

Klamath-Trinity Joint Unified School District

TECHNOLOGY TOPOLOGY

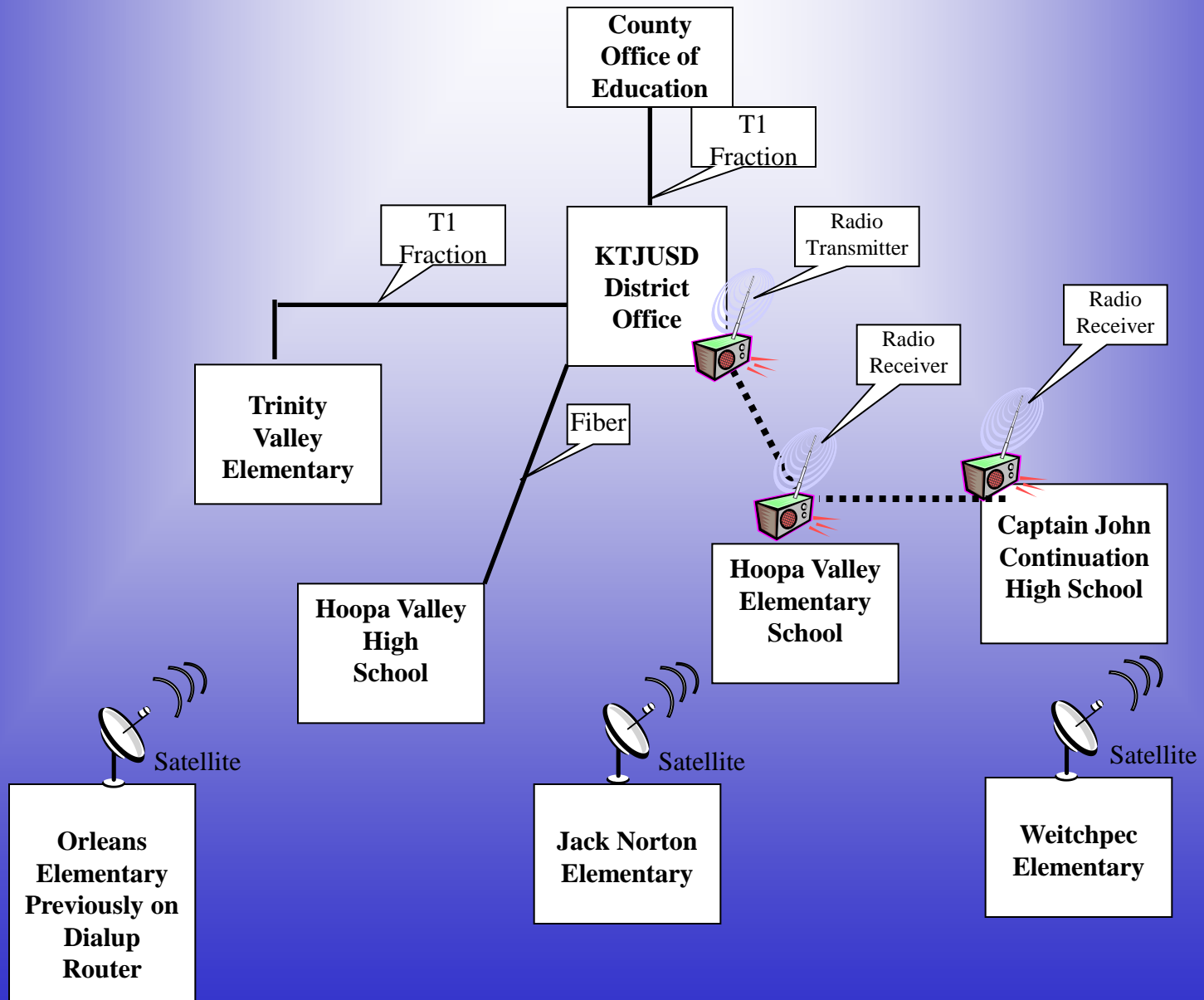
Where We Were

Where We Are

