

Chatbots

Dialogflow

Give users new ways to interact with your product by building engaging voice and text-based conversational interfaces, such as voice apps and chatbots, powered by Al. Connect with users on your website, mobile app, the Google Assistant, Amazon Alexa, Facebook Messenger, and other popular platforms and devices.

Contact Center Al

Serve customers better with Al that talks, understands, and interacts

https://youtu.be/uHrwV1SZLEo

Features

- Virtual Agent
- Agent Assist
- Insights sentiment analysis

Contact Center Al partners

- Genesys
- Avaya
- Cisco
- Mitel





Basics - 1: Agent - Handles conversations with end-users.

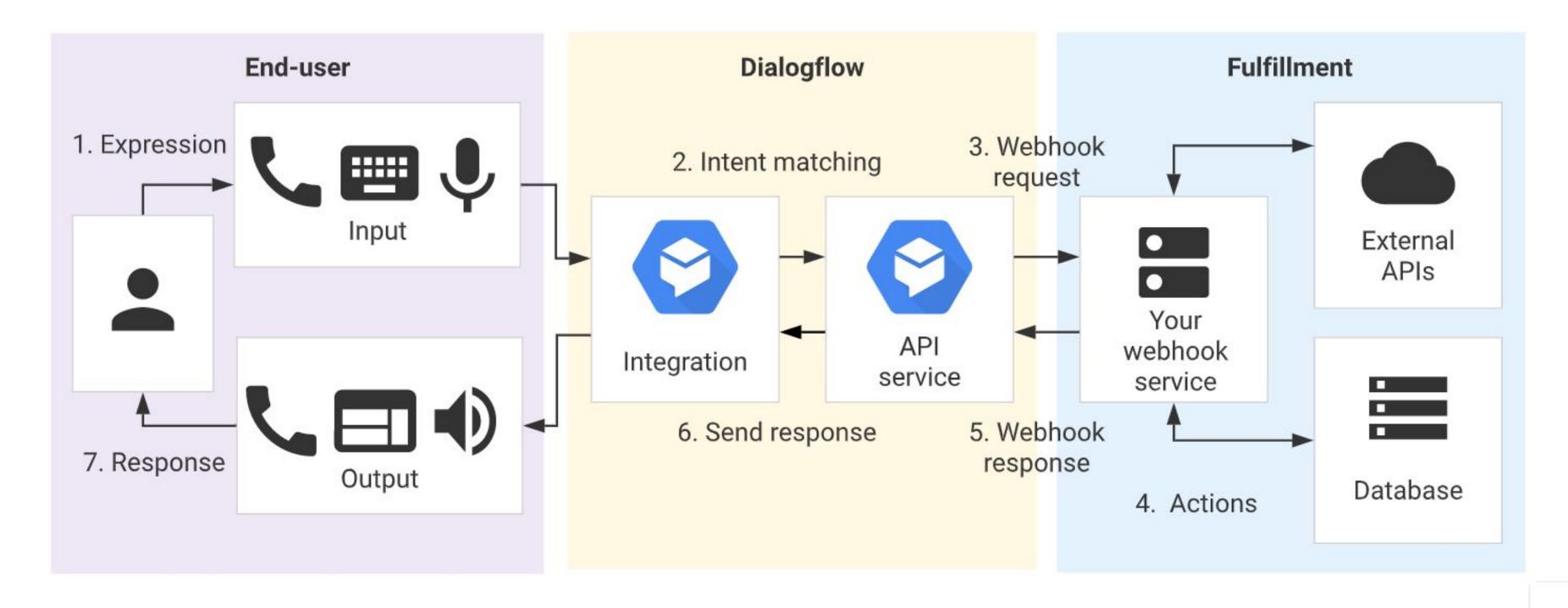
- Intents categorizes user intention and accordingly decides the closest action or response to be provided back to the user.
 - Training Phrase User's input phrases powered by ML
 - Action Action to be taken
 - Parameters Extract useful information/ values from the user's input phrase
 - Response Text, speech or visual response returned back to the end-user



