Solutions

Advantage Connectivity Server

Host Off Loading of TCP/IP, LCW (IPX/SPX), HLCN (Net Bios)

(for Unisys/Burroughs architectures)

The Advantage Connectivity System is Front End Processor software that off-loads ALL stacks (work) to a WINTEL functional processor(s). The Advantage Connectivity System offers TCP/IP, LCW (IPX/SPX) and HLCN (Net Bios) connectivity. It is a solution for users who need LCW (IPX/SPX), HLCN (Net Bios) to move up to current Unisys (Unisys/Burroughs architectures) hardware and operating systems.

The Advantage Connectivity System is time tested with the initial release in 1993 (WindowsNT based) being the successor of the DOS based Connect1 and UniGate. Since then the Advantage Connectivity System has been implemented on Windows2000 and 2003 Server. This fulfills the software design objective of modularity and independence of the Windows operating system.

*The initial Legacy connectivity has been moved from ISA serial ports to the embedded LINUX (Compact Flash for storage) ATS (**A**dvantage **T**erminal **S**erver)*

Network Protocols supported

- telnet (TCP/IP)
- IPX/SPX (LCW)
- HLCN (NetBIOS)
- 2,250 stations per node (multiple nodes can be local or remote) of any combination of the above protocols

Security

- Advantage level
  1. Requires that all stations be defined, not defined no entry
  2. Passwords are required to sign-on
- Station level
  1. Passwords is optional
  2. Password aging is optional
  3. Re-use of passwords is optional

Hosts connections

- SCSI or
- Hosts socket/port interface (using TCP/IP ICP)

Hardware platform and operating systems (user supplied)

- Windows Server 2003
- Intel based desktop or rack mount PC

Remote Manager

- Runs on an Microsoft Windows 98/Me/NT/2000/2003 PC
- Console capability
- Security needed to sign on
- Remote Manager uses LAN or WAN to set up the ATS
- Resident PC need not be local
- GUI based with drop-down menus

Modular Software components

- **COP** - Routes messages to and from other modules. All the following programs communicate with COP via Named Pipes.
- **HIP/HIP2** -Host Interface Program Interfaces with or IP Socket.
- **LANTERM** -LAN-Terminal Interface handles interface with LAN - telnet (TCP/IP), IPX/SPX (LCW) or NetBIOS (HLCN).
- **NODE** - Handles communications between COPs on different **local** or **remote** Nodes .
- **HOST.SYS/HOST2.SYS** - Is the device driver linked into WindowsNT/2000 that does actual hardware interface to the or TCP/IP ICP.
- **SYSMAN**- System Manager is the GUI Interface for network administrator's PC to make changes to his network.
- **ADV PRT**-Advantage Print makes LAN printers look like stations to the module allows Advantage
- **USER1**-Available Named Pipe for PNC write customer interface
- **USER2**-Available Named Pipe for PNC write customer interface
- **RESMGR**-Resource Manager allows authorized terminal (T27/ET100) to dynamically change and control Advantage environment.
- **RPC-Server**- Remote Procedure Call Server is the module that maintains the network files and passes them real-time updates. SYSMAN & RESMGR send updates to the RPC -SERVER (via a RPC call) for validation.
- **telserv**–TCP/IP, T27 telnet, IBM 3270 telnet & IBM 5250 telnet