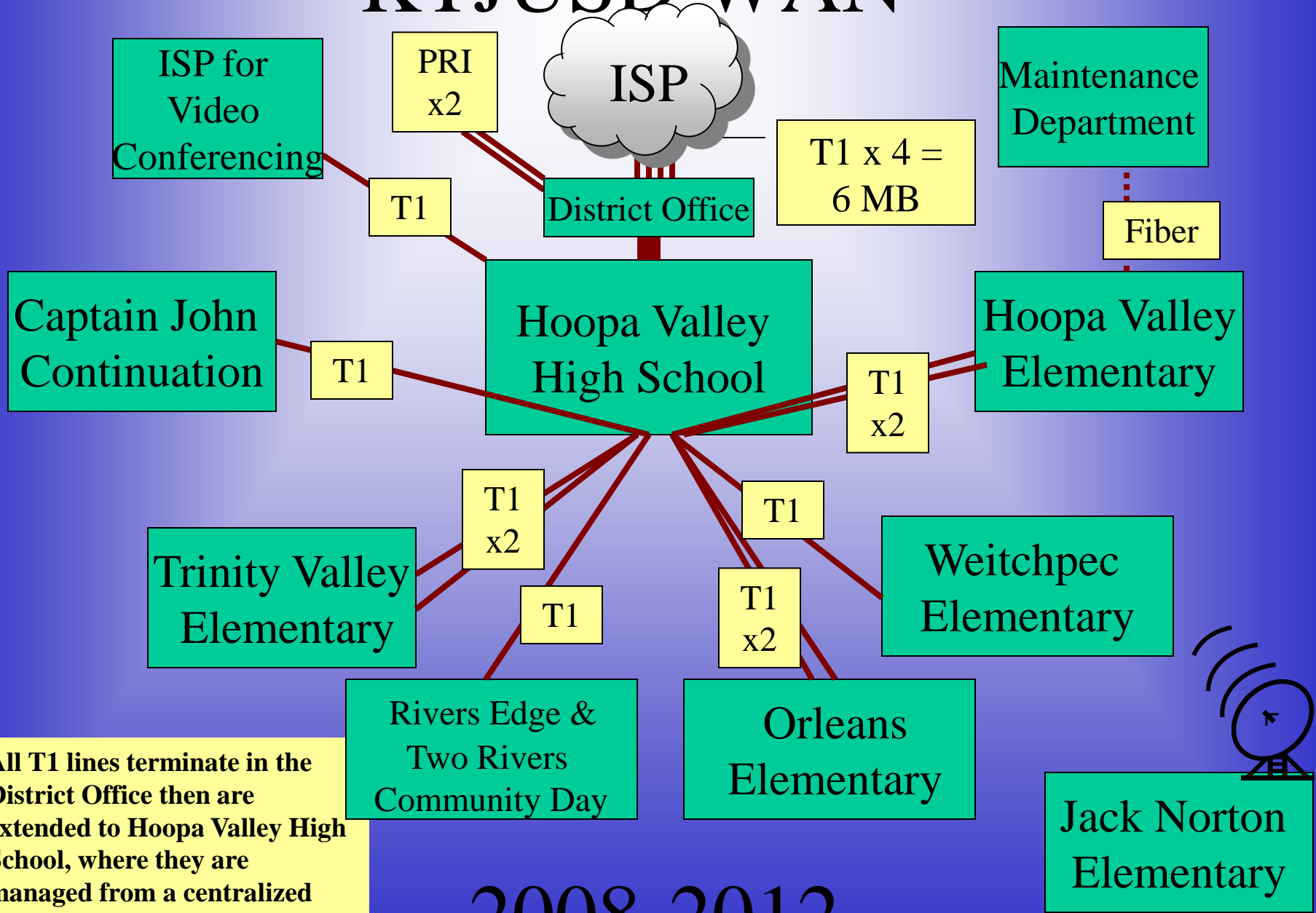
and

Where We Are Going

Year 2002/2005 Existing Network



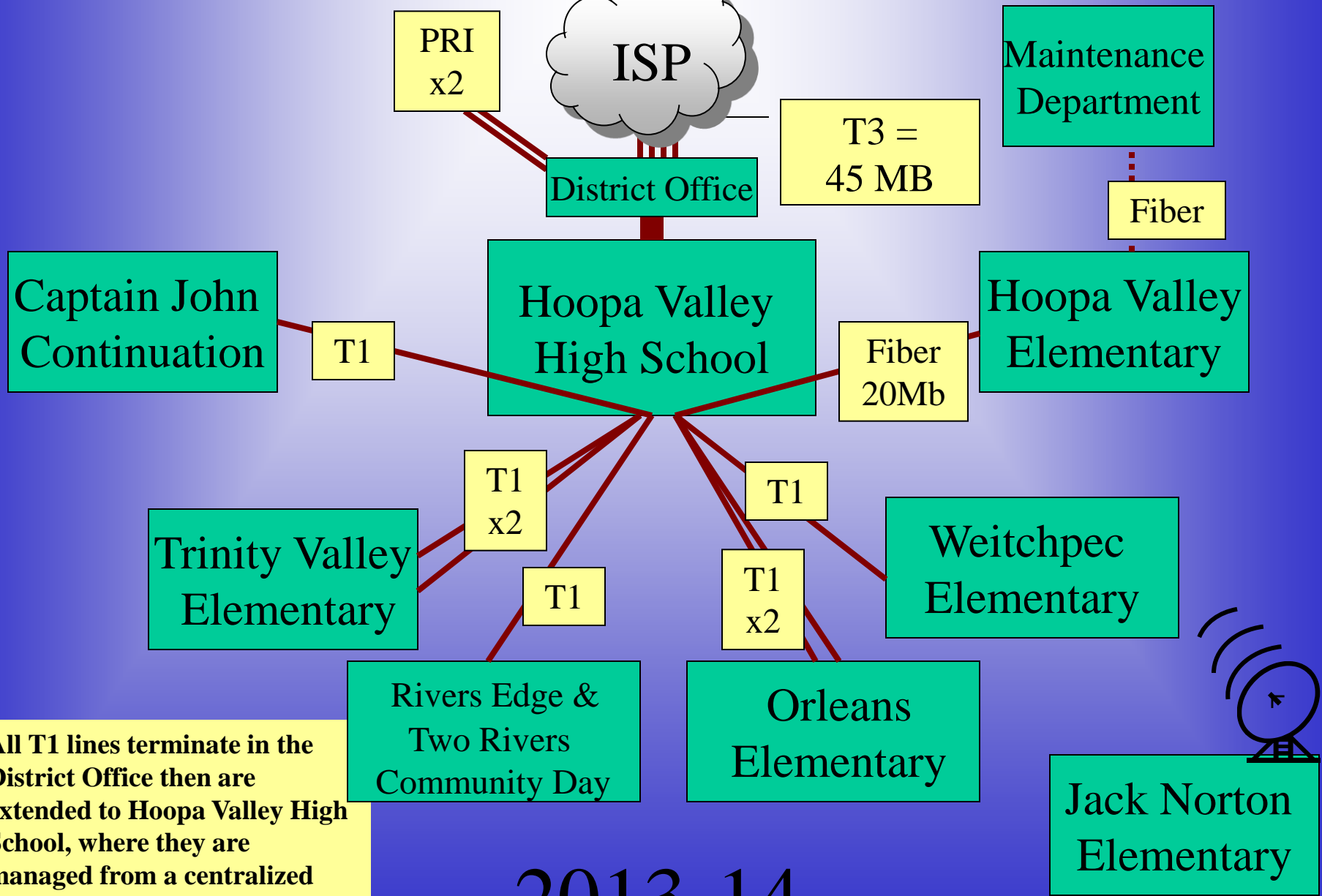
KTJUSD WAN



All T1 lines terminate in the District Office then are extended to Hoopa Valley High School, where they are managed from a centralized and secured location.

