

Network Hardware Division

MSS Ver. 2.0 (vs. 1.1)

MSS CLIENT, MSS DOMAIN CLIENT

MSS Workstation Client

HRE, NHRP CLIENT

Keeping the PROMISE of Switched

Virtual

Networking

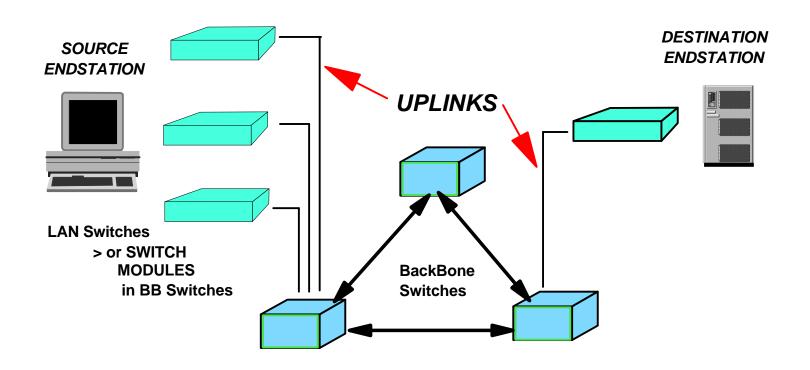
MOVING ROUTING out of the CORE
...and OUT to the EDGE

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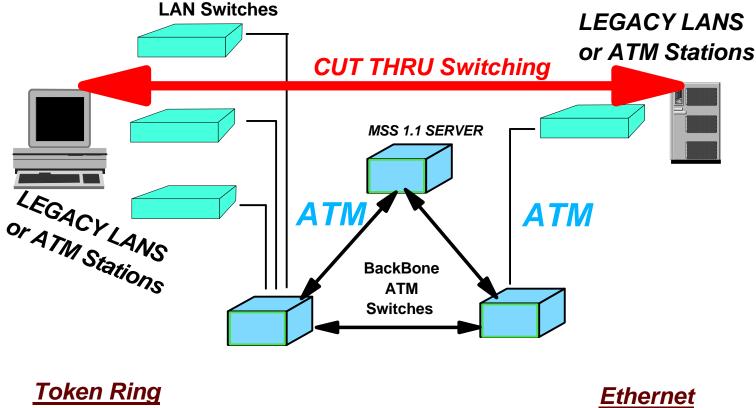
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MSS Ver. 2.0 (vs. 1.1) MSS CLIENT , MSS DOMAIN CLIENT MSS Workstation Client HRE , NHRP CLIENT



TOPOLOGY SCHEME

MSS Ver. 1.1





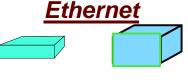


8270-800 or 8272 8210/60/65 MSS 1.1

CUT THRU Switching

D/TOP = LAN or ATM
BB = ATM

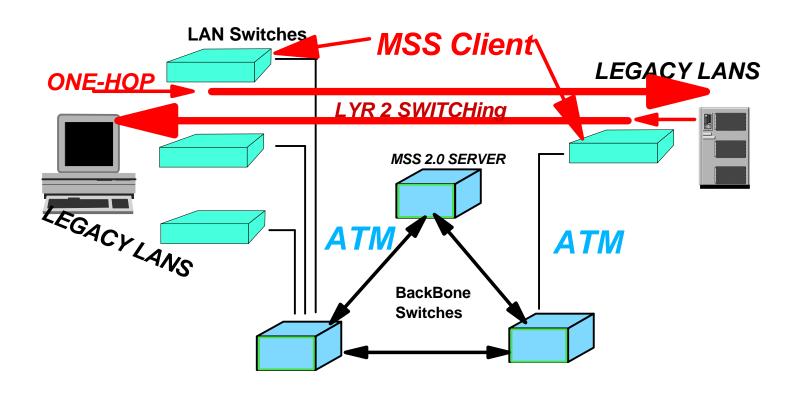
- ★ SVN / MSS (1.1)
- **LANEmulation**,
- * Classical IP
- ★ S/ELANs,
- * Layer 2 Switching,
- ★ BROADCAST MGT



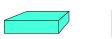
8271/73 8210/60/65 MSS 1.1

- Endstations = members of ELAN or S/ELAN or LIS (CIP)

MSS Ver. 2.0 (vs. 1.1) and MSS CLIENT









MSS Client in 8270-800 or 8260 w/ 3 slot

(=2slot UFC, + ATM upl)

8272 Blade

8210/60/65 MSS 2.0

> <u>switched</u> D/TOP = LAN

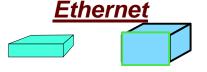
BB = ATM

over CELL

🜟 IP/IPX/Atalk/BV LYR 3 fwding

CUT THRU Routing

- ★ integ'd in H/W on LAN Sw
- ★ 1 HOP NHRP "Cut Thru Routing"



