LCN Address is set to 0, and the LCN Name is set to Board 0. The Personality is set to APP. The LCNP Reset Controls section has a "From LCNP Status Display" checkbox checked and a "Remote" checkbox unchecked. The window has standard "OK", "Cancel", "Apply", and "Help" buttons.

**Board 0**

LCNP | Common | Data Access Configuration

Description

The LCNP adapter card supports the execution of a standard TDC Personality and provides connection to the LCN.

This form provides configuration information for the adapter's identity on the LCN network.

LCN Address: 0 NG Name:

LCN Name: Board 0

Personality: APP

LCNP Reset Controls

From LCNP Status Display ☒ Local ☒ Remote ☐

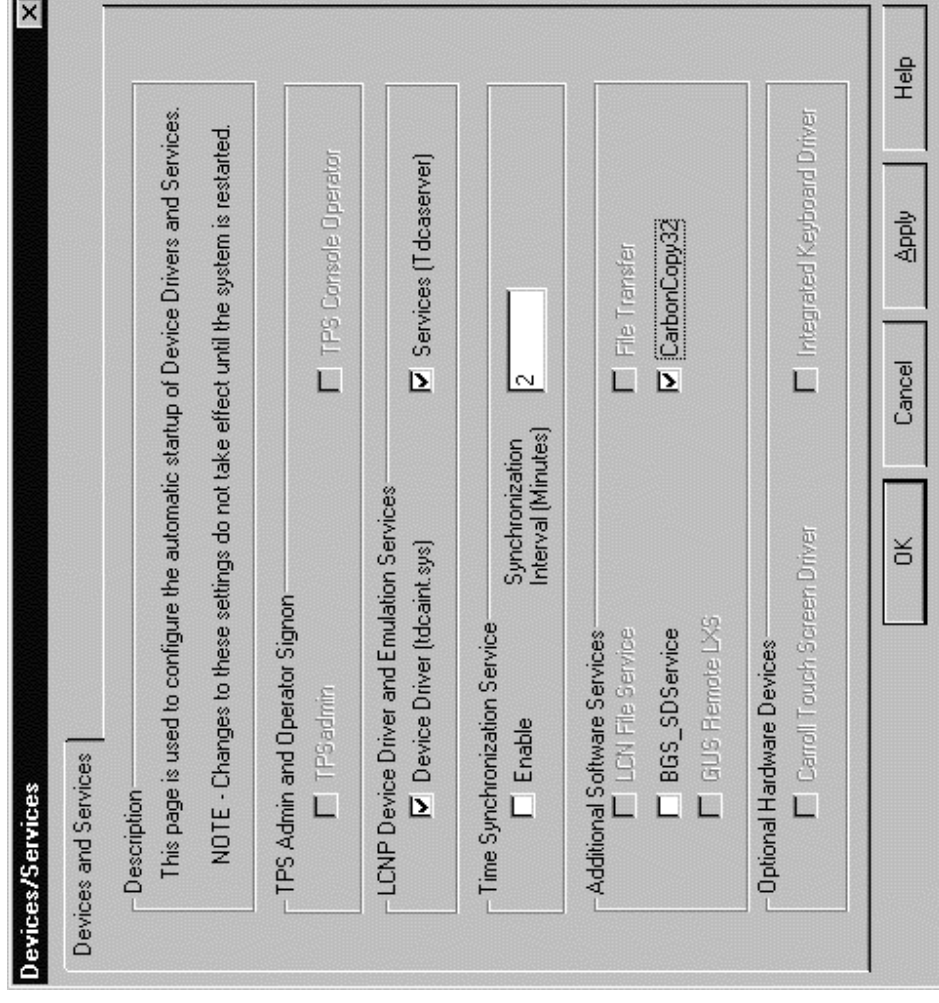
