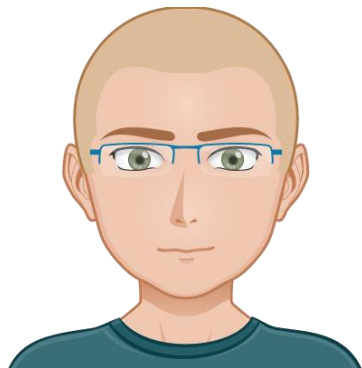




2019 - XVIII Edizione

«DELPHI,
Parla con
ALEXA!»



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REGGIO EMILIA

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 **DelphiDay**
italian conference

PIACENZA
EDITION

2019 - XVIII Edizione

 **wintech**
italia

AGENDA

- Gli assistenti digitali
- Amazon Alexa & Echo
- Dentro le Skill
- Creare una Skill
- Q & A

Demo
**IMPOSTiamo un
Timer?**

ASSISTENTI DIGITALI

GLI ASSISTENTI

amazon
echo



Google HOME



APPLICAZIONI

- Home Automation
- Remote Instruction
- Entertainment
- Shipment Status

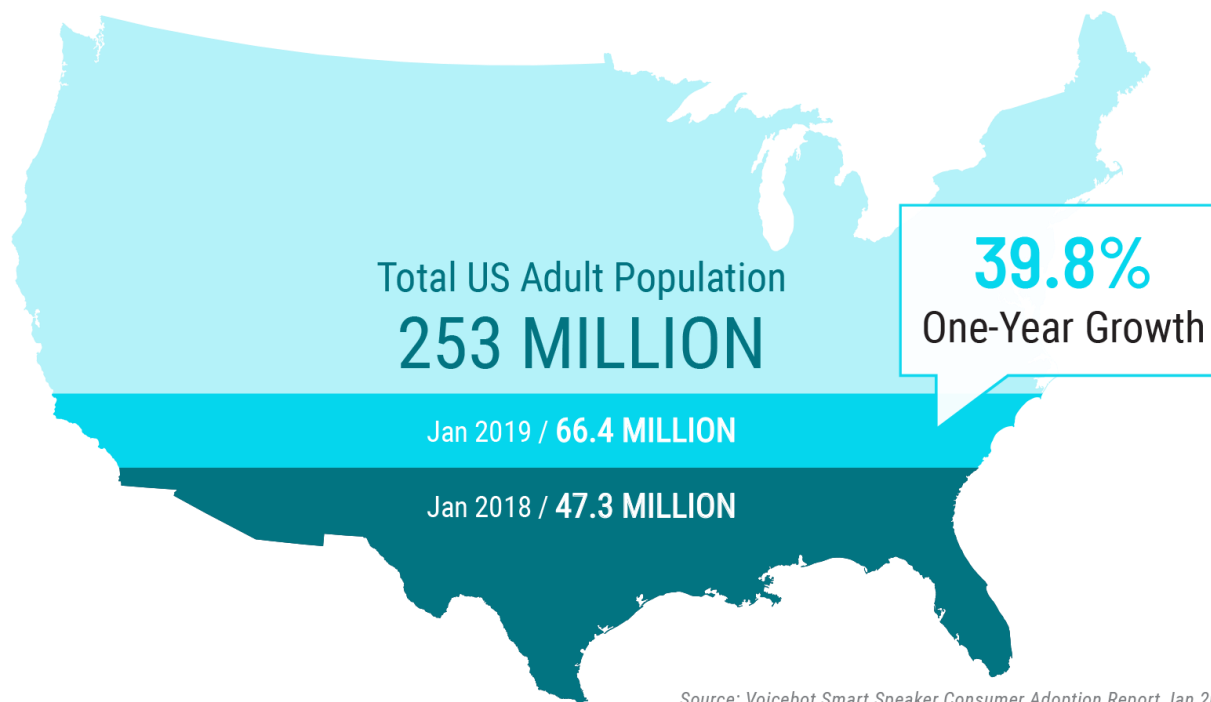
Magari un nuovo trend creato da te. 😊

REQUISITI

- Rete Internet sempre connessa
- Alimentazione continua
- Una discreta disaffezione per la privacy! 😬