8274

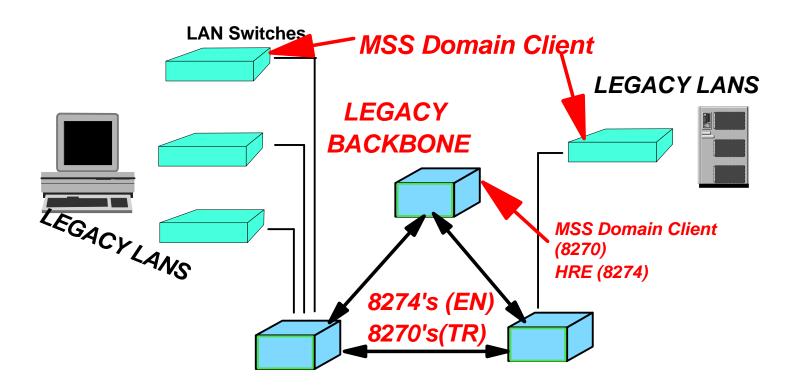
MSS Client

(just = NHRP

Client , now.
ie. IP only)

8210/60/65 MSS 2.0

MSS DOMAIN CLIENT and HRE





<u>Ethernet</u>

MSS Domain Client
in
8270-800 or
8272-216 or
8260
w/ 8272
Switch
Modules
(=1slot UFC,
no ATM upl)

8270 MSS DOMAIN Client

PKT by PKT Layer 3
over FRAME switched

D/TOP = LAN
BB = LAN

★ very fast <u>H</u>/W <u>R</u>tg <u>E</u>ngine ★ integrated on switch 8271

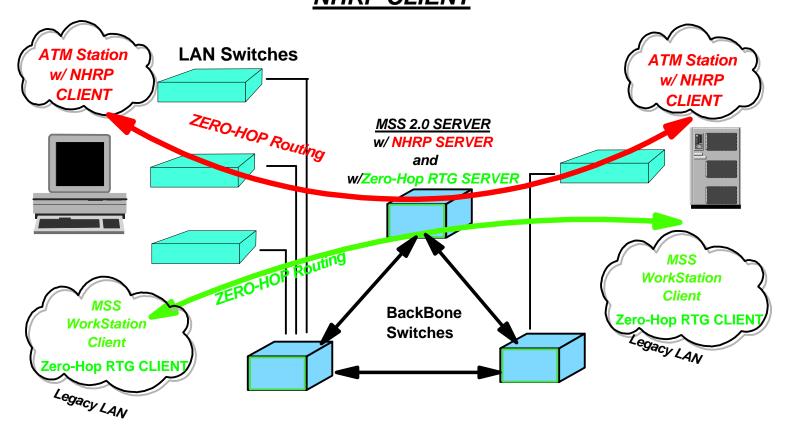
8274 HRE

or

MSS Domain Client in 8260

w/8271 Switch Module

MSS Ver. 2.0 MSS Workstation CLIENT and NHRP CLIENT



CLIENT CODE

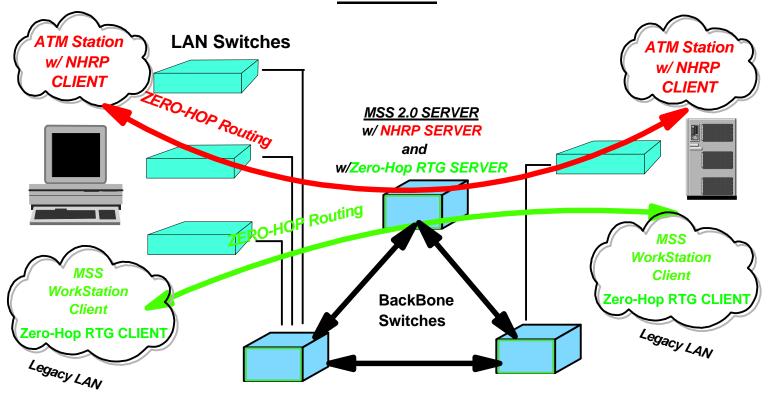
= "shim code" between Protocol Stack and Network Device DriverDOS, Windows, Windows for WorkgroupsWindows 95, Windows NT, Novell Intranetware

MSS Ver. 2.0 (vs. 1.1)

MSS CLIENT, MSS DOMAIN CLIENT

MSS Workstation CLIENT

HRE, NHRP CLIENT **SUMMARY**



Token Ring



8270-800 or

8272



8210/60/65

MSS 2.0

1. CUT THRU Switching

D/TOP = LAN or ATM

BB = ATM

* SVN / MSS (1.1) LANEmulation, S/VLANs ★ Layer 2 Switching, Broadcast Mgt

Ethernet



8271

MSS Client

(iust = NHRP

Client, now.



8274

8271

8210/60/65 **MSS 1.1**

8210/60/65

8274

HRE

MSS 2.0

MSS Client in 8270-800 or 8260 w/3 slot **8272 Blade**

(=2 slot UFC, incl. ATM upl) 2. CUT THRU ROUTING

over CELL switched

D/TOP = LANBB = ATM

ie. IP only) ★ IP/IPX/Atalk/BV LYR 3 fwding integ'd in H/W on LAN Sw

3. PKT by PKT Layer 3

★ 1 HOP NHRP "Cut Thru Routing"

over FRAME switched

D/TOP = LAN= LAN MSS Domain Client in

w/8271

Switch 🜟 very fast <u>H</u>/W <u>R</u>tg <u>E</u>ngine integrated on switch ^{Module}

MSS Domain Client in 8270 8270-800 **MSS** 8272-216 or **DOMAIN** 8260 w/ 8272 Client **Switch Modules** (=1 slot UFC, 9 no ATM upl)