



Implementing Host Services and Applications

Cisco IOS XR software Host Services and Applications features on the router are used primarily for checking network connectivity and the route a packet follows to reach a destination, mapping a hostname to an IP address or an IP address to a hostname, and transferring files between routers and UNIX workstations.

Prerequisites for implementing Host Services and Applications

Ensure to install the relevant optional RPM package before using the host services or applications.

- [HTTP client application, on page 1](#)
- [TCP , on page 1](#)

HTTP client application

A HTTP client application is a network application that

- allows files to be transferred from HTTP servers to other devices over a network,
- uses the HTTP protocol for communication, and
- provides configurable parameters for connection management and security.

TCP

TCP is a connection-oriented protocol that

- specifies the format of data and acknowledgments that two computer systems exchange to transfer data,
- defines the procedures computers use to ensure that data arrives correctly, and
- allows multiple applications on a system to communicate concurrently by handling all demultiplexing of incoming traffic among the application programs.

