

# TPS Initialization

## **Objective**

To initialize a GUS Node to the factory-shipped state.

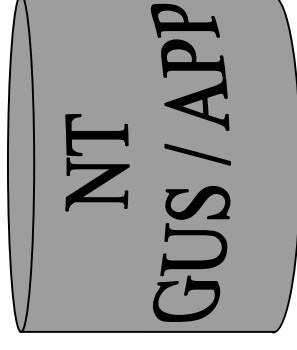
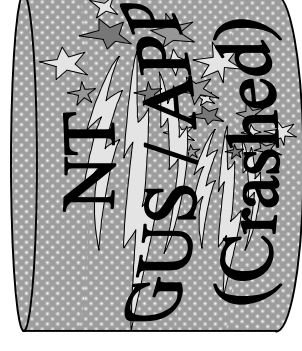
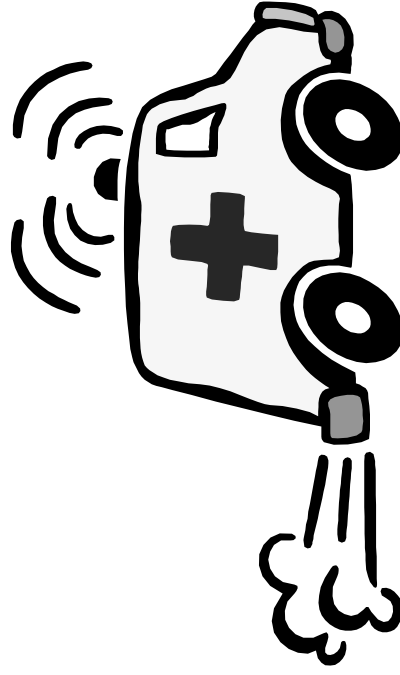
## **In This Module**

- Overview of Initialization Procedure
  - Initialize a GUS
-

## TPS Initialization

### Overview

- Install NT and GUS or APP on a non-functioning system
- Recover from crashed Hard Drive
- Recover from corrupted NT
- Upgrade GUS from pre-120 (SID)



## TPS Initialization

### BOOT

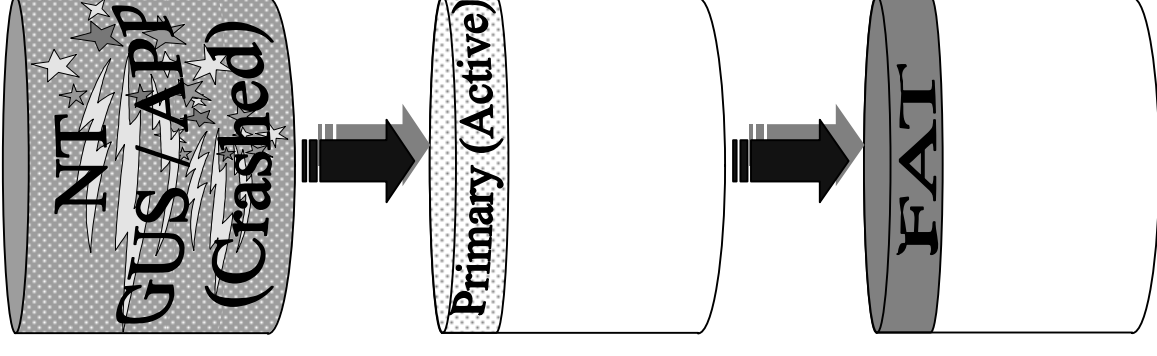
- Boot to DOS using the Boot Diskette

### FDISK

- Delete all partitions
- Create a Primary DOS partition (400 MB)
- Set the partition Active