DIFFUSIONE USA

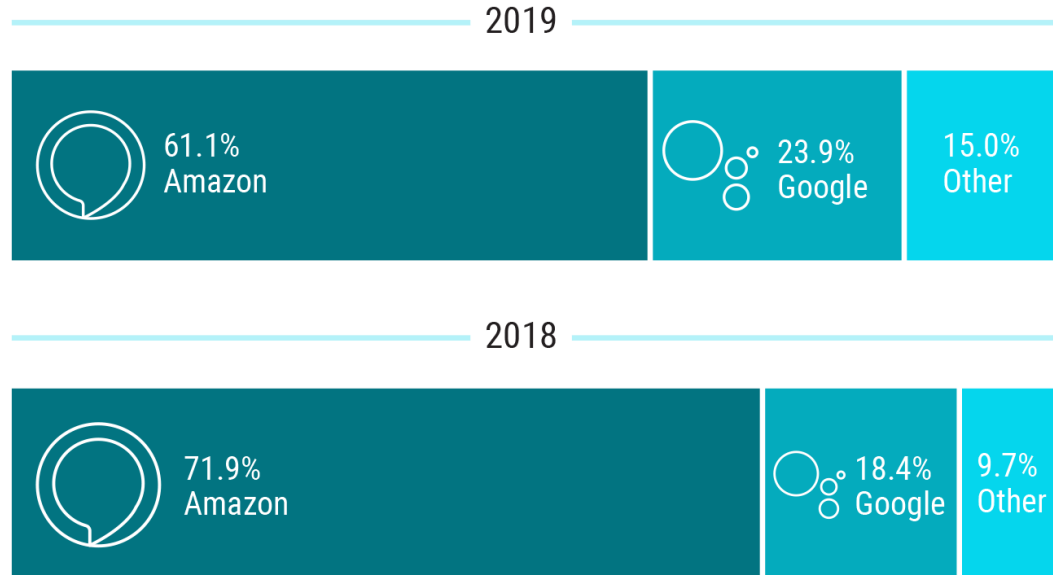
U.S. Adult Smart Speaker Installed Base January 2019



Source: Voicebot Smart Speaker Consumer Adoption Report Jan 2019

Market Share

U.S. Smart Speaker Market Share by Brand January 2018 & 2019



Source: Voicebot Smart Speaker Consumer Adoption Report Jan 2019

Alexa & ECHO

Amazon ECHO

- Dispositivo a interfaccia vocale basato sul linguaggio naturale
- Hands-free e sempre attivo
- Serie di microfoni direzionali
- Audio immersivo a 360°
- Connettività Bluetooth e Wi-Fi



Amazon Alexa

- Echo è un device, Alexa è un servizio! *
- Costituisce l'eco sistema per utilizzare e costruire nuove app (o skill)
- ASK è il nome dell'SDK

* detto «Alexa Voice Service» (AVS).



SKILLS

- Alexa è il cervello dietro i device Echo, Dot, Tap di Amazon e di terze parti
- Alexa è il servizio basato su voce che fornisce le capacità (skill) che consentono ai clienti di interagire col device in modo più intuitivo
- Alexa è simile a Siri, Cortana, Google Home
- Tramite le skill, le terze parti estendono le possibilità offerte dal servizio
- La logica delle skill può essere codificata in qualsiasi linguaggio (C#, PHP, Python, e Delphi!)

Dentro Le SKILL

come FUNZIONA?



TIPI DI SKILL

- **Built-in Skill**: già sviluppate da Amazon e fornite con il servizio quando si usa un device
- **Custom Skill**: qualsiasi cosa sviluppata da terzi secondo modalità e hosting personalizzati
- **Smart Home Skill**: per interagire con device domotici (luci, termostati, router, pulsanti, ...)
- **Flash Briefing Skill**: forniscono notizie basate su feed che sfruttano le capacità TTS del motore

