Amazon's voice service: Alexa

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Concept:

- Amazon voice service the brain behind millions of devices including Amazon Echo.
- Alexa provides skills, enabling customers to create a more personalized experience.

Technical Skills/Tools:

- Terminal for Mac
- CMD for Windows
- Flask-Ask Library
- Amazon Developer Account
- Ngrok Tunneling Service

amazon alexa





- Flask is a microframework for
 Python based on Werkzeug, Jinja
 2 and good intentions.
- Flask-Ask makes it easy to write Amazon Echo apps with Flask and the Alexa Skills Kit.
- Developed by John Wheeler

Github johnwheeler/Flask-Ask

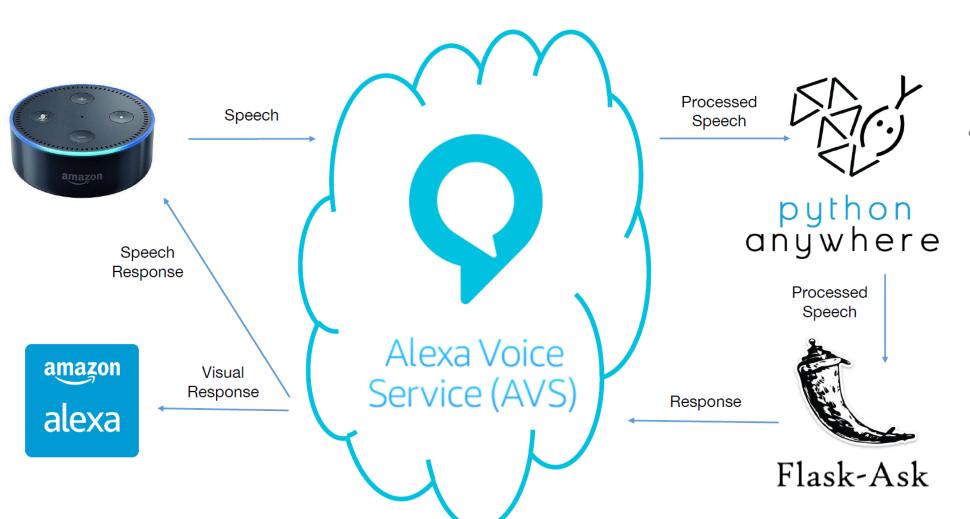
Learn More About Flask-ASK and ngrok

Documents - ngrok http 3000 - 80×24

To test locally and efficiently
 Flask-Ask uses Ngrok

 Ngrok is a multiplatform tunnelling, reverse proxy software that establishes secure tunnels from a public endpoint such as internet to a locally running network service while capturing all traffic for detailed inspection and replay.





- Developing a Flask application locally is easy. However, getting it up and running on production infrastructure is the tough part.
- Flask-Live-Starter prescribes a set of best-of-breed infrastructure components that make deploying to VPS instances a snap. It includes Fabric tasks that automate provisioning, deployment, and common post-deployment operations (database backup and log tailing).



- Future Concepts
- Piano notes recognition and tutoring via Sound
 Fingerprinting – Python Dejavu Library



- Future Concepts
- Use Amazon's LEX AI to interpret
 what people are whispering by
 reading lips using camera,
 computer vision and tensor flow
 library

Thank you



References

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