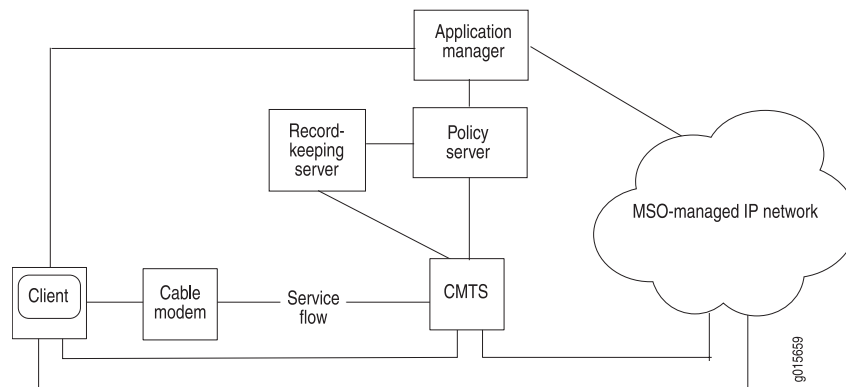


JPS Framework

Figure 1 on page 1 depicts the PCMM architectural framework. The JPS communicates with application managers, CMTS devices, and record-keeping servers.

Figure 1: PCMM Architectural Framework



The interactions between the various PCMM components are centered on the policy server. In the PCMM architecture, these basic interactions occur:

1. A client requests a multimedia service from an application manager.
2. Depending on the client type and its QoS signaling capabilities, the application manager relays the request to a policy server.
3. The policy server relays the request to the CMTS device and is responsible for provisioning the policies on a CMTS device.

Depending on the request, the policy server records an event for the policy request and provides that information to the record-keeping server (RKS).

4. The CMTS device performs admission control and manages network resources through Data over Cable Service Interface Specifications (DOCSIS) service flows based on the provisioned policies.
5. The RKS receives event messages from other network elements, such as the policy server or CMTS device, and acts as a short-term repository for the messages.