PROGETTARE LA VUI

→ **Attenzione alla «Voice Experience»!**

→ VUX diverso da esperienza utente desktop e Web

→ **Precedenza alle funzionalità «core»**

→ Deve fare una cosa sola e farla bene

→ Focalizzarsi su ciò che va costruito prima

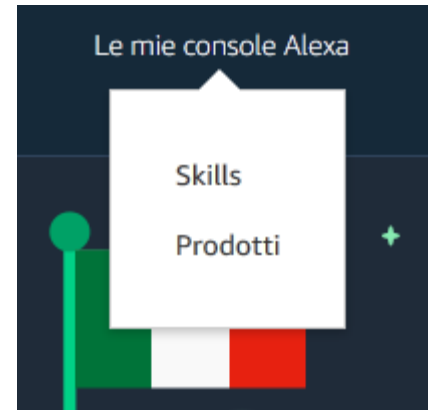
→ **Adottare un approccio iterativo**

→ Funzionalità aggiuntive si potranno aggiungere in seguito, man mano, con test approfonditi

DOVE INIZIARE?

→ <https://developer.amazon.com/alexa/>


- Presentazione piattaforma e ASK
- Console di progettazione skill
- Documentazione e risorse (in abbondanza)
- Guide interattive
- Esempi e approfondimenti
- Qualche contest premiante.....



creare una SKILL

MODELLO

- ➔ Selezionare il modello
- ➔ Selezionare la soluzione di hosting preferita

 alexa developer console Feedback forum

Create a new skill Cancel Create skill

Skill name

DelphiPizza 11/50 characters

Default language

Italian (IT) ▼

More languages can be added to your skill after creation

Choose a model to add to your skill

There are many ways to start building a skill. You can design your own custom model or start with a pre-built model. Pre-built models are interaction models that contain a package of intents and utterances that you can add to your skill.

Custom SELECTED

Design a unique experience for your users. A custom model enables you to create all of your skill's interactions.

Flash Briefing

Give users control of their news feed. This pre-built model lets users control what updates they listen to.

"Alexa, quali sono le notizie del giorno?"

Smart Home

Give users control of their smart home devices. This pre-built model lets users turn off the lights and other devices without getting up.

"Alexa, accendi le luci in cucina"

Choose a method to host your skill's backend resources

You can provision your own backend resources or you can have Alexa host them for you. If you decide to have Alexa host your skill, you'll get access to our code editor, which will allow you to deploy code directly to AWS Lambda from the developer console.

Provision your own SELECTED

Provision your own endpoint and backend resources for a skill. With this option, you will not gain access to the console's code editor.

Alexa-Hosted

Alexa will host skills in your account up to the AWS Free Tier limits. You will gain access to an AWS Lambda endpoint, 5 GB of media storage with 15 GB of monthly data transfer, and a table for session persistence. [Learn more](#)

CHECKLIST

alex developer console

< Your Skills

DelphiPizza

Build

Code

Test

Distribution

Certification

Analytics

Feedback forum

Italian

CUSTOM

Interaction Model

Invocation

Intents (4)

Add

Built-In Intents (4)

AMAZON.CancelIntent

AMAZON.HelpIntent

AMAZON.StopIntent

AMAZON.NavigateHomeIntent

Slot Types (0)

Add

JSON Editor

Interfaces

Endpoint

Intent History

Display

BETA

IN-SKILL PRODUCTS

ACCOUNT LINKING

PERMISSIONS

How to get started

Alexa Skills Kit Developer Console: ...

Guarda più tardi

Condividi

amazon alexa

Developer Console: Build

Resources

Make Money

Create an In-Skill Product and add it to your skill. This enables you to sell premium content to your customers via voice.

Documentation

Refer to our technical documents for detailed guides on building custom skills.

Sample Alexa Projects

Whatever your experience, you can get started quickly using one of our Alexa projects on GitHub.

Alexa Presentation Language (APL) Documentation

Use our APL technical documentation to build skills with full-featured, responsive, and interactive screen displays.

Alexa Design Guide

Learn how to design engaging and creative visual responses for your skills using APL.

Weekly Office Hours

Drop in with your questions and thoughts. We're here to help you.

Alexa Developer Forums

Visit our forums to get inspired, join our Alexa developer community.

Alexa Skills Policy

Ready to submit your skill? Make sure it complies with skills guidelines.

Skill builder checklist

Complete these steps to be able to test your skill using the simulator in the test tab, or with your echo device.

