<table>
<thead>
<tr>
<th>Field</th>
<th>Internal Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>date/time</td>
<td>date_time</td>
</tr>
<tr>
<td>day of week</td>
<td>day_of_week</td>
</tr>
<tr>
<td>hour of day</td>
<td>hour_of_day</td>
</tr>
<tr>
<td>source host</td>
<td>source_host</td>
</tr>
<tr>
<td>destination host</td>
<td>destination_host</td>
</tr>
<tr>
<td>source port</td>
<td>source_port</td>
</tr>
<tr>
<td>destination port</td>
<td>destination_port</td>
</tr>
</tbody>
</table>

Table 4-1  Sawmill stores these nonnumerical fields in its Linksys router database

Link Logger can perform the following functions:

- Monitor and administer the systems on a LAN to ensure that they are being used appropriately on the Internet
- Display traffic in real time and produce reports and graphs on a network level or on an individual system
- Retrieve and review the details behind the reports quickly and easily

**Sawmill**

Sawmill is a Linksys router log analyzer. Sawmill processes router log files, analyzes them, and then generates a report based on the analysis. Sawmill stores the nonnumerical fields seen in Table 4-1 in its Linksys router database, generates reports for each field, and allows dynamic filtering on any combination of fields.

Sawmill includes the following features:

- Extensive documentation
- Live reports and graphs
- Analysis toolset
- Attractive statistics
- Advanced user tracking by WebNibbler
- Works with a variety of platforms

**Chapter Summary**

- A router is a computer networking device that forwards data packets across networks.
- A router decides the most effective path for a packet to reach its final destination.
- A routing table is a database that stores the most efficient routes to particular network destinations.
- The types of router attacks are: denial-of-service attacks, packet-mistreating attacks, routing table poisoning, hit-and-run attacks, and persistent attacks.
- RIP sends routing update messages when the network topology changes.
- A router log shows whether anyone has been trying to get into a network.
- Investigators must be careful while accessing a router.