

NETWORK AWARE APPLICATION DEPENDENT ADAPTIVE PROTOCOL SELECTION FOR IOT COMMUNICATIONS

ABSTRACT

Disclosed in some examples are methods, systems, and devices which perform automatic selection of an application-layer communication protocol based upon one or more
5 communication characteristics of the sending application and one or more characteristics of the network connection between the sending device and the recipient. The selection of which protocol to use may be made on a message-by-message basis, periodically at various intervals (e.g., every predetermined time period), once upon application initialization, or the like. By dynamically selecting an application-layer communications protocol, an application may
10 leverage the advantages of a specific protocol given the communication characteristics of the application and characteristics of the network connection at that time.

Fig. 2