



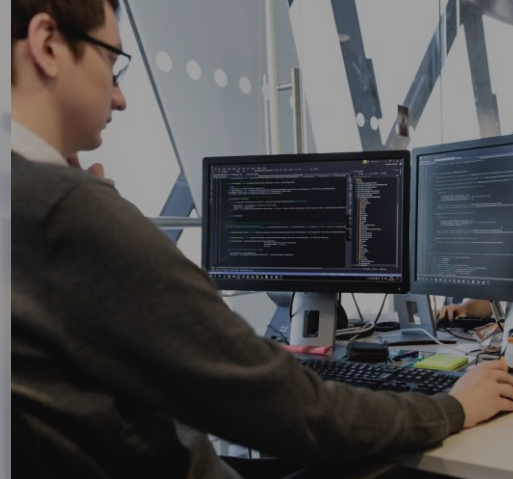
AI-100T01A

**Module 05: Enhance
your Bot with LUIS**



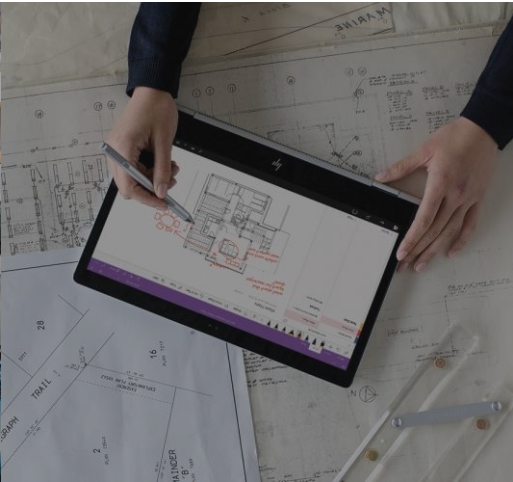
Agenda

- Introducing Language Understanding in AI
- Integrate LUIS and a Bot
- Lab: Integrate LUIS with the Bot



Lesson 01

Overview of Language Understanding in AI Applications



Lesson Objectives

- L01 – Introduce Language Understanding in AI Applications
- L02 – Understand the Connection Points for LUIS and Bots

Introduction

- Connecting your bot to a LUIS application can provide the bot with the ability to understand language.

Accessing your LUIS App

Publishing complete. Refer to the list of endpoints to access your endpoint URL.

Keys and Endpoint settings

Application Information

Keys and Endpoints

Publish Settings

Versions

Collaborators

Authoring Key

Endpoint Keys

Selections here will change the URL endpoints in the table below. The URL endpoint uses these selections when constructing the JSON response.

URL referencing slot: Production

Bing spell check: Disabled

Include all predicted intent scores: Enabled

+ Assign resource

Resource Name	Region	Time zone	Key 1
Starter_Key	westus	GMT-6:00	1e6901

Application Information

Application ID

Display Name (Required)

PictureBotLUIS

Description

A LUIS app for a Bot

Culture: en-us

Make this app public so that non-contributors can query this app with a valid key. Public

Integrating LUIS and a Bot

Visual Studio application uses appsettings.json file.

```
{  
  "botFileSecret": "",  
  "botFilePath": ""  
}
```