2008-2012

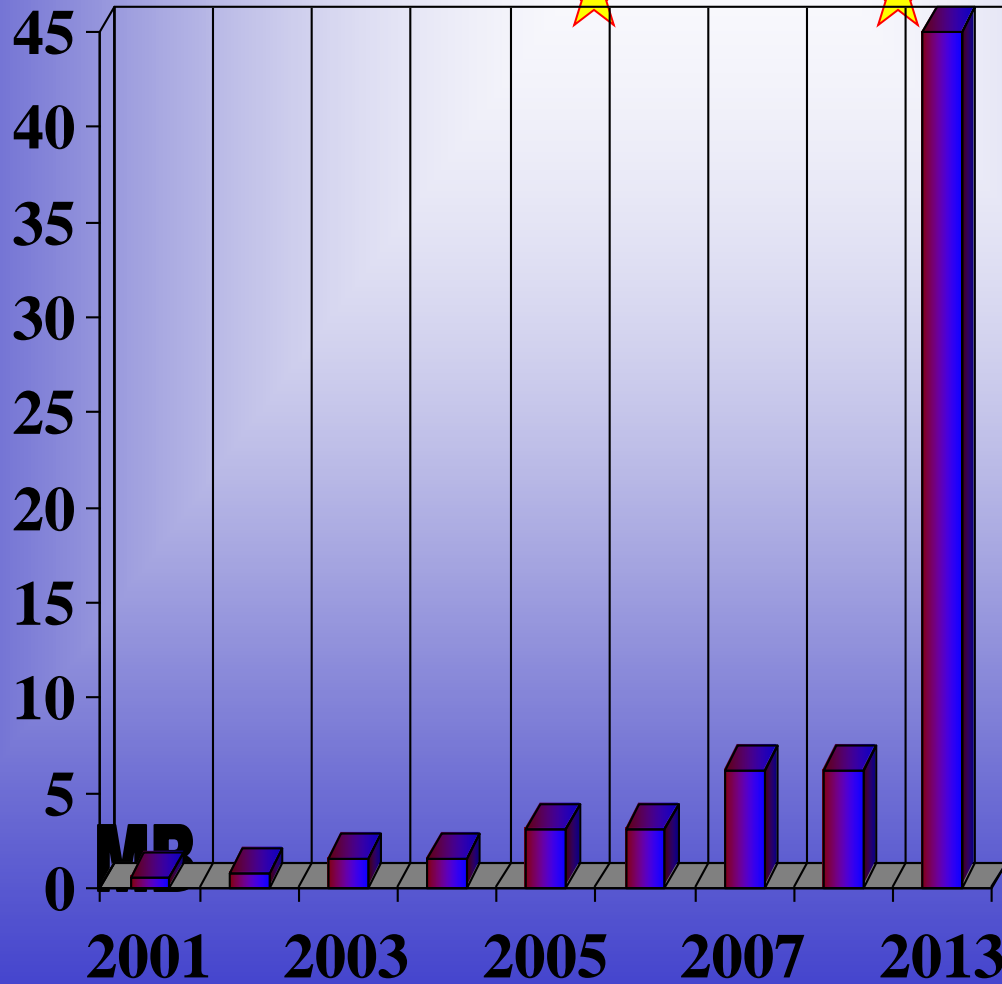
KTJUSD WAN



