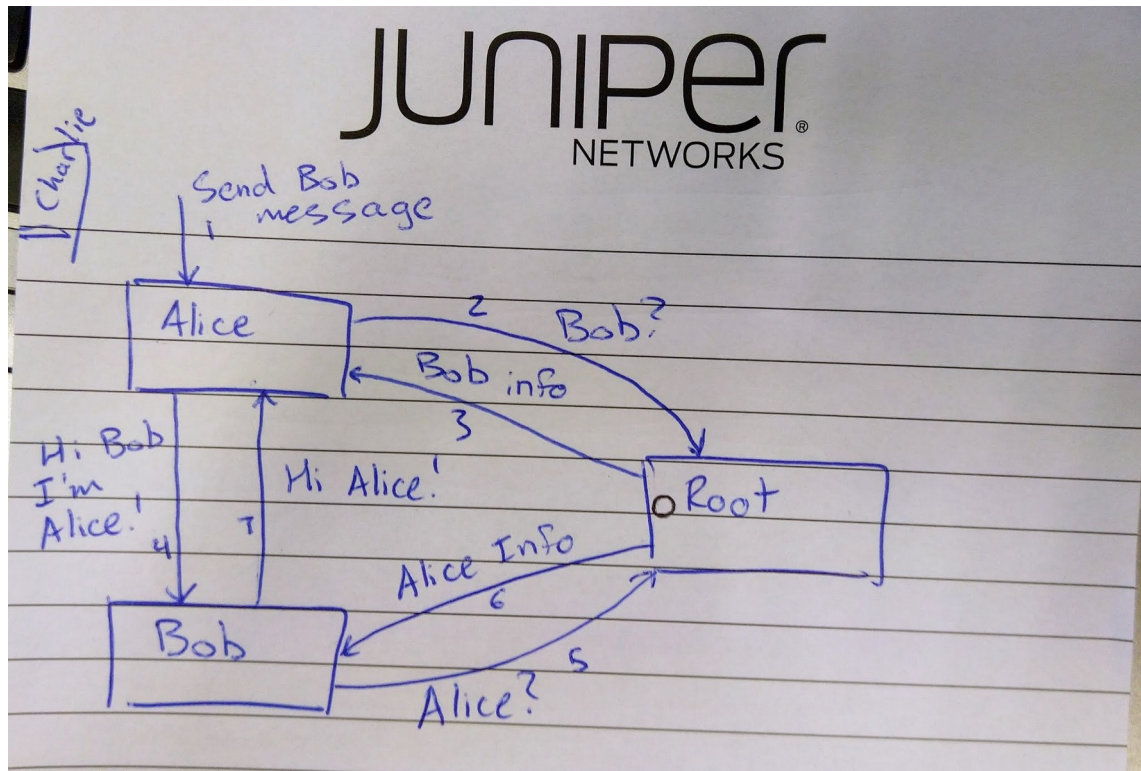


Qhamster's Qchat Improvements

Tudor Tabacel, Syed Affan, Matt Skrzypczyk

Goal

- **Decouple Client/Server functionality and provide a language independent client interface**

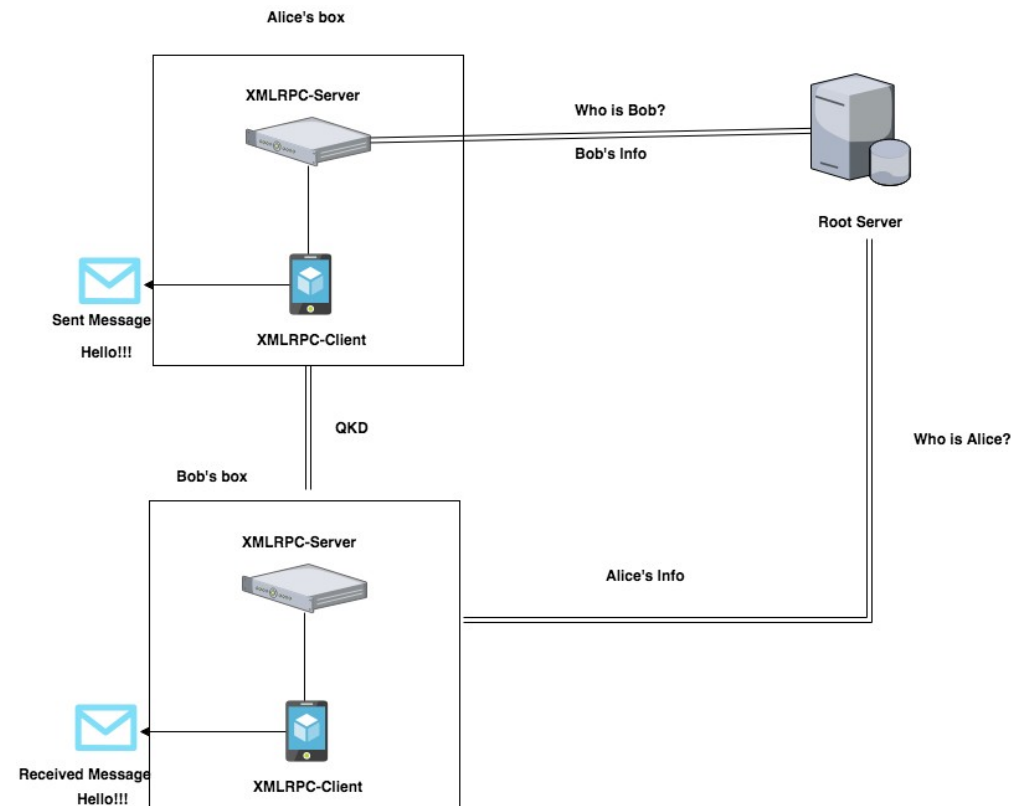


Method

- **Separate monolithic server code into core, server, and client specific services**
- **Add XML-RPC server that manages Qchat client backend**
- **Create XML-RPC client that communicate with RPC server**

Results

- Organized services
- Python XML-RPC Server
- Interoperable web and cli XML-RPC clients
- Backend improvements (CPU utilization, signature verification, communication latency)



Follow-up

- **More improvements can be made**
 - **User discovery**
 - **Persistent message/contact storage**
 - **Web client real-time streaming**
 - **Additional RPC client features, currently only supports messaging**
- **Contract agreements are important for team efficiency**