Wireless sensor networks are autonomous sensors that are spatially distributed to supervise temperature, pressure, sound and other environmental conditions and to pass the data co-operatively to a main location through the network. The WSN is composed of several thousands of nodes, where each node is linked to one or several sensors. As wireless sensor networks continue to grow, the need for security mechanisms also does. After a WSN is deployed it is necessary to spread data through wireless links in order to update the configuration parameters and to distribute management commands to sensors. This is termed as data dissemination in WSNs. All presented data dissemination protocols experience from two drawbacks. First, they are based on centralized approach. Second, protocols were not designed with security in mind. Hence adversaries can easily launch attacks on the network.


Index Terms

Computer Science Wireless

Keywords

Dissemination, protocols, security, wireless sensor networks, efficiency.