### FORMAT

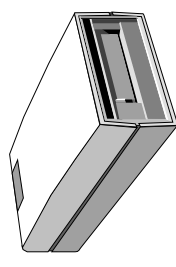
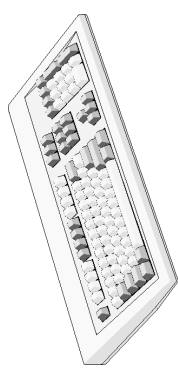
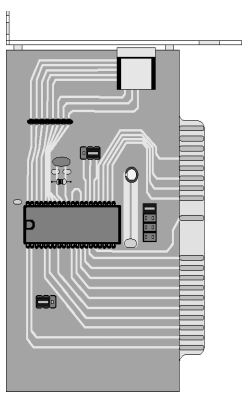
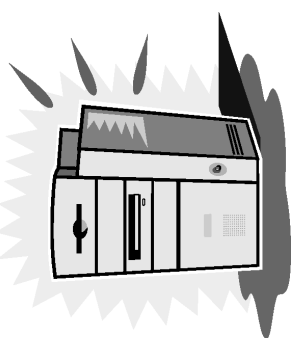
- Format the partition - FAT



## TPS Initialization

### Describe Hardware to Setup Program

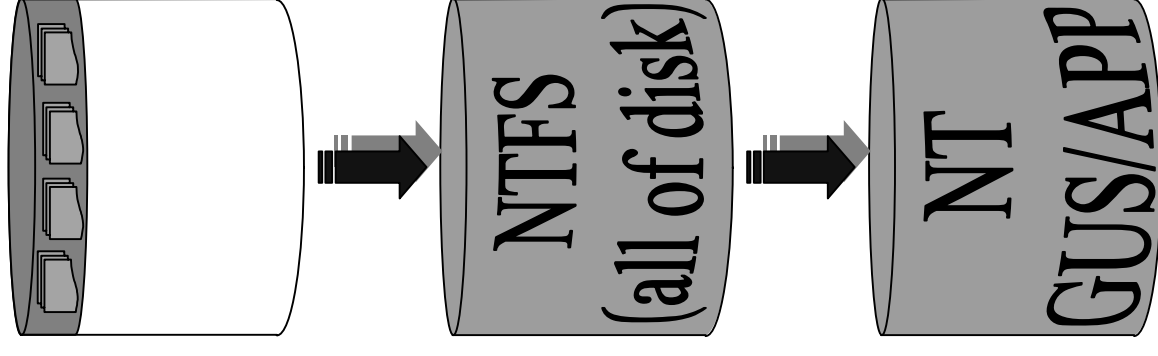
- **Platform** (GX1, GXA, GXPro, Trailblazer, Motorola Intel)
- **SCSI Adapter** (if Dell GX1 - 2940U/UW Dual, 2940U2W)
- **Network Adapter** (if GXPro - 3C590, 3C905)
- **Node Type** (US replacement, AM replacement)
- **Station Type** (if US - Z Console, Deskside)
- **Dual Screen** (if US - STB Velocity 3D, Colorgraphics Pro Lightning)
  - **Orientation** (if dual screen - One over one, Side by side)
- **Touch Screen** (if US replacement)
- **Integrated Keyboard** (if US replacement)
- **Tape Drive** (4mm DAT, MINIQIC)



## TPS Initialization

### Copy Files and start Unattended Install

- Copy files
  - Based on hardware selections
  - From Initialization CD to Hard Drive
- Unattended Installation begins:
  - FAT** partition is converted to **NTFS**  
Size changed to use entire disk
  - NT is installed
  - GUS (or APP) base is installed  
(not on PPCN PDC/BDC)