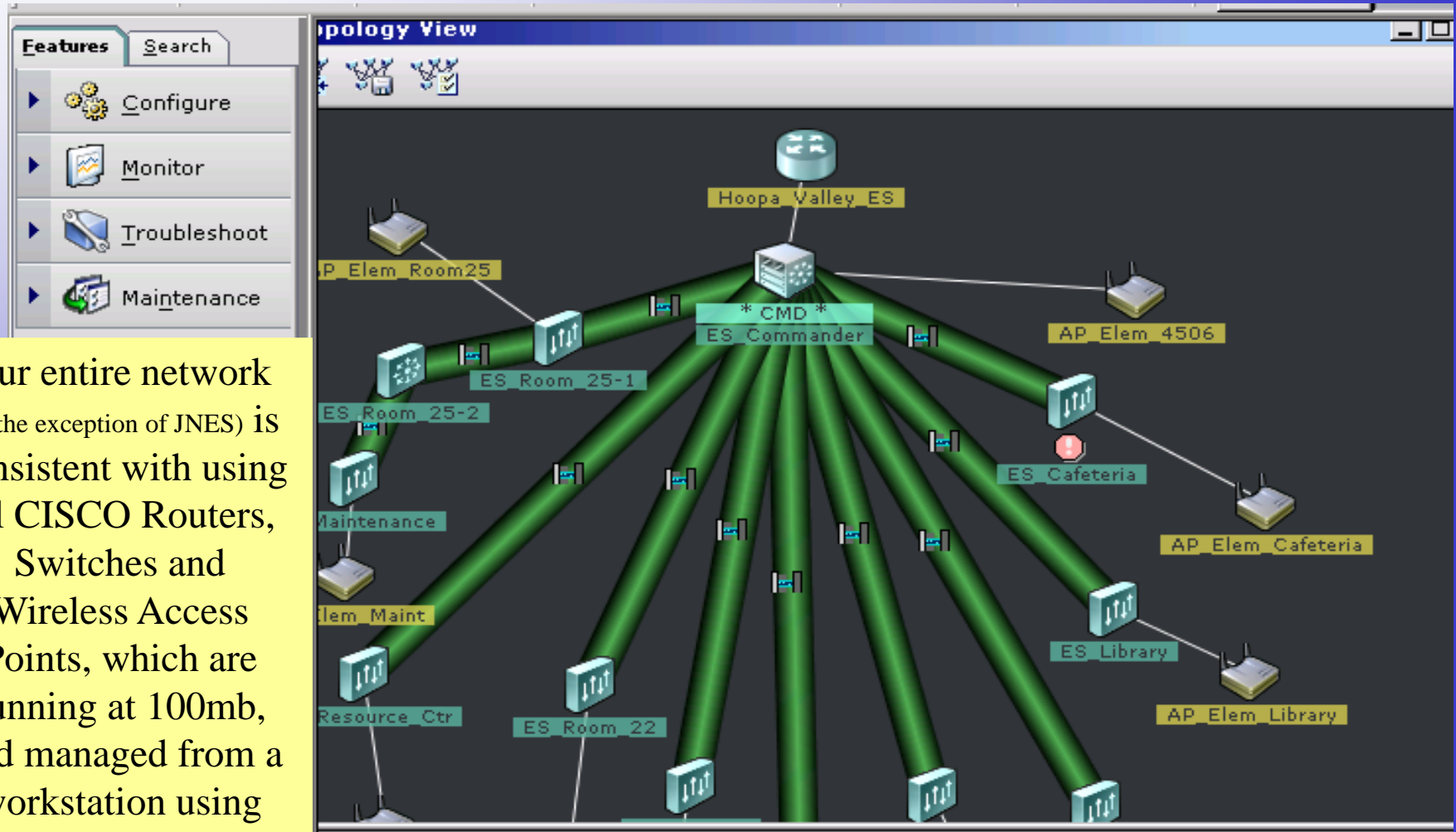
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2013-14