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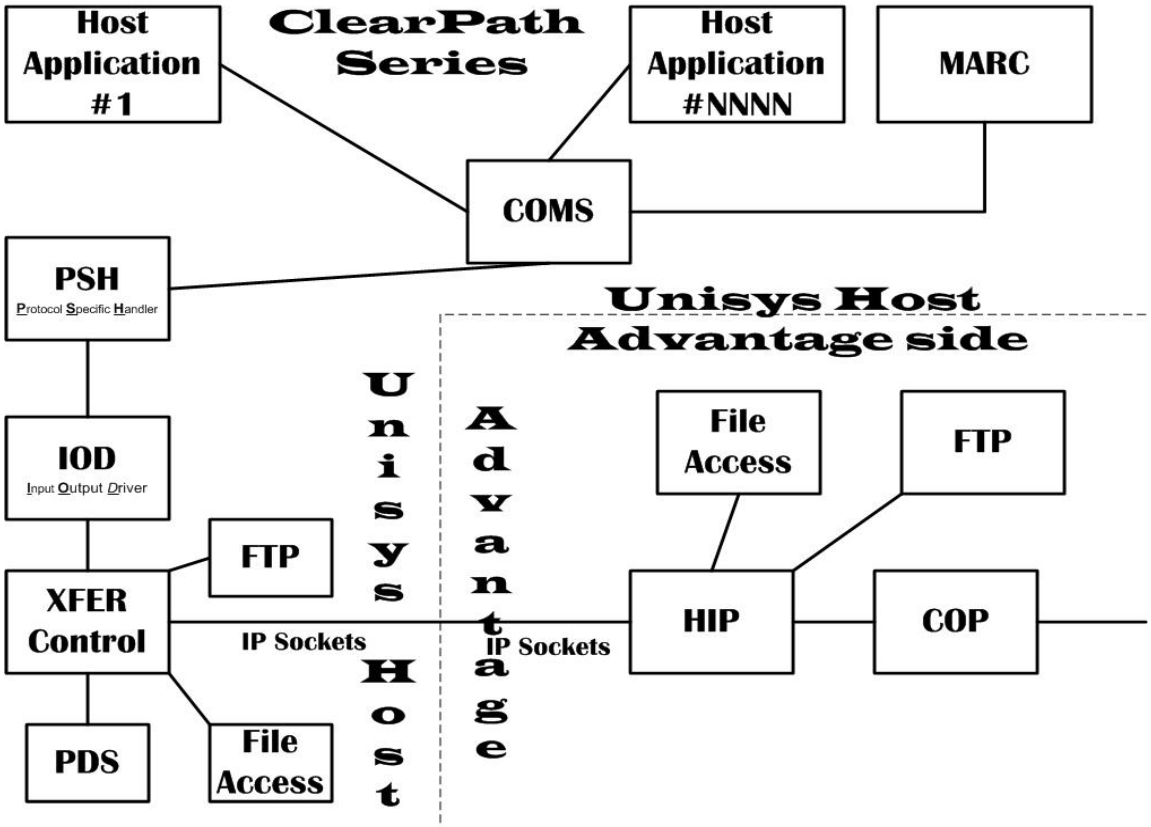
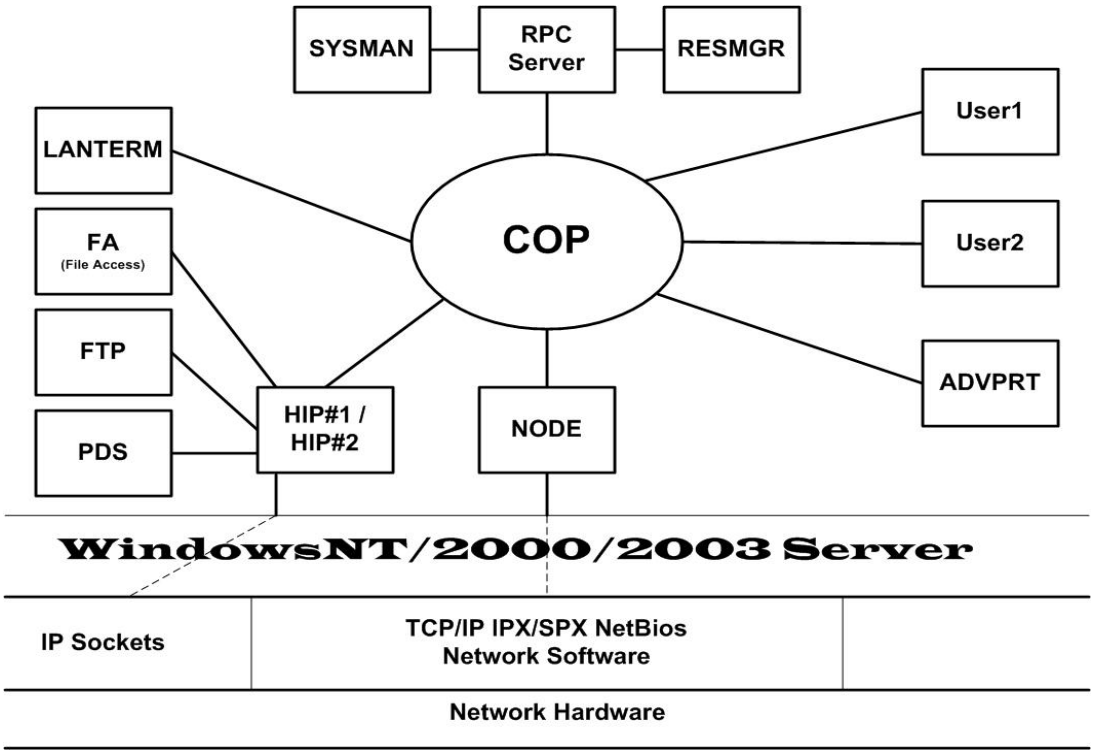
- **PDS (Print Distribution System** – An IPS (Unisys' Item Processing System) interface that allows print from IPS be sent over the LAN/WAN.





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