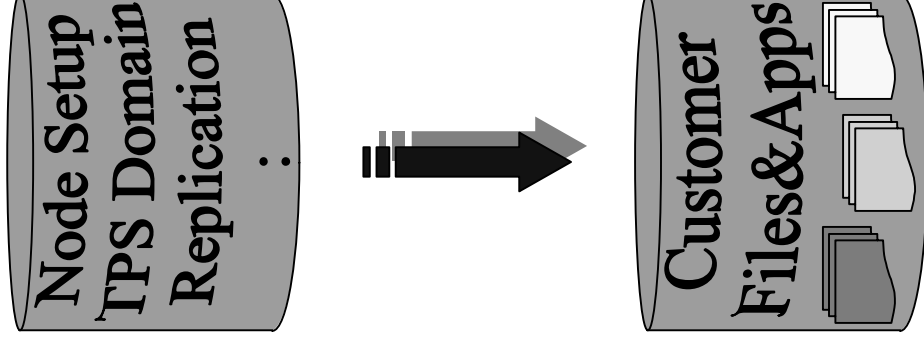


## TPS Initialization

### Restore user information

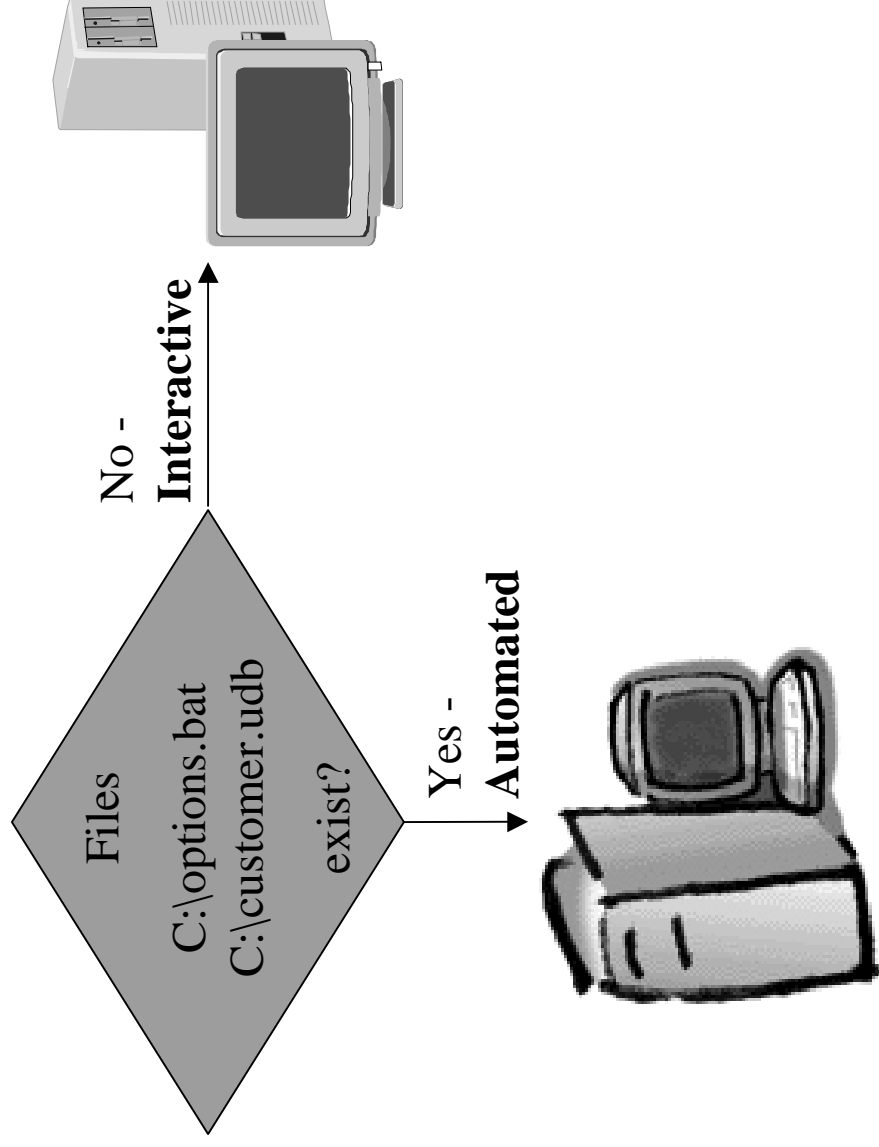
- TPS System Configuration  
As done in class

- Restore user data  
GUS displays  
Safeview workspaces  
Applications  
etc.



## TPS Initialization

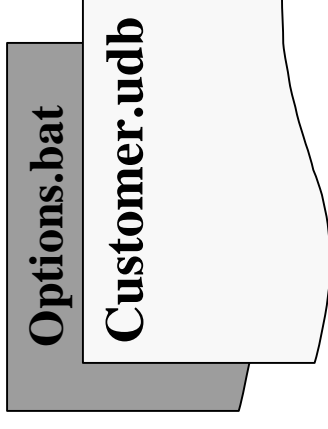
### Automated or Interactive Initialization?