INTERNET



CISCO CLUSTER MANAGEMENT W/GUI (GUIDED USER INTERFACE) ENTIRE NETWORK

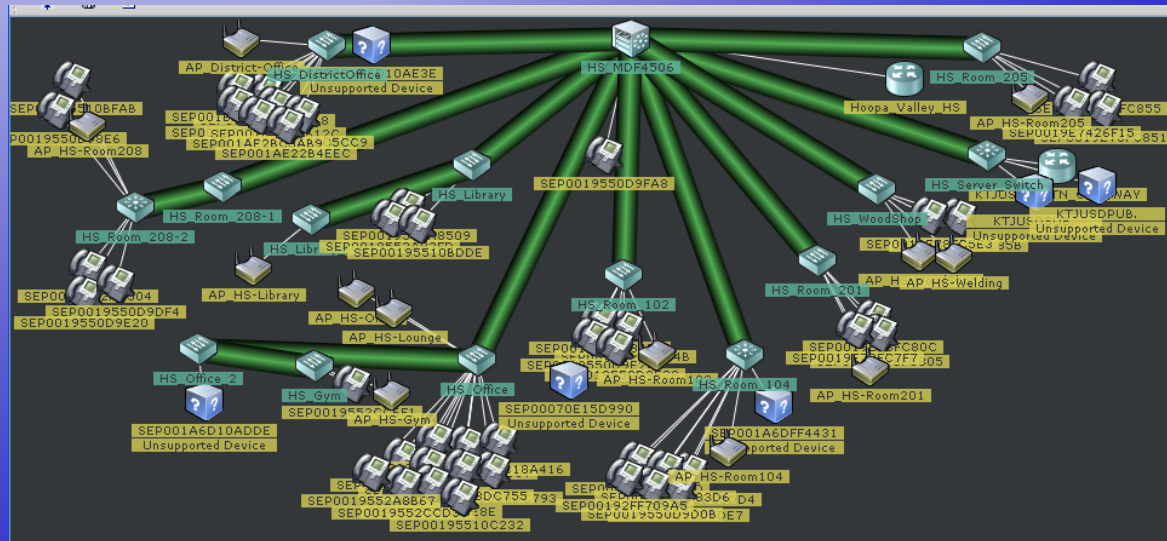
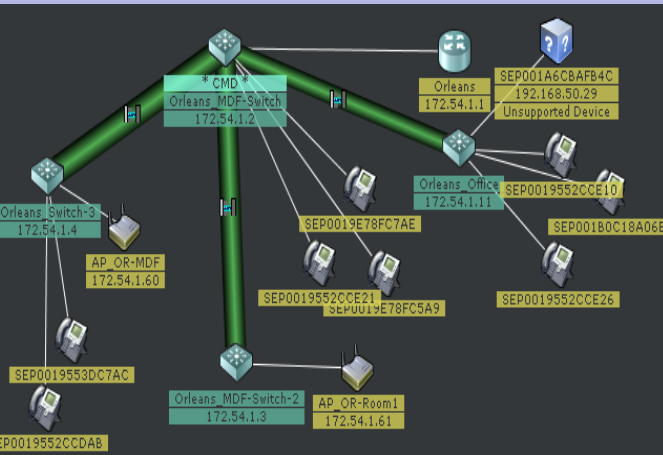
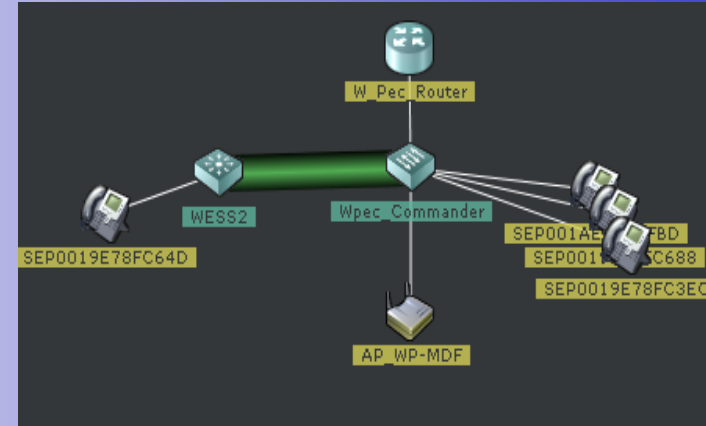
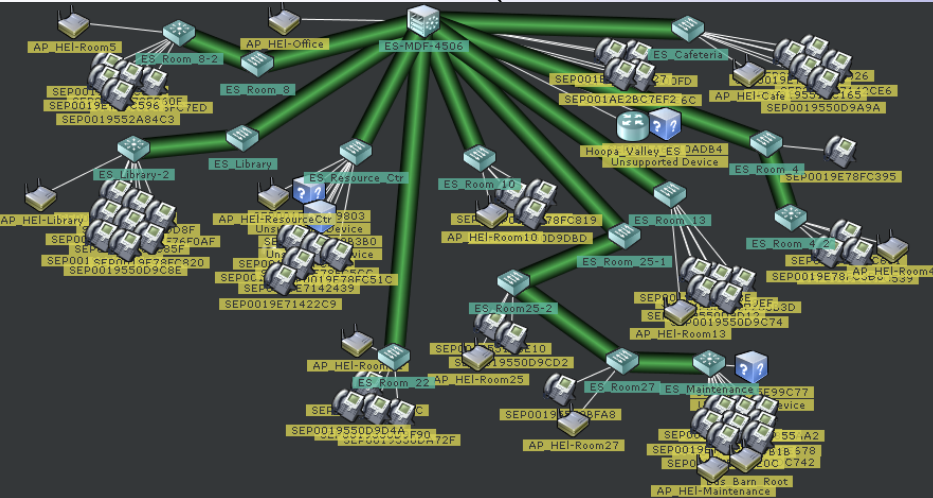


