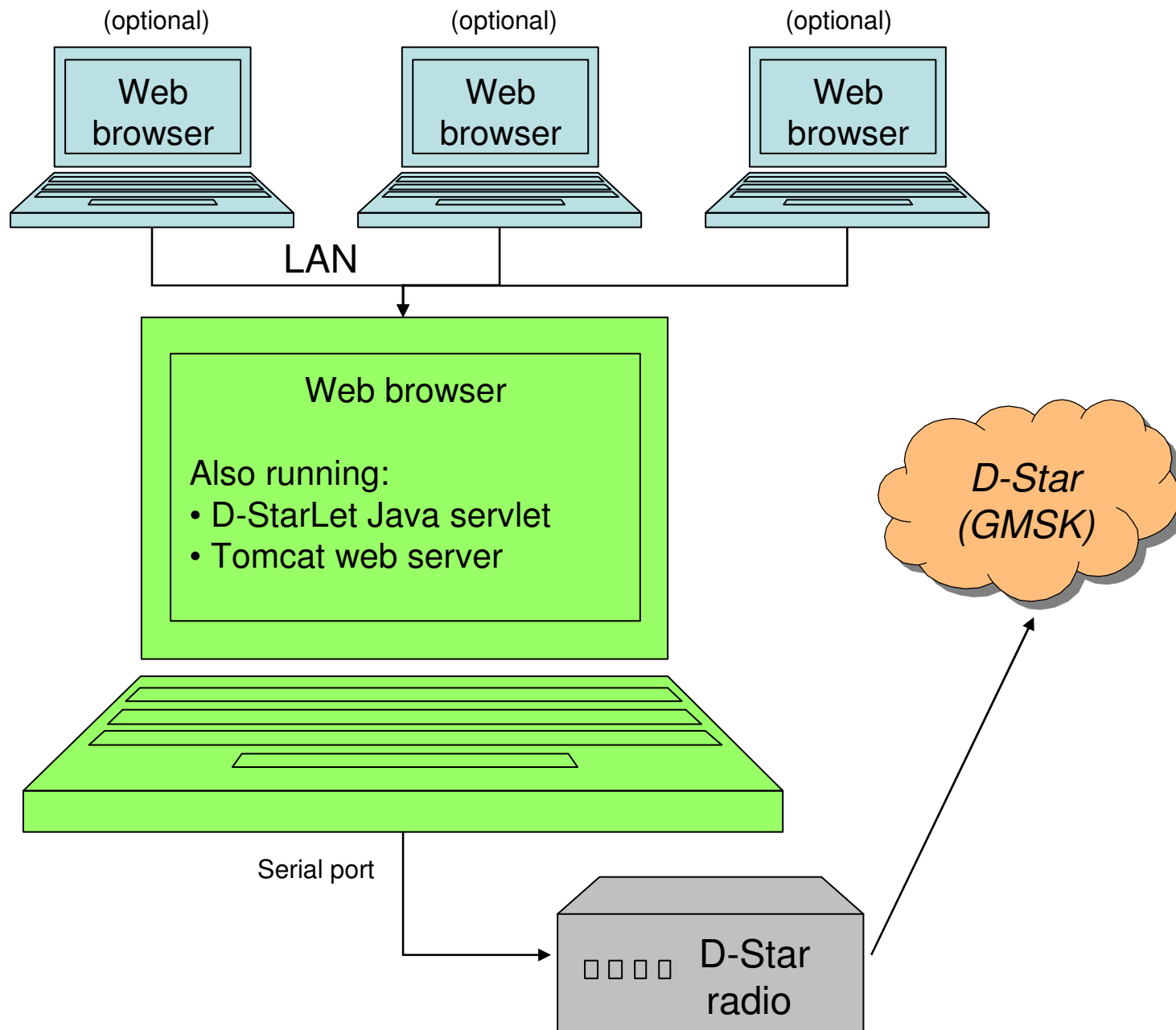


D-StarLet

A web-based
text messaging application
using
ICOM D-Star digital data technology.

D-StarLet features:

- One "master/server" computer is connected to the radio via a standard serial port, using Sun's [Java](#) software, and Apache's [Tomcat](#) web server (all are free software).
- A web browser on the "master/server" computer (as well as optional web browsers on multiple "client" computers on a local network) is used to perform all messaging tasks.



D-StarLet client features:

- Multiple browser windows on the same or multiple computers on the local network can be used to create, send, receive, and manage multiple messages in parallel.
- The status of all incoming and outgoing messages are displayed in any browser window on any computer on the local network.
- Messages can be printed on any computer using the browser's normal printing function.
- A communications log of all messages sent/received can be viewed on any browser.

D-StarLet server features:

- Each incoming and outgoing message is automatically saved as an XML text file on the server computer.
- D-Star radio communications are performed by a Java servlet running in the background on the server, independent of any browser.

D-StarLet server requirements (hardware):

- Pentium 233 or equivalent.
- 96MB RAM.
- 100MB available hard disk space.
- An Ethernet network card, if client computers are also used.
- An available serial port.

D-StarLet server requirements (software):

- One of the following:
 - Windows 98 or higher.
 - Recent Linux/Unix.
 - Apple Mac OS 10.1 or later.
- Apache's [Tomcat](#) web server, version 5.5.10 or later (free).
- Sun Microsystems' [Java](#) JDK (Java Development Kit), version 1.5 or later (free), plus Sun's [JavaComm](#) package.

D-StarLet client requirements:

- An Ethernet network card.
- Any operating system (e.g., Windows, Linux, Mac OS) that supports network connections.
- Any browser (e.g., Internet Explorer, Netscape, Firefox, Opera).
- No other software (e.g., [Java](#)) needs to be installed on the client.

D-StarLet advantages (1):

- The composition of multiple messages can be made in parallel in multiple browser windows, eliminating the need to save one message being composed, in order to work on another one.
- Messages can be created as a draft by one person, and then reviewed and sent by another person on another computer on the local network.
- Incoming messages require a separate step to mark them as "received". This feature ensures that incoming messages are not forgotten.

D-StarLet advantages (2):

- Each incoming and outgoing message is automatically saved as an ordinary XML text file on the server computer.
- Since the entire program is open source, maintenance and/or upgrades are not dependent on any relationship to the author.