OK Cancel Apply Help

## Install and Configure a TPS APP Node

### Configure APP, continued

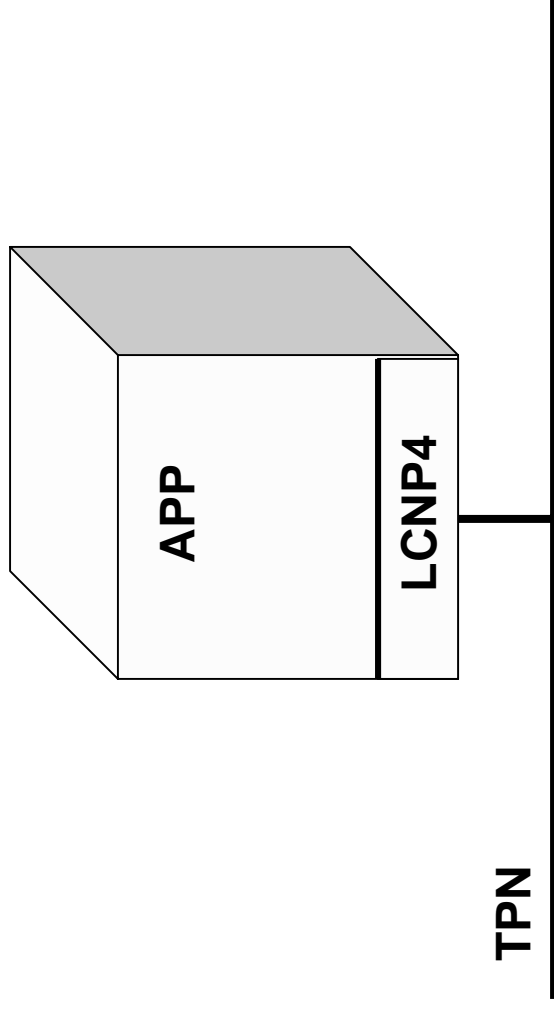
#### Devices / Services

- Device Driver - **tdcaint.sys** file
- Services - **Tdcaserver**
- Time sync - disable



## **Install and Configure a TPS APP Node**

### **Connect APP to LCN**

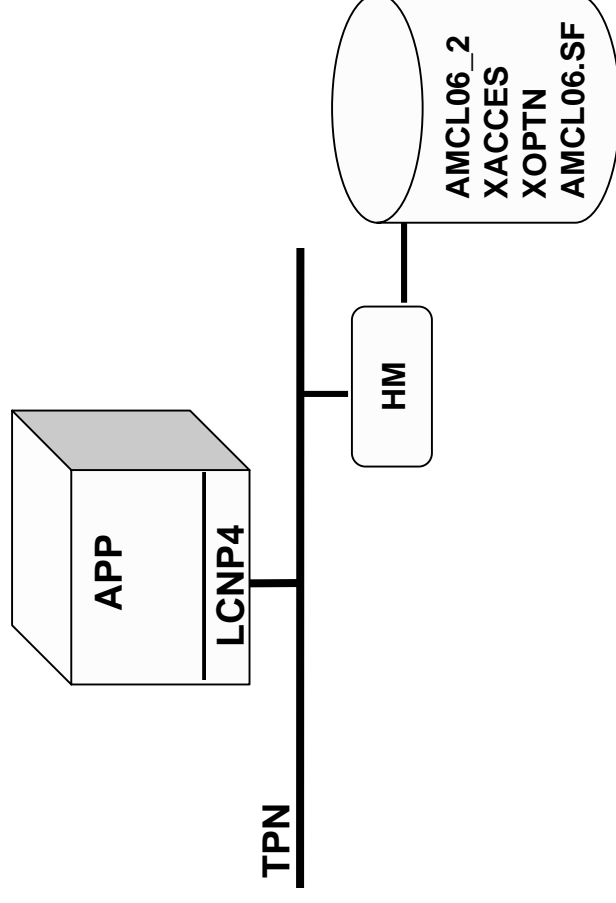


## Install and Configure a TPS APP Node

### Load TDC System Files

Copy these files to the History Module:

- AMCL06\_2.LO
- XACCES.LO
- XOPTN.LO
- AMCL06.SF







## Install and Configure a TPS APP Node

### Add APP to NCF

NativeWindow - gus10  
File View Alarms Displays Control History Engineering Access Help

