Address	Assigned Purpose
FF02::1	All nodes on the local network segment
FF02::2	All routers on the local network segment
FF02::5	OSPFv3 AllSPF routers
FF02::6	OSPFv3 AllDR routers
FF02::9	RIP routers
FF02::a	EIGRP routers
FF02::d	PIM routers
FF02::1:2	DHCP servers and relay agents on the local network
FF05::1:3	DHCP servers on the local network site
FF0x::FB	Multicast DNS
FF0x::101	Network Time Protocol
FF0x::108	Network Information Service
FF0x::114	Available for experiments

Figure 15.5 Examples of a few permanent IPv6 multicast address assignments using colon hex notation and abbreviating zeroes with double colons. Many other addresses have specific meanings.