

high performance packet switching pdf

High Speed Packet Access (HSPA) is an amalgamation of two mobile protocols, High Speed Downlink Packet Access (HSDPA) and High Speed Uplink Packet Access (HSUPA), that extends and improves the performance of existing 3G mobile telecommunication networks using the WCDMA protocols. A further improved 3GPP standard, Evolved High Speed Packet Access (also known as HSPA+), was released late in 2008 ...

High Speed Packet Access - Wikipedia

ALOHAnet, also known as the ALOHA System, or simply ALOHA, was a pioneering computer networking system developed at the University of Hawaii. ALOHAnet became operational in June, 1971, providing the first public demonstration of a wireless packet data network. ALOHA originally stood for Additive Links On-line Hawaii Area.

ALOHAnet - Wikipedia

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This article introduces the technologies employed in devices loosely referred to as bridges and switches. Topics summarized here include general link layer device operations, local and remote bridging, ATM switching, and LAN switching.

Bridging and Switching Basics - DocWiki - Cisco

Quality of Service (QoS) refers to the capability of a network to provide better service to selected network traffic over various technologies, including Frame Relay, Asynchronous Transfer Mode (ATM), Ethernet and 802.1 networks, SONET, and IP-routed networks that may use any or all of these underlying technologies.

Quality of Service Networking - DocWiki

This document focuses on latency requirements in the data center. It discusses the latency characteristics of the two Ethernet switching paradigms that perform packet forwarding at Layer 2: cut-through and store-and-forward 1. It provides a functional discussion of the two switching methodologies as well as an overall assessment of where a switch of either type is appropriate in the data center.

Cut-Through and Store-and-Forward Ethernet Switching for

When you design networks that transport voice over packet, frame, or cell infrastructures, it is important to understand and account for the delay components in the network. If you account correctly for all potential delays, it ensures that overall network performance is acceptable. Overall voice quality is a function of many

factors that include the compression algorithm, errors and frame ...

Understanding Delay in Packet Voice Networks - Cisco

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