13 Sep 98 14:24:45  
PAGE 1 OF 3 ON-LINE

APPLICATION MODULE NODE

NODE 9

REDUNDANT MEMBER NODE ID 0

STARTUP MODE COLD WARM HOT NOPROC

ASSIGNED UNITS

P9

MODIFY NODE

DELETE NODE

F1=CHECK F3=SET OFFLINE F5=ABORT F11=TAB  
F2=INSTALL F4=PRINT

Ready

ACK SIL A C M S RTU ENG DVR LED:24

NativeWindow - gus10  
File View Alarms Displays Control History Engineering Access Help

13 Sep 98 14:25:40  
PAGE 2 OF 3 ON-LINE

APPLICATION MODULE NODE

NODE 9 USER MEMORY ALLOCATION

FUNCTIONAL ADJUSTMENTS:

# BACKGROUND CL TASKS 10

BACKGROUND DATA ACCESSES FROM BACKGROUND CL 4

BACKGROUND TASK STACK SIZE 15000

CUB SIZE FOR FAST & SLOW POINT PROCESSORS 2000

REDUNDANCY BUFFER INCREASE (# OF 32KW BLOCKS) 0

INCLUDE INTERNETWORK POINT PROCESSOR? YES NO

CUB SIZE FOR IPP 2000

USER MEMORY RESERVED (# OF 32KW BLOCKS) 0

EXTERNAL LOAD MODULES CODE (ROUNDUP FROM NEXT PAGE) 1735680

EXTERNAL LOAD MODULES POOL1 (FROM NEXT PAGE) 978944

TOTAL MEMORY FOR FUNCTIONAL ADJUSTMENTS -----  
2963074

CURRENT DATA BASE SIZE (AMMENTOT) 58321.0

ROOM LEFT FOR DATA BASE GROWTH 10490600

TOTAL USER MEMORY AFTER SOFTWARE OPTIONS (AMMEMAOP) 13512000

F1=CHECK F3=SET OFFLINE F5=ABORT F11=TAB  
F2=INSTALL F4=PRINT

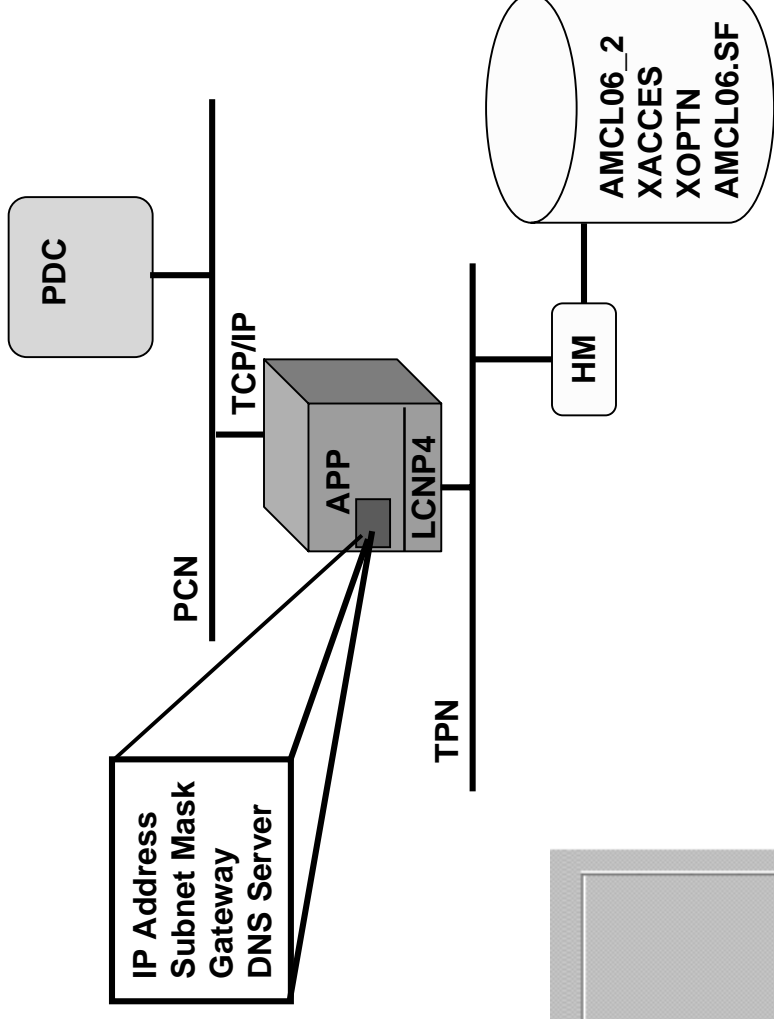
Ready

ACK SIL A C M S RTU ENG DVR LED:24

## Install and Configure a TPS APP Node

### Configure TCP/IP Address and Connect to Network

- TCP/IP Address
  - specified, not DHCP
- Subnet Mask
- Default Gateway
- DNS
- No WINS