Basics-2

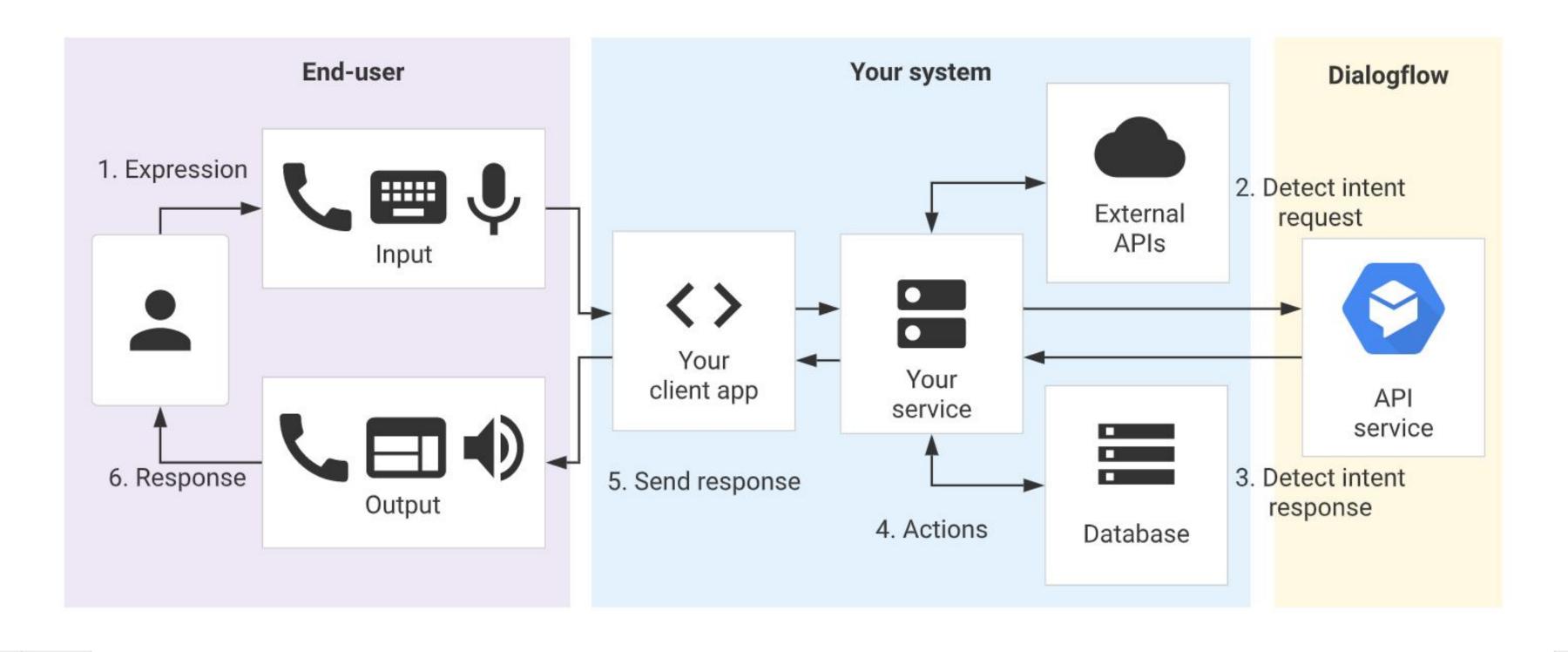
- Entities dictates exactly how data from an end-user expression is extracted.
 - System Entities date, time, location etc.
 - Custom Entities your own classification
- Context the context of the conversation in follow up conversations
 - Input input of the context.
 - Output output for the context
- Follow-up Intents automatically set up context for a pair of intents

Fulfillment for integrations - 1





Fulfillment for integrations - 2





Built-in Integrations

These integrations are fully supported by Dialogflow and are configured with the Dialogflow console. The following are available:

- Google Assistant
- Dialogflow Messenger
- Dialogflow Phone Gateway
- Dialogflow Web Demo
- Hangouts Chat
- Facebook Messenger
- LINE
- Slack
- Telegram

