

Chapter 6. Cisco 7500 Routers

This chapter covers the following key topics:

- Hardware Architecture of the Cisco 7500 Router
- Packet Switching on Cisco 7500 Router
- VIP Architecture
- Troubleshooting Tips for the Cisco 7500 Router

The Cisco 7500 router platform was introduced in 1995 to address the ever-increasing demands of high performance routing driven by the explosion of the Internet and mission-critical enterprise applications. The 7500's architecture was derived from the earlier Cisco Advanced Gateway Server+ (AGS+) and Cisco 7000 architectures, but offers significant performance improvements over them. This chapter covers the hardware architecture of the 7500 series routers, the implementation-specific details of IOS switching on the 7500, and the architecture of *Versatile Interface Processors (VIPs)*.

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Index terms contained in this section

[7500 series routers](#)

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