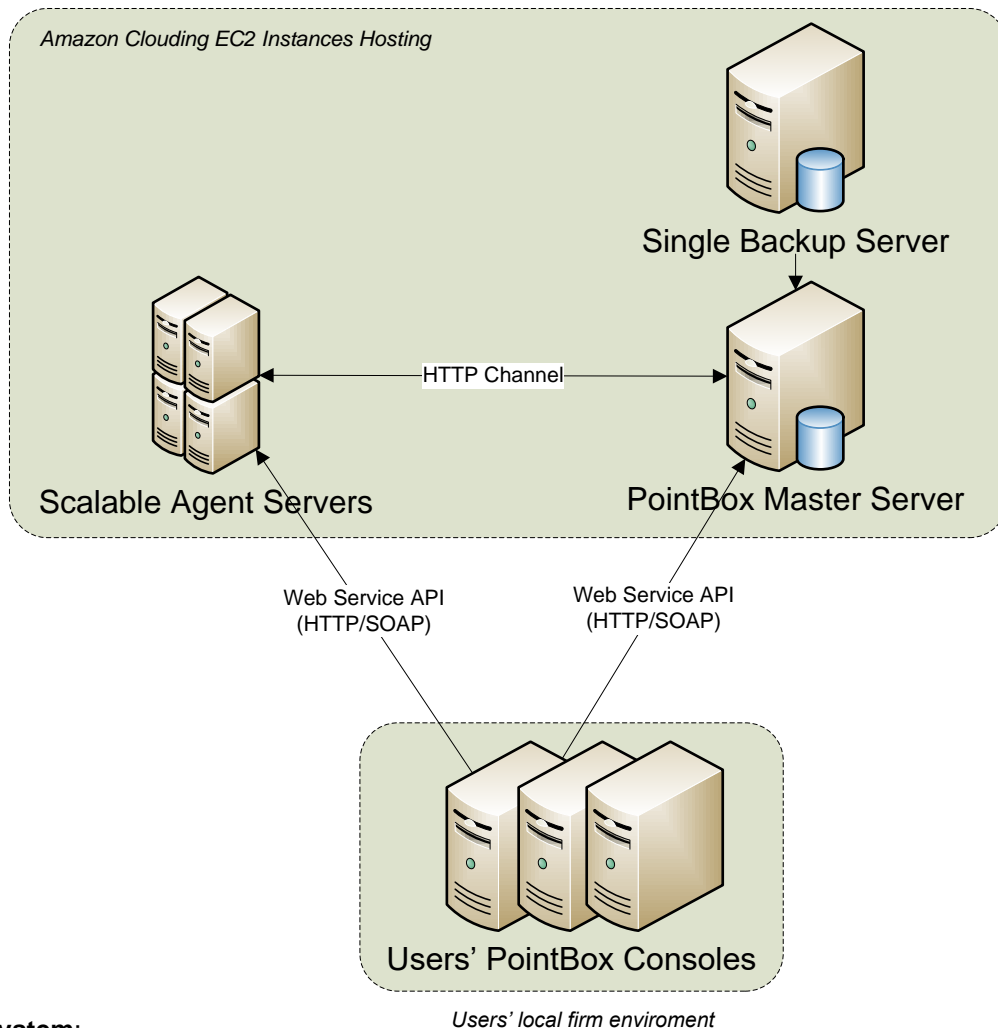


PointBox Distributed Clouding System Environment

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PointBox System:

(1) Master Server:

PointBox controller web server (GlassFish), OpenFire PBIM server (OpenFire), central database server (MySQL) are deployed on this machine to manipulate the entire system's connection, settings, and online updates.

(2) Backup Server of Master

A mirror server of the master server execute the backup procedure every night. In case of Master crashed, PointBox console may switch to the backup server.

(3) Scalable Agent Servers:

A expandable collection of machines, where PointBox central web server (GlassFish), local web server (GlassFish), and gateway server (HTTP-based Java application server at a private port) are deployed, supports PBC's all the functions through a public web service API with JAX-WS. We may add more machines by means of PointBox controller on the master to handle scalable issues in case of client-side booming.

(4) PointBox Console (PBC):

Users of PointBox system install PBC in their own computers which are usually working in a firm networking environment (possibly firewall secured.). PBC is a standard GUI-based application coded in pure-Java.