

Functional Network Components of the Net2Phone PacketCable Overlay

Component	Description
Multimedia Terminal Adapter (MTA)	A client device that contains a subscriber-side interface to the subscriber's phone and a network-side signaling interface to call control elements in the network.
Cable Modem Termination System (CMTS)	Provides data connectivity to the MTAs over the HFC access network.
Call Management Server (softswitch)	Provides call control and signaling related services for the MTA, CMTS, and PSTN gateways in the PacketCable network.
Media Gateway	Provides bearer connectivity between the PSTN and the IP network.
Record Keeping Server (RKS)	Receives PacketCable Event Messages from other network elements and assembles the messages into Call Detail Records.
Billing System	Receives CDRs from the RKS for invoicing and customer service functions.
Announcement Server	Manages and plays information tones and messages in response to events that occur in the network.
Real Time Service Assurance Platform (CVOSS Dashboard and Portal)	Service Assurance and Network Management platform that collects real-time call information from the Cable access network, Record Keeping Server and VoIP gateways, complementing it with a broad range of independent PSTN tests, and adds extensive data correlation, alarming, and reporting capabilities.
Syslog Server	Collects events such as transmissions and errors from network elements.
DHCP, DNS, TFTP	Dynamic Host Configuration Protocol server, Domain Name System server, Trivial File Transfer Protocol server.