<u>Cisco</u> > <u>Inside Cisco IOS Software Architecture</u> > <u>7. The Cisco Gigabit Switch Router: 12000</u> > **Summary**

< BACK

Make Note | Bookmark

See All Titles

<u>CONTINUE ></u>

Summary

This chapter examined the most important architectural elements of the 12000, which are radically different from any of the shared memory or bus-based Cisco architectures. By using a crossbar switching fabric, the Cisco 12000 provides very large amounts of bandwidth and scalability. Further, the 12000 uses virtual output queues to eliminate Head of Line Blocking within the switching fabric.

Most switching on a Cisco 12000 is distributed to the Line Cards; in some cases, a dedicated ASIC actually switches packets. DCEF is the only switching mode available.

Last updated on 12/5/2001 Inside Cisco IOS Software Architecture, © 2002 Cisco Press

Make Note | Bookmark

<u>CONTINUE ></u>

-

< BACK

About Us Advertise On InformIT Contact Us Legal Notice Privacy Policy