



~ Threats

Spoofting:

- Mal could create a fake web client or app posing as the real one, and feed people wrong info/collect their data.
- Mal could create a fake web server to talk to the web client/apps
- Mal could create a fake database server to talk to the web server

Tampering:

- Mal could use any of the spoofing techniques above, to manipulate the data flow

Repudiation:

- Mal could tamper with the database server to remove his search history (for example), allowing him to repudiate any claims about his search history

Denial of Service:

- Mal could create a bunch of accounts and flood the network with traffic
- Mal could sever any of the connections in the data flow diagram

Escalation of privilege:

- Mal could give himself sudo privileges on any one of the servers involved

Information leak:

- Mal could leak users' credentials and activity if he had sufficient privileges on the database server