Stateful application: A stateful app is a program that saves client data from the activities of one session for use in the next session. The data that is saved is called the application’s state.

Apps can be stateful or [stateless](https://whatis.techtarget.com/definition/stateless). When an app is stateful, client data is either stored locally or on a remote host until the user logs out or the session expires after a predetermined time limit. The session data that is saved to persistent disk storage is accessible to the server, to the client and to other applications.

Some known examples of stateful applications include MongoDB, Cassandra, and MySQL.

A very crude example of a Stateless application could be a calculator that always start with zero without storing the calculations or data from before.