

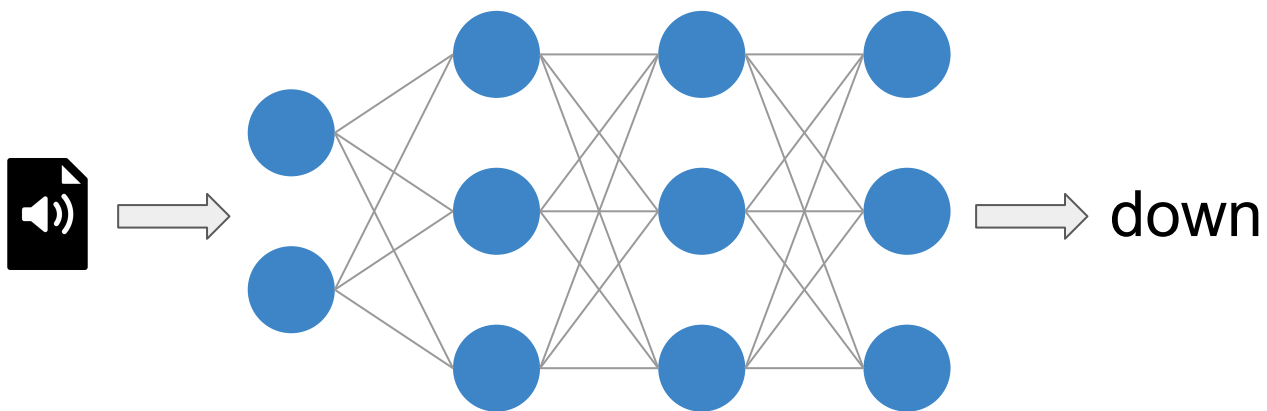
Deep learning (audio) application: From design to deployment

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Keyword spotting system

- Identification of keywords
- Voice user interface

Keyword spotting system



The architecture

aws



The architecture

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The architecture

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The architecture

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The architecture

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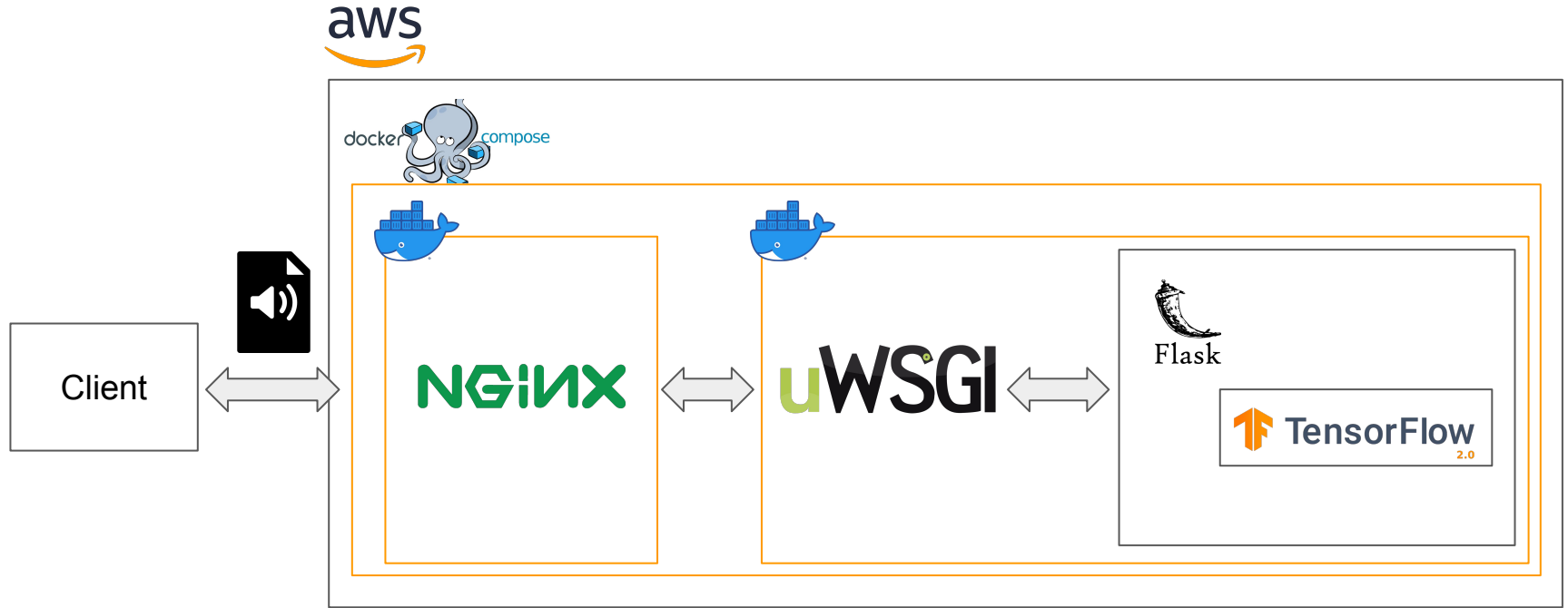


The architecture

aws



The architecture



What you'll learn

- Build simple speech recognition system
- Implement Flask API
- Set up NGINX, uWSGI, Flask web ecosystem
- Create Docker containers
- Set up AWS EC2 instances
- Deploy AI models on AWS via ssh/scp

Prerequisites

- Intermediate Python
- Familiar with TensorFlow/Keras [advisable but not necessary!]

What next?

- Prepare the voice dataset