## TPS Initialization

### File Creation and Location

- Created by the Honeywell factory
- Put on the root of the hard drive
- Created for:
  - GUS 210 Nodes (Workstation)
  - APP 120 Workstation Nodes
  - APP 120 Member Server Nodes
  - PPCN PDC Nodes



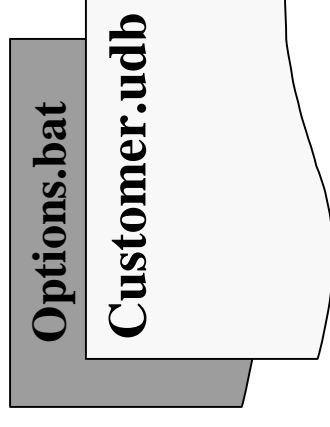
- APP BDC and PPCN BDC are not created at the factory. They are only created on-site. Therefore, the “options.bat” and “customer.udb” files will never be installed on a BDC.



## TPS Initialization

### File Contents

- **Customer.udb**
  - Customer name
  - Organization
  - Product ID for installation of NT
- **Options.bat**
  - Machine type (GX1, GXPro, Trailblazer, etc.)
  - OS type - workstation, server
  - TPS Software release
  - GUS or APP
  - dual screen
  - touchscreen
  - IKB
  - etc



## TPS Initialization

### Required Media



#### Initialization CD

Contains all files necessary to install NT and GUS or APP  
Honeywell generated



#### Boot Diskette

Boots the system to DOS  
MAY contain Options.bat and Customer.udb  
for automated installation  
User generated

## TPS Initialization

### BOOT Diskette

- Used to boot the machine for initialization
- Create the boot diskette BEFORE you need to use it
- Two types:
  - Interactive    - WITHOUT options.bat & customer.udb
  - Automated    - WITH options.bat & customer.udb



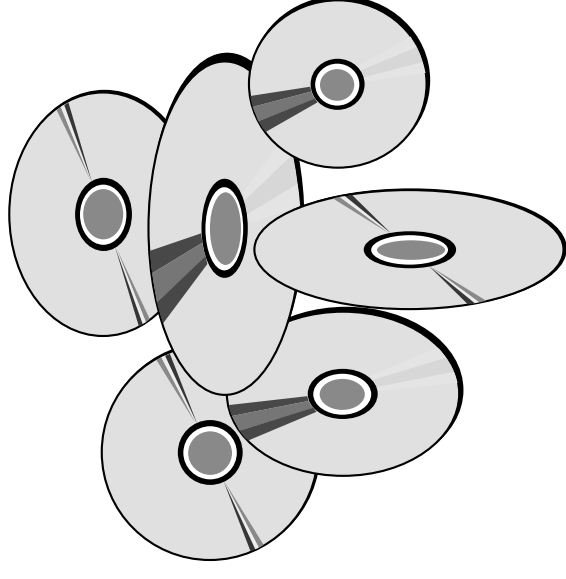
## TPS Initialization

### Initialization CDs / Nodes

#### TPS Initialization APP120 / GUS210

GUS210 - NT Workstation

APP120 - NT Workstation



#### APP Server Initialization R120

APP120 - NT Server (standalone - member server)

APP120 - NT Server (BDC) **FOR APP IN PPCN ONLY!**

#### PPCN Server Initialization R100

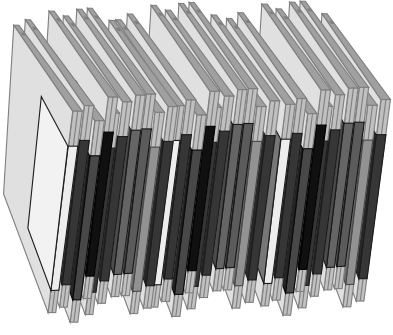
PPCN - NT Server (BDC) - No APP or GUS software

