Number	Length	Description
0	1	End of option list, used if options do not end at end of header (see header padding field)
1	1	No operation. Used to align octets in a list
2	11	Security and handling restrictions for military apps.
3	var	Loose source route. Used to request routing through a set of specified routers
4	var	Internet timestamp. Used to record a timestamp at each hop along the path across an internet
7	var	Record route. Causes each router along the path to record its IP address in the options of the datagram
9	var	Strict source route. Used to specify an exact path through a set of routers
11	4	MTU Probe. Used by a host during IPv4 Path MTU Discovery
12	4	MTU Reply. Returned by router during IPv4 Path MTU Discovery
18	var	Traceroute. Used by the traceroute program to find the routers along a path
20	4	Router Alert. Causes each router along a path to examine the datagram, even if a router is not the ultimate destination

Figure 7.13 Examples of IPv4 options along with their length and a brief description of each.