Our entire network (w/the exception of JNES) is consistent with using all CISCO Routers, Switches and Wireless Access Points, which are running at 100mb, and managed from a workstation using Cluster management.

CISCO CLUSTER MANAGEMENT

2007/08-Current

W/GUI (GUIDED USER INTERFACE) ENTIRE NETWORK



Our entire network (w/the exception of JNES) is still consistent with using all CISCO Routers, Switches, Wireless Access Points, and VoIP.

District Wide

- # Domain W/Active Directory
- # VoIP (Voice over IP Telephony)
- # DHCP/DNS Service
- # E-Mail Microsoft Exchange site hosted
- # Spam Filtering w/Lightspeeds Systems
- # Content Filtering System w/Lightspeeds Systems
- # Server external backup system
- # Application Servers Site hosted: (SIS, System 44&Read 180, Destiny, Renaissance Accelerated Reader & Math, All the Right Type and Type to learn, Norton's Symantec Enterprise,)
- # Cisco Wireless (Implementing Cisco Wireless Controller)



STANDARDIZATION



- + Hardware & Software

 - + Grade Level – Computers and Software

 - + Network – Servers and Software

 - + E-Mail

 - + Video Streaming Capabilities

- + Printers

 - + Laser Color and Monochrome

 - + Scanners & Cameras

Where We Are Going

- ✚ VoIP IP-Telephony technologies pending upgrades and to eventually merge emergency broadcasting system to 8 school sites along with IP bell and clock speakers
- ✚ Site to Site Video Conferencing for classes (Applied for in Erate Year 16)
- ✚ Increased bandwidth to accommodate Common Core and Standardized testing
- ✚ Homeland Security: IP Video Surveillance System all sites (in progress)
- ✚ Improving Reading, and Math Programs
- ✚ District Wide Data Assessment Program (implemented)
- ✚ VoIP for Jack Norton Elementary... (Implemented)
- ✚ Email Archiving (Pending)
- ✚ Email Servers – OS and Outlook 2010 upgrade (moving to cloud)
- ✚ Server Virtualization
- ✚ Switch & Wireless Upgrades District-wide (Implementing)