PPCN - NT Server (PDC) - No APP or GUS software

## TPS Initialization

### BEFORE you have a problem - BACKUP DATA

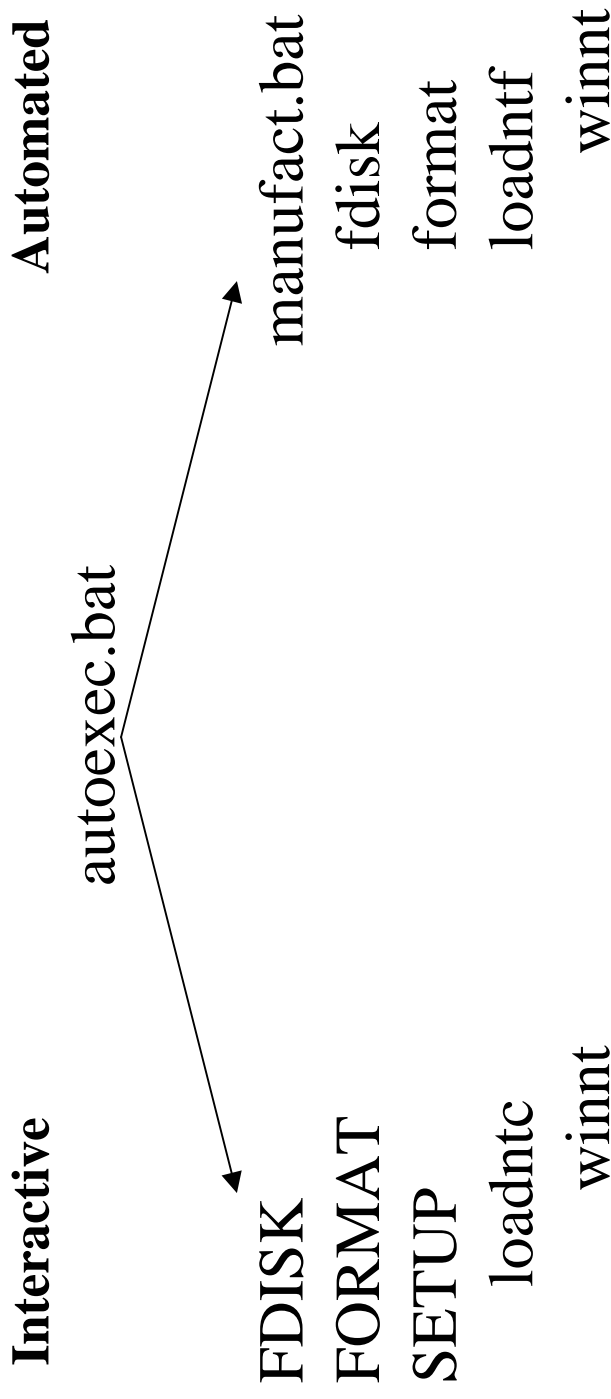
- Create a boot diskette
  - Backup user data
- Examples:
- Emulated disks
  - 3rd party application data
- Write down node specific configuration data
- Form in lab and in documentation
- Examples:
- PC Model
  - TPS Domain name
  - LCN address
  - Computer name
  - IP address
  - Dual screen card (if present)



General Info	Example	Value
PC Model:	Dell GX1, GX1	
(Get this from screen at boot)	Honeywell Trailblazer	
Operating System Type:	Workstation, Server	
TPS Node Info	Example	Value
Node Type:	APP, GUS	
Station Type:	Desktop, Z-Console	
TPS Domain Name:	TPS Domain	
LCN Address:	14	
LCN Name:	GUS14	
NG Name:	None	
Ethernet Identification	Example	Value
Computer Name:	TPSPDC	
NT Domain Name:	TPSNTDomain	
IP Address:	192.168.1.1	
Subnet Mask:	255.255.255.0	
Default Gateway:	None	
DNS (if used) Domain Suffix	None	
Search Order:	None	
Node Options Info	Example	Value
Dual Screen:	Yes, No	
Dual Screen Orientation:	N/A, Side-by-Side	
Dual Screen Card:	N/A, Colorgraphics	
SCSI Adapter (only if GX1)	2940UJW Dual, 2940U2W	
Network Adapter (only if GXPro)	3C590, 3C905	
IKB:	Yes, No	
Touch Screen:	Yes, No	
Tape Drive:	None, 4mm, MINIQIC	

## TPS Initialization

### The Players - extra credit



**CAPS - manually initiated**  
**small - automatically initiated**