Getting Started with Building Bots with Microsoft's Bot Framework v4

GETTING STARTED WITH THE BASICS

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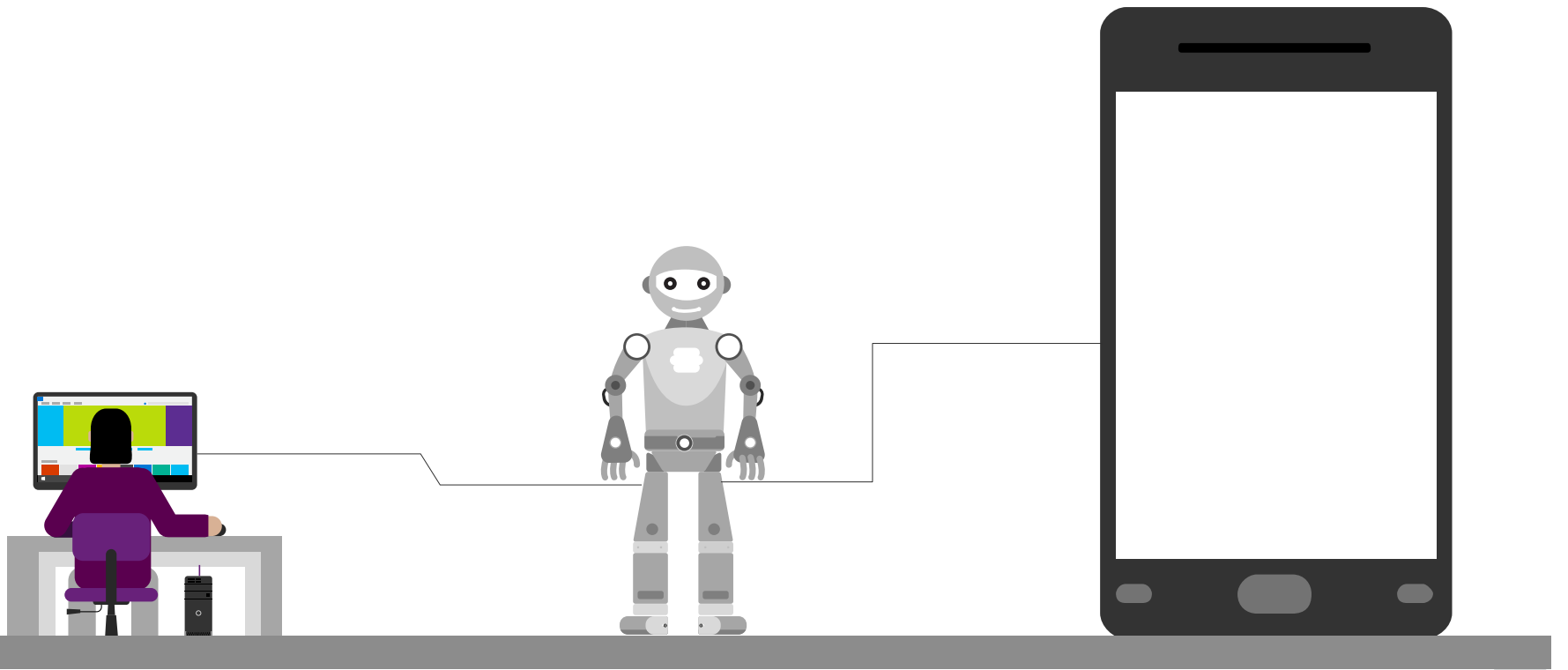
Agenda

What exactly is a bot?

Why should you want to learn about bots?

What is the Microsoft Bot Framework?

What has changed between v3 -> v4?

What Is a Bot?

Why Should I Care?