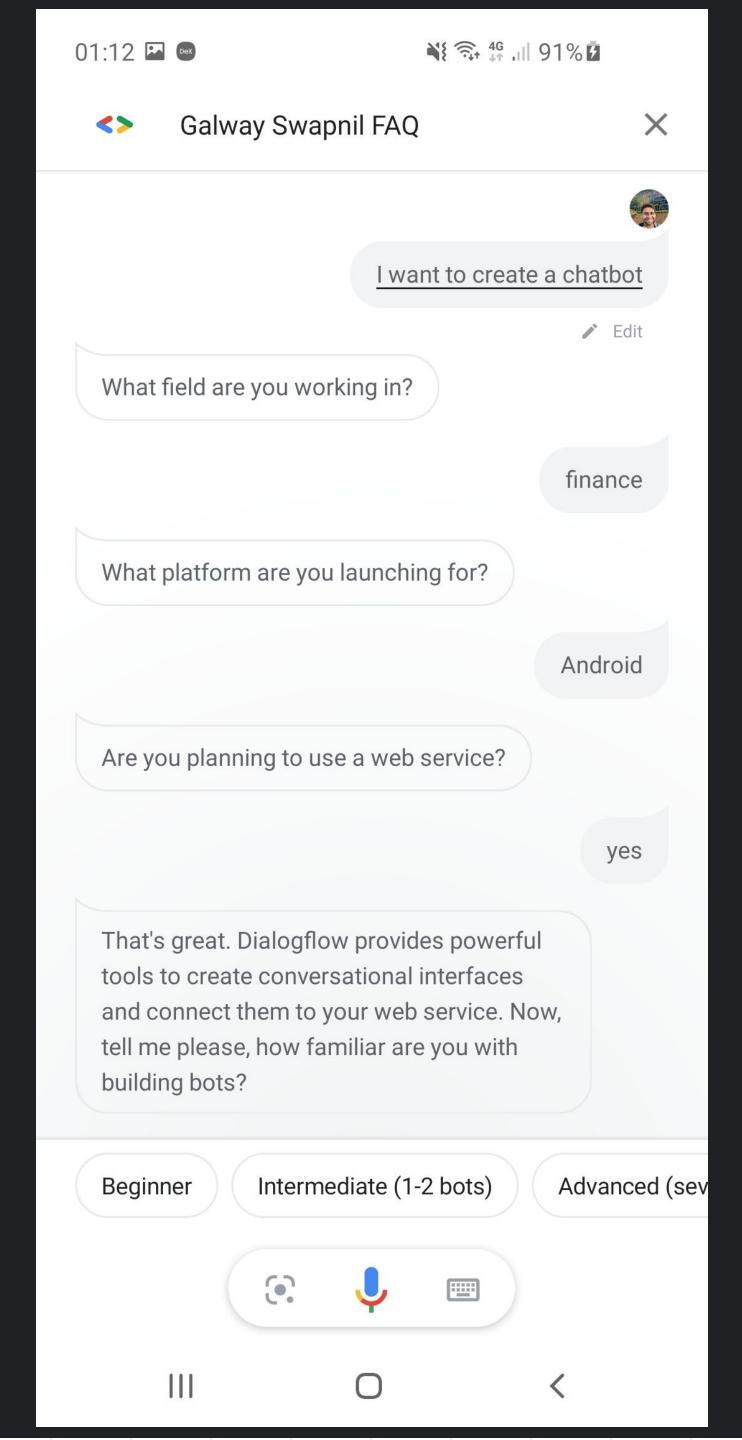


Google Assistant

Galway Swapnil FAQ Agent

Experts

Intent and follow up intents with required parameters - Industry and Platform..

