Azure

Speech Data
Text Data
(for all languages)

VM 1

VM 2

HDD 1
(Master HDD)

Original Azure Data
Converted Audio Files
Preprocess data
(for all languages)

Configuration
Management

Lexicon
List of train
utterance ids
List of test
utterance ids

Kaldi Subset
Data in order to
create final
kaldi dataset

Kaldi

Clone HDD Image

Mount HDD

HDD 2

Training

Kaldi Results and Model files needed for Inference

Base Kaldi and KWS Inference Docker Image

Final Production Ready Docker Image Building Script

Final Docker Image with model id as tag

Push Image

DockerHub

Pull Image

Devops guy /
Tester / Linguistic
Expert