1990s: Email

- Faster
- More efficient
- Game changing

2000s: Mobile

- SMS
- Instant gratification
- More distributed

Now: Everywhere

- Smart speakers
- Multiple mediums
- Social media

Bot Communication

User

Channel

Bot

Channel

The medium in which your bot communicates

Bot Evolution

One Medium

Keyword Based

Multiple Mediums

Custom Messaging

Keyword Based

Natural Language

Custom Messaging

Multiple Mediums

Simplest

Moderate

Hardest

EASY

Microsoft Bot Framework

Tools and Libraries for building bots

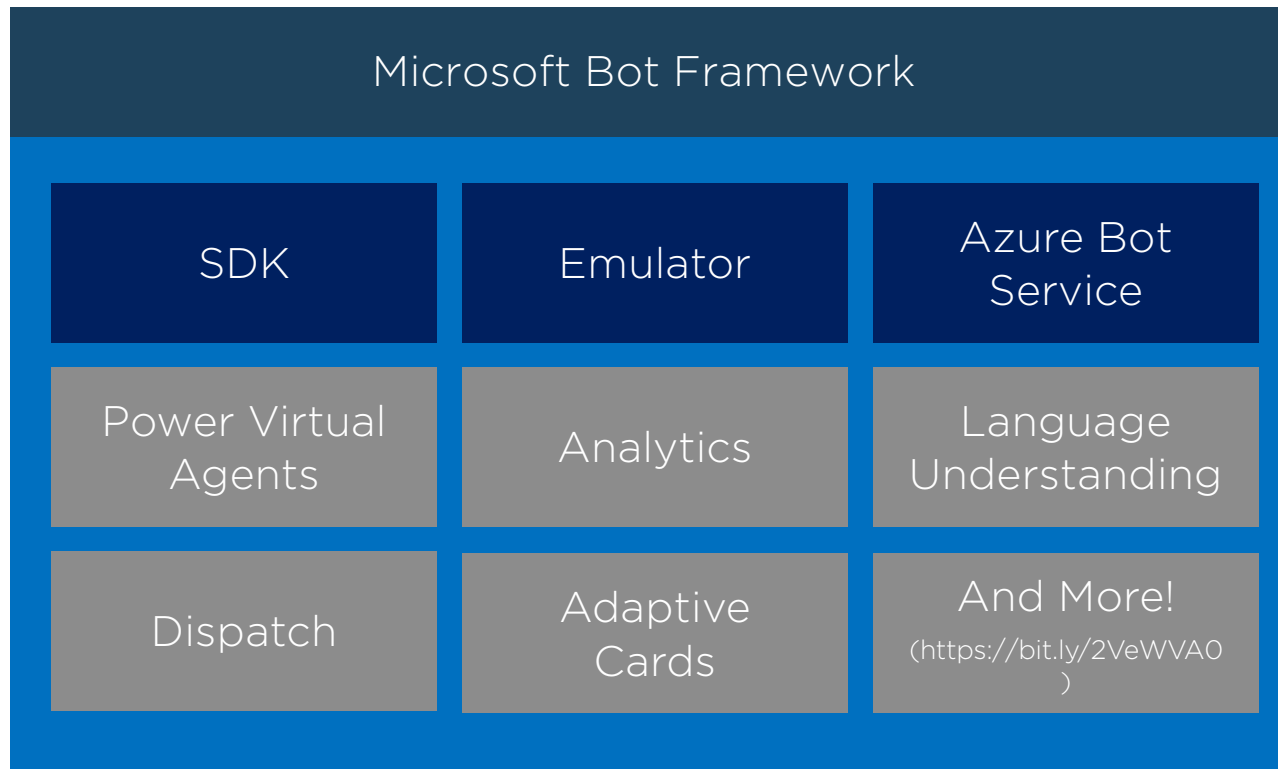**Introduced at *Build 2016***

Microsoft Framework SDK (V4)

Multiple channels
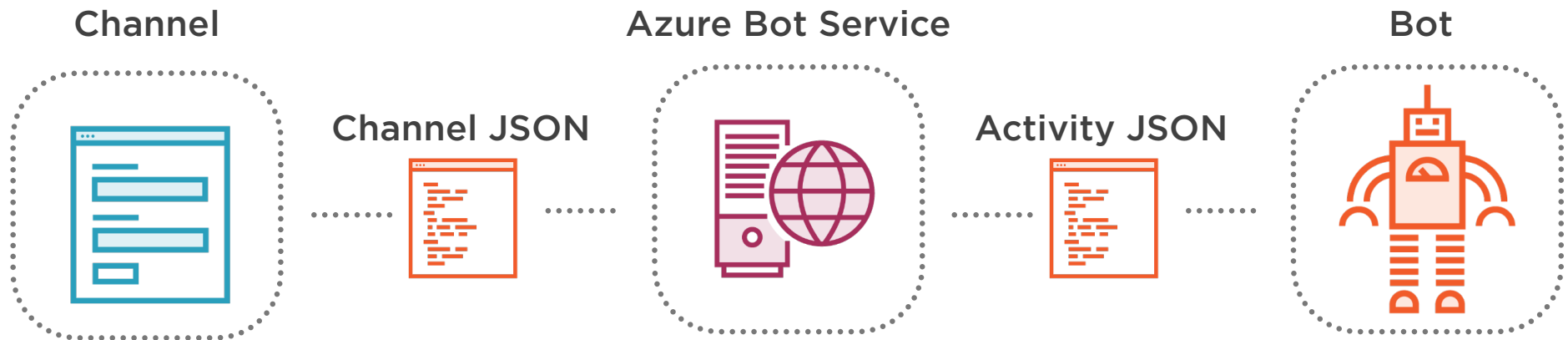
Rich attachment support

Natural language processing

What's in the Framework?

Microsoft Bot Framework		
SDK	Emulator	Azure Bot Service
Power Virtual Agents	Analytics	Language Understanding
Dispatch	Adaptive Cards	And More! (https://bit.ly/2VeWVA0)

Azure Bot Service and Activities

Channel

Channel JSON

Azure Bot Service

Activity JSON

Bot

V3 vs. V4

Allow for more developer flexibility

More control -> Less intuitive

What changed?
- State management
- New Dialogs
- New Feature – Bot Adapter
- ASP.NET Core support

Summary

What exactly is a bot?

Why should you want to learn about bots?

What is the Microsoft Bot Framework?

Azure Bot Service and Activities

What has changed in V4?