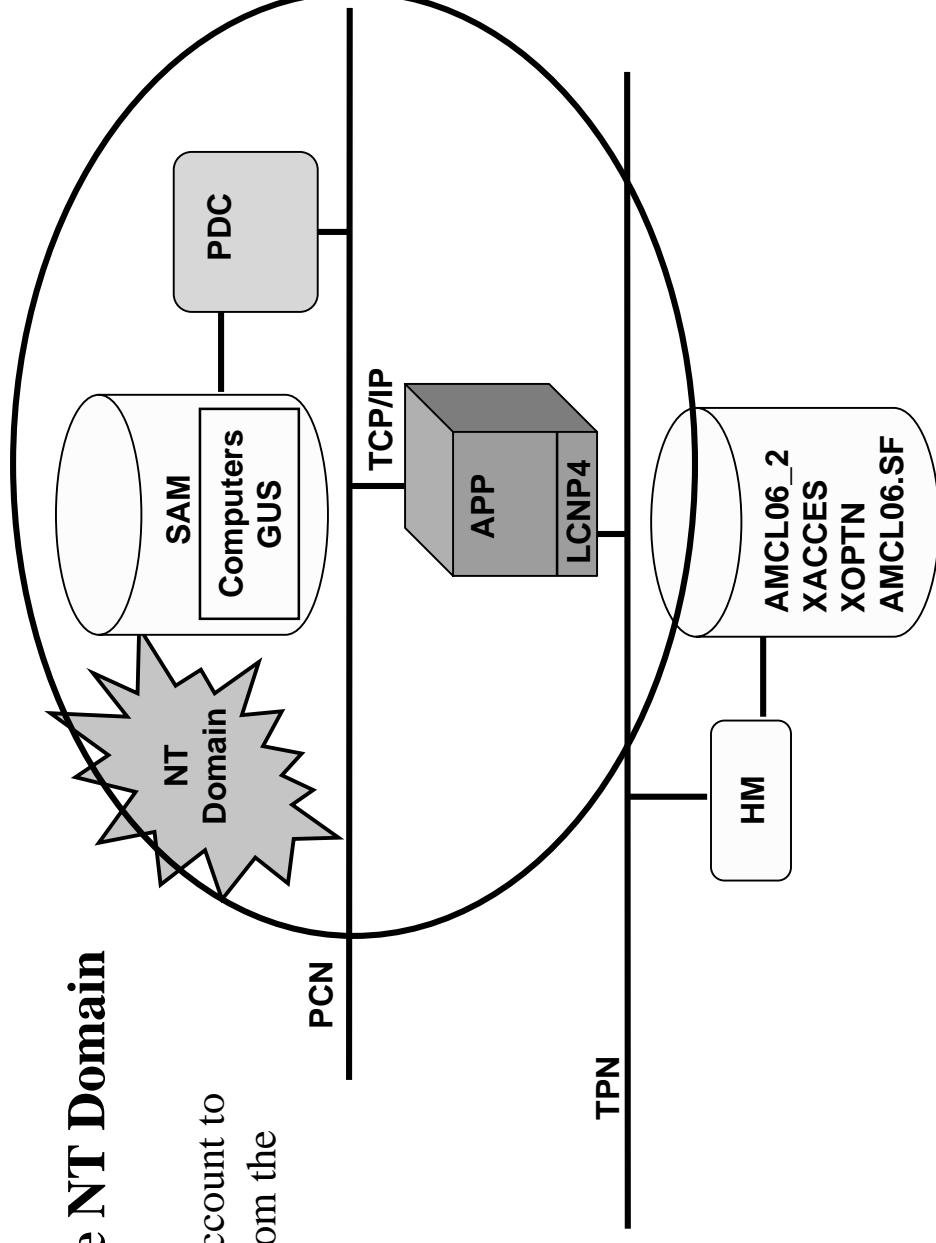


The screenshot shows a dialog box titled 'Specify an IP address'. It contains three input fields: 'IP Address' with the value '192 . 168 . 1 . 1', 'Subnet Mask' with the value '255 . 255 . 255 . 0', and 'Default Gateway' with the value ' . . . '.

