

0	8	16	24	31
COMMAND (1-5)		VERSION (2)		MUST BE ZERO
FAMILY OF NET 1			ROUTE TAG FOR NET 1	
IP ADDRESS OF NET 1				
SUBNET MASK FOR NET 1				
NEXT HOP FOR NET 1				
DISTANCE TO NET 1				
FAMILY OF NET 2			ROUTE TAG FOR NET 2	
IP ADDRESS OF NET 2				
SUBNET MASK FOR NET 2				
NEXT HOP FOR NET 2				
DISTANCE TO NET 2				
...				

Figure 14.5 The format of an IPv4 version 2 RIP message. After the 32-bit header, the message contains a sequence of pairs, where each pair specifies an IPv4 prefix, next hop, and distance to the destination.