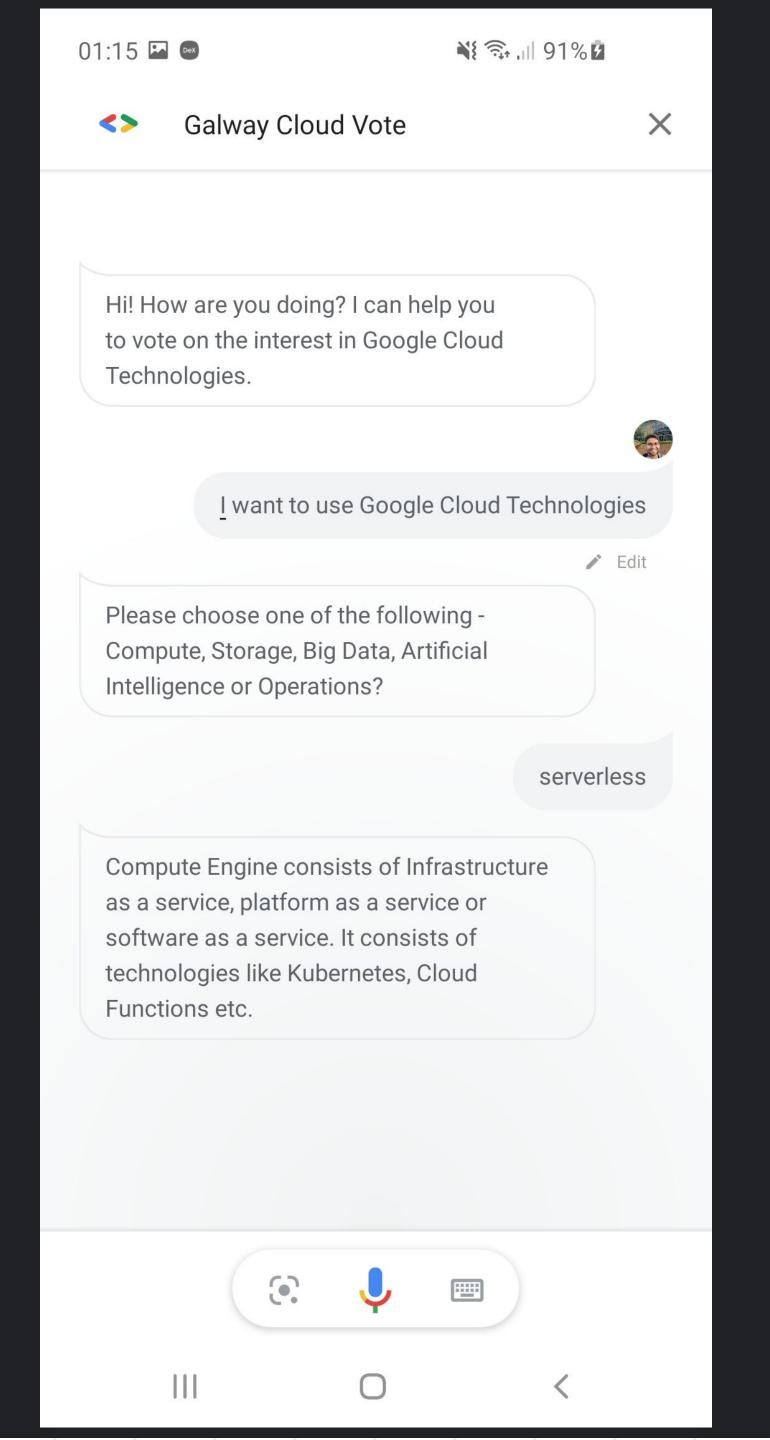


Google Assistant

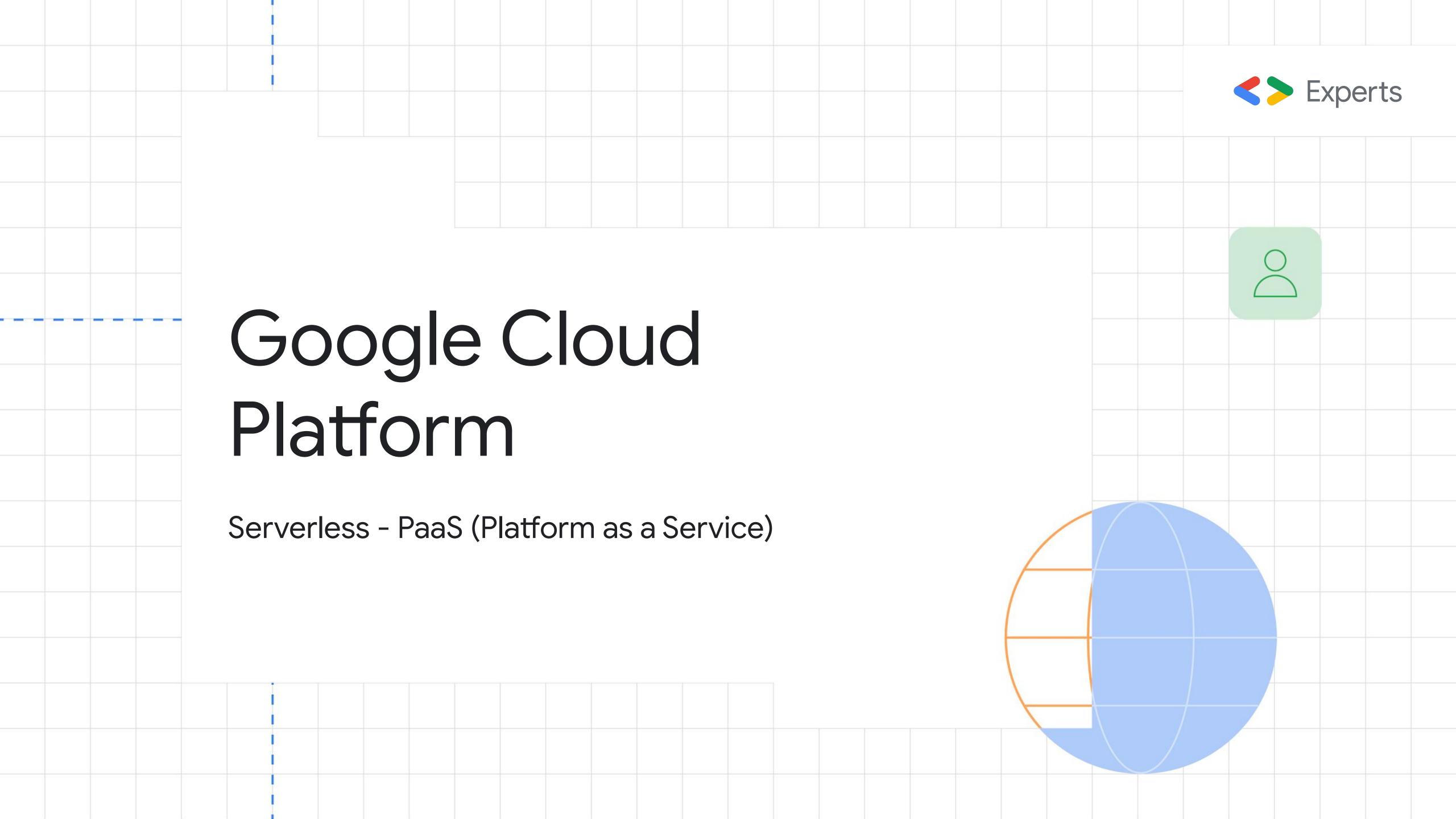
Galway Cloud Vote Agent

Intent and follow up intent with parameter to use Entity (serverless belonging to Compute).

Ability to use Cloud Functions and Firestore Database







Google Cloud Serverless

Serverless Computing

Google Cloud's serverless platform lets you write code your way without worrying about the underlying infrastructure. Deploy functions or apps as source code or as containers. Build full stack serverless applications with Google Cloud's storage, databases, machine learning, and more. Easily extend applications with event-driven computing from Google or third-party service integrations. You can even choose to move your serverless workloads to on-premises environments or to the cloud.



GCP Serverless options



SERVERLESS FUNCTIONS & EVENTS

Cloud Functions

An event-driven compute platform to easily connect and extend Google and third-party cloud services and build applications that scale from zero to planet scale.

Learn more →



SERVERLESS HTTP APPLICATIONS

App Engine standard environment

A fully managed serverless application platform for web and API backends.
Use popular development languages without worrying about infrastructure management.

Learn more →



SERVERLESS CONTAINERS

Cloud Run

A serverless compute
platform that enables you
to run stateless containers
invocable via HTTP
requests. Cloud Run is
available as a fully
managed, pay-only-forwhat-you-use platform and
also as part of Anthos.

Learn more →



Google Developers

```
function readFromDb (agent) {
    // Get the database collection 'dialogflow' and document 'agent'
   const dialogflowAgentDoc = db.collection('dialogflow').doc('agent');
    // Get the value of 'entry' in the document and send it to the user
   return dialogflowAgentDoc.get()
      .then(doc => {
       if (!doc.exists) {
                                                                            Read from Database
         agent.add('No data found in the database!');
       } else {
         agent.add(doc.data().entry);
        return Promise.resolve('Read complete');
     }).catch(() => {
       agent.add('Error reading entry from the Firestore database.');
        agent.add('Please add a entry to the database first by saying, "Write <your phrase> to the
database"');
     });
```

```
function writeToDb (agent) {
 // Get parameter from Dialogflow with the string to add to the database
const databaseEntry = agent.parameters.technology;
 // Get the database collection 'dialogflow' and document 'agent' and store
 // the document {entry: "<value of database entry>"} in the 'agent' document
const dialogflowAgentRef = db.collection('dialogflow').doc('agent');
return db.runTransaction(t => {
  t.set(dialogflowAgentRef, {entry: databaseEntry});
  return Promise.resolve('Write complete');
 }).then(doc => {
  agent.add(`Wrote "${databaseEntry}" to the Firestore database.`);
 }).catch(err => {
  console.log(`Error writing to Firestore: ${err}`);
  agent.add(`Failed to write "${databaseEntry}" to the Firestore database.`);
 });
```

Write to Database