REQUIRED

1. Invocation Name >

Enter an invocation name for your skill

REQUIRED

2. Intents, Samples, and Slots >

Add at least one intent and one sample utterance

REQUIRED

3. Build Model >

Successfully build your interaction model

REQUIRED

4. Endpoint >

Set a web service endpoint to handle skill requests

OPTIONAL

In-Skill Products >

Create an in-skill product and add it to your skill.

English

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Terms Docs Forums Blog

 Alexa Developer Home

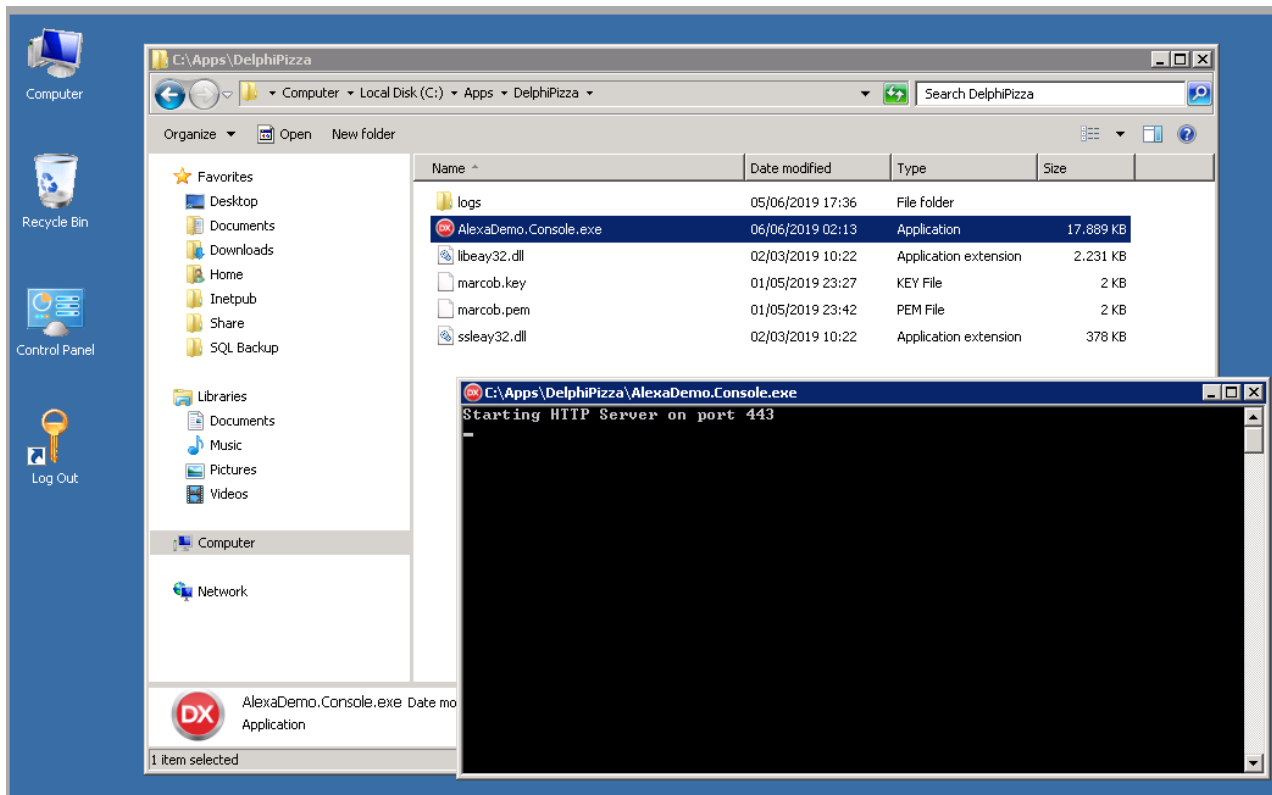
CHECKLIST

- Scegliere l'«Invocation Name» della skill
- Definizione di Intents, Samples and Slots
- Build Model per la costruzione del modello
- Configurare l'endpoint dell'API associata
- Definire eventuali In-Skill Products (prodotti all'interno di una skill che si vuole vendere per monetizzare)

TEST

[illegible]

DEPLOY



Q & A



That's all Folks!