

Technical Illustrations - Storage Area Network Configuration - Before and After

Centennial Before

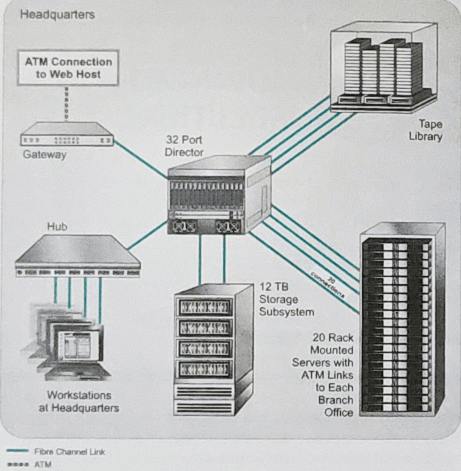


Figure 11 The original Centennial SAN is nearing capacity on their 32-port director, and the bank is paying high fees for ATM links and offsite tape vaulting. Dark (unused) fiber has been deployed in their area and Centennial is ready to utilize this new resource

Centennial After

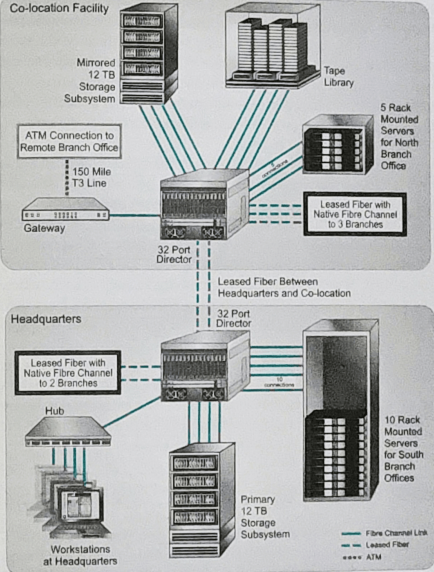


Figure 12 The new Centennial network utilizes leased fiber to connect six branch offices and the co-location facility at gigabit speeds. Centennial is considering deploying WDM equipment at each end of the leased fiber so that other data and telecom traffic can be sent across the same leased fiber. Centennial utilizes remote mirroring to have two simultaneous copies of their crucial data permanently available 24/7.

xSP Before

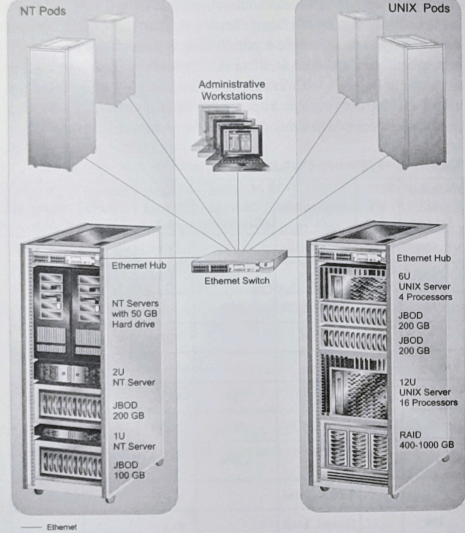


Figure 13 Triak originally deployed individual servers and storage for each new customer. As Triak grew, they had difficulty finding staff to support their JBOP (Just a Bunch of Pods). They also did not have a backup strategy for their customers' data.

xSP After

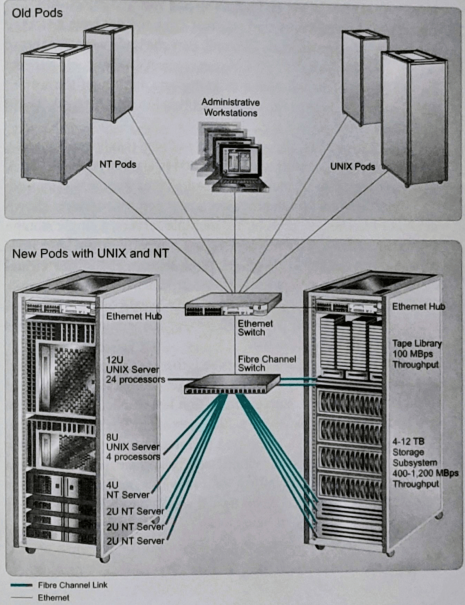


Figure 14 The new pods based on Fibre Channel SANs utilize the latest storage technologies that offer increased manageability. The data in the new pods are regularly backed up with automated software, and the total cost per gigabyte was below the cost of the directly attached SCSI architecture.