## Install and Configure a TPS APP Node

### Add APP to the NT Domain

Add the computer account to SAM on the PDC from the APP node



## Install and Configure a TPS APP Node

### Setup Security

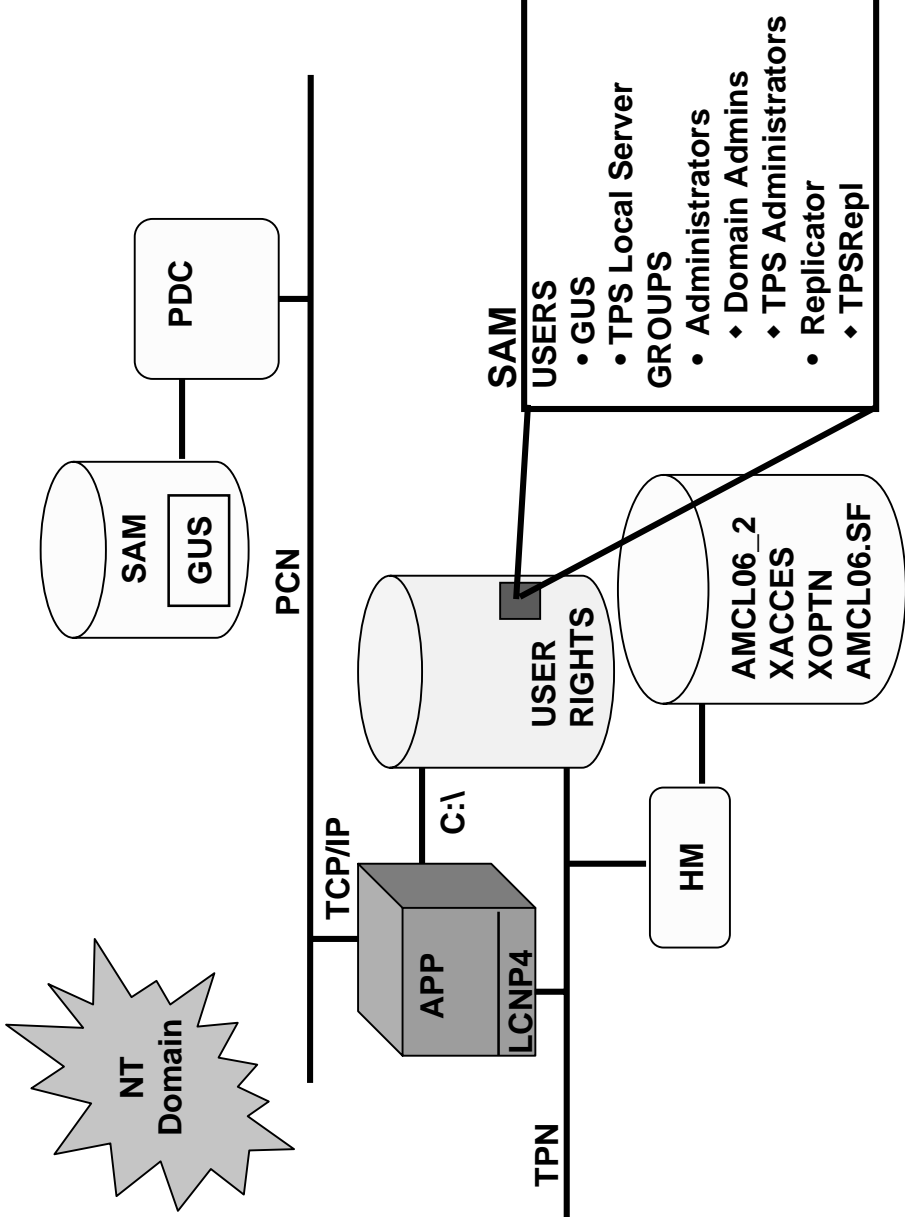
- TPS Node (not server)

Setup some security

- file permissions
- some registry entries
- user rights

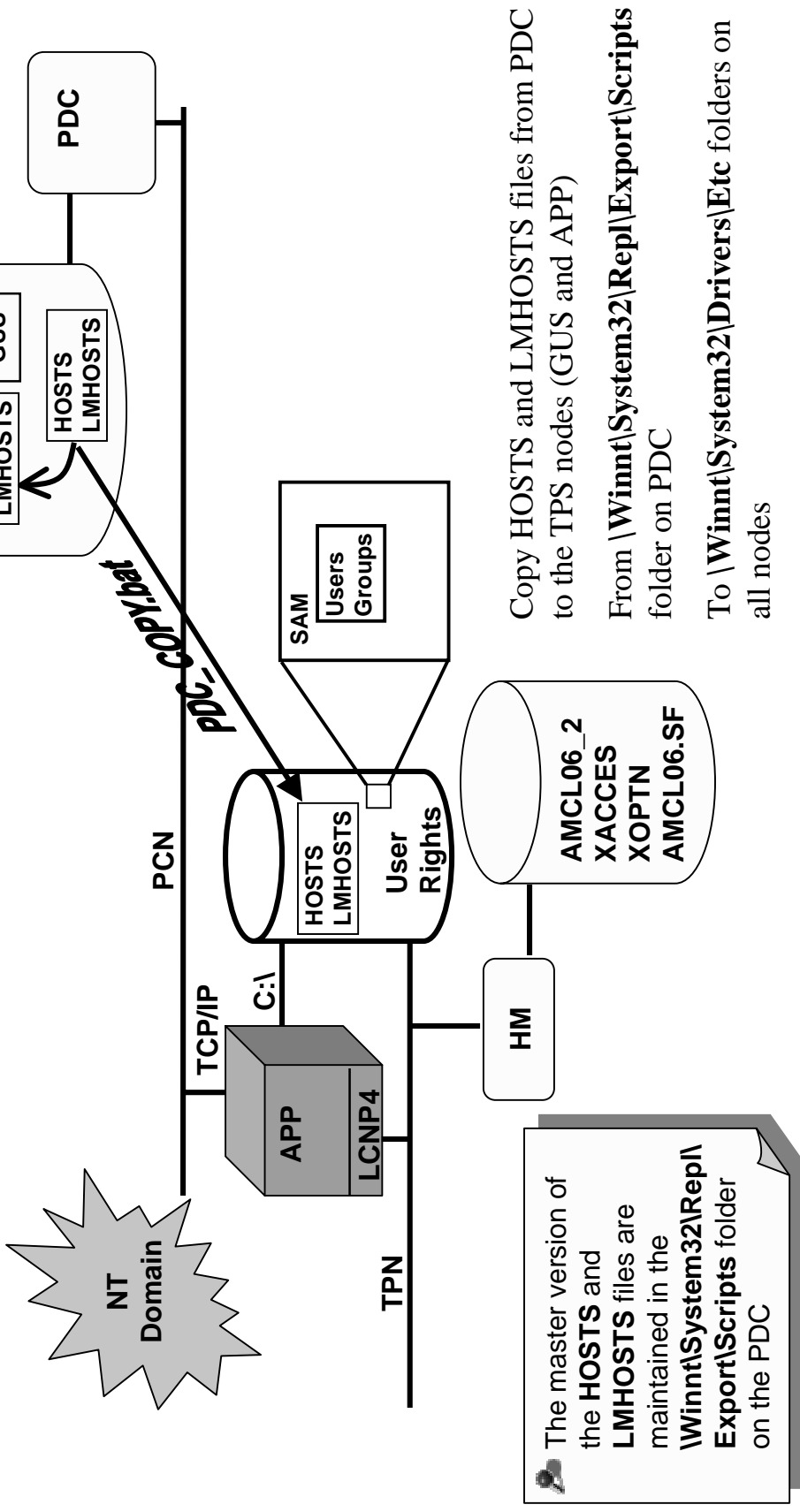
As shipped from Honeywell

- GUS and TPS Local Server users already exist
- This tool adds these users in case the system is loaded “from scratch” (example: NT, then GUS)



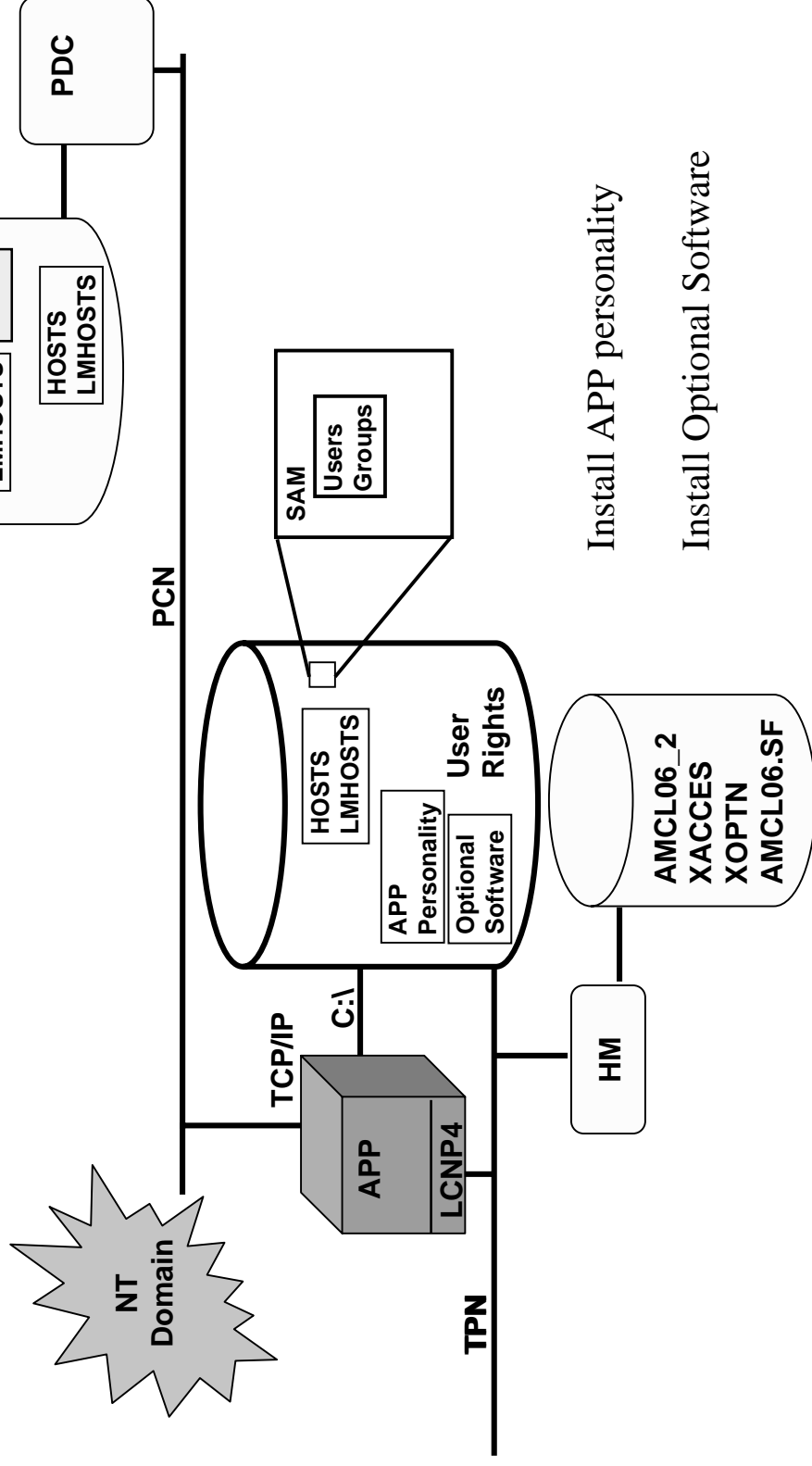
## Install and Configure a TPS APP Node

### Distribute the HOSTS and LMHOSTS Files



## Install and Configure a TPS APP Node

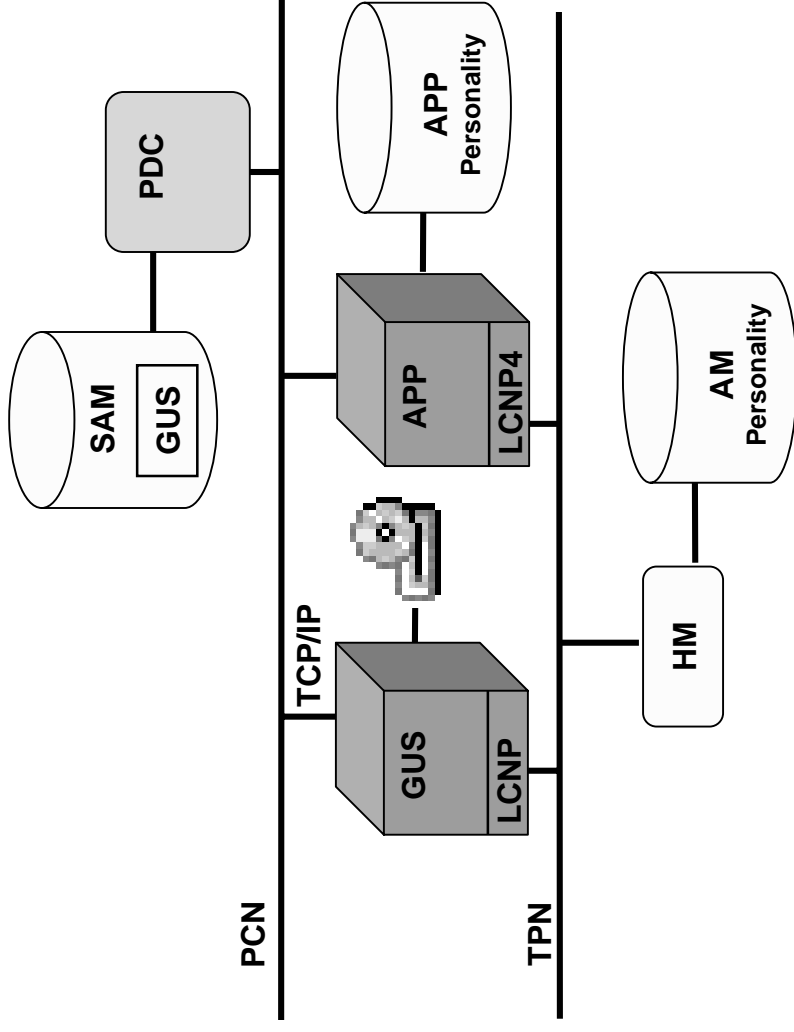
### Install APP Personality and Optional Software



## Install and Configure a TPS APP Node

### Load APP Personality

- Load AM Personality (Manual Load)
  - Personality from HM
  - Null database from emulated disk
    - GUS CD
- Checkpoint AM (null checkpoint)
- Shutdown AM
- Load the APP Personality using AUTOLOAD NET
  - Personality from Local HD
  - Database from HM



- Qualify → Autoload Net → AM personality
- PWR\_ON → Autoload Net → APP personality