

Voice Authentication

Tres Commas

Jonathan Easterman (Lead), Sasha Shams (Scribe), Arda Ungun, Carson Holoien, Vince Nicoara

Mentors:

Mike Weaver, Colin Kelley, James Brown Chandra Krintz, Ankita Singh

Problem & Motivation

Current implementations are:

- Insecure
- Unreliable
- Tedious
- Inefficient for call centers





Problem & Motivation

Desired Solution should be:

- Fast
- Easy to Use
- Secure
- Reliable
- Efficient for call centers





Solution Overview

- Voice Biometrics Integration with an IVR tree
- Highly scalable distributed system with ease of deployment
- Modular components for easy plug-and-play



Solution

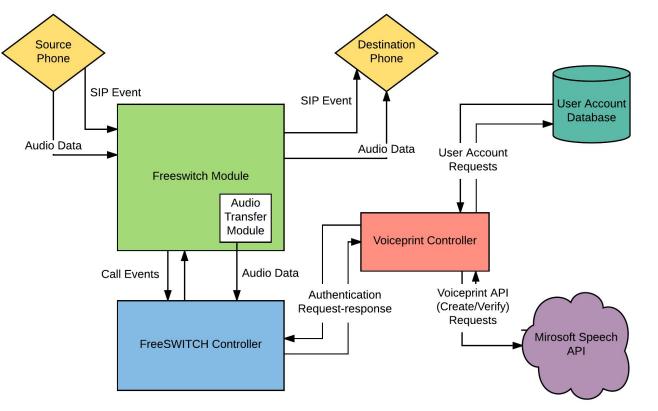








Solution



999 Tres Commas

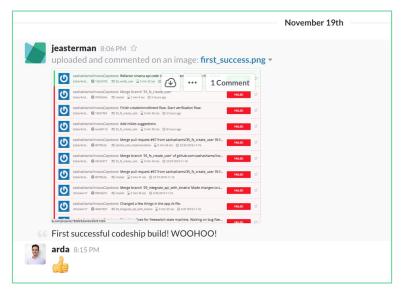
Tres Commas' Development Practices





Tres Commas' Development Practices







Current Status + Demo

- Account creation, enrollment, deletion, and verification
- FreeSWITCH & FreeSWITCH controller on isolated Docker containers
- CodeShip tests



What's next?

- Web interface
- New roles:
 - Customer Support Agents
 - Managers
 - Admins
- Account for Call Support Agent availability
- Scalability and Distribution





Thank You Questions?

