

Handout Dialogflow vs Amazon Lex

Comparison Matrix:

	Dialogflow (Google)	Lex (Amazon)
Integration with third party apps	★★★	★
Context (passing paramters between intents)	★★★	★
APIs + Documentation	★★	★★
Lambda	★	★★★
Webhook	★★	★

Important Links:

Google:

1. Dialogflow: <https://dialogflow.com/>
2. Dialogflow Documentation: <https://dialogflow.com/docs/getting-started>
3. Actions on Google: <https://developers.google.com/actions/> (Google Assistant Integration)

Amazon:

1. Lex page: <http://console.aws.amazon.com/lex>
2. Docs: docs.aws.amazon.com/lex/
3. Api: docs.aws.amazon.com/de_de/lex/latest/dg/API_Reference.html

Libraries:

Dialogflow: <https://github.com/dialogflow/dialogflow-fulfillment-nodejs>

Actions on Google: <https://github.com/actions-on-google/actions-on-google-nodejs>

Dictionary:

Dialogflow	Lex	Explanation
Intent	Intent	Entrypoint for software. An intent is triggered by a user by speech. What intent is triggered by their sentence is decided by dialogflow/lex based on example utterances that are provided by the developer (us).
Training Phrase	Utterance	Something that a User says, that is mapped to an Intent.
Parameters	Slots	Basically function parameters hat are passed with an Intent. Example: „Order a Salami Pizza!“ Order Pizza = Intent, Salami = Parameter/Slot
Entities	Slot Types	Types of Paramters/Slots. Example: Date, Time, Color, Age, URL, Number. You can create custom ones as well.
Fulfillment	Fulfillment	The actual processing of a function. Calculation of the assistants Response to an Intent.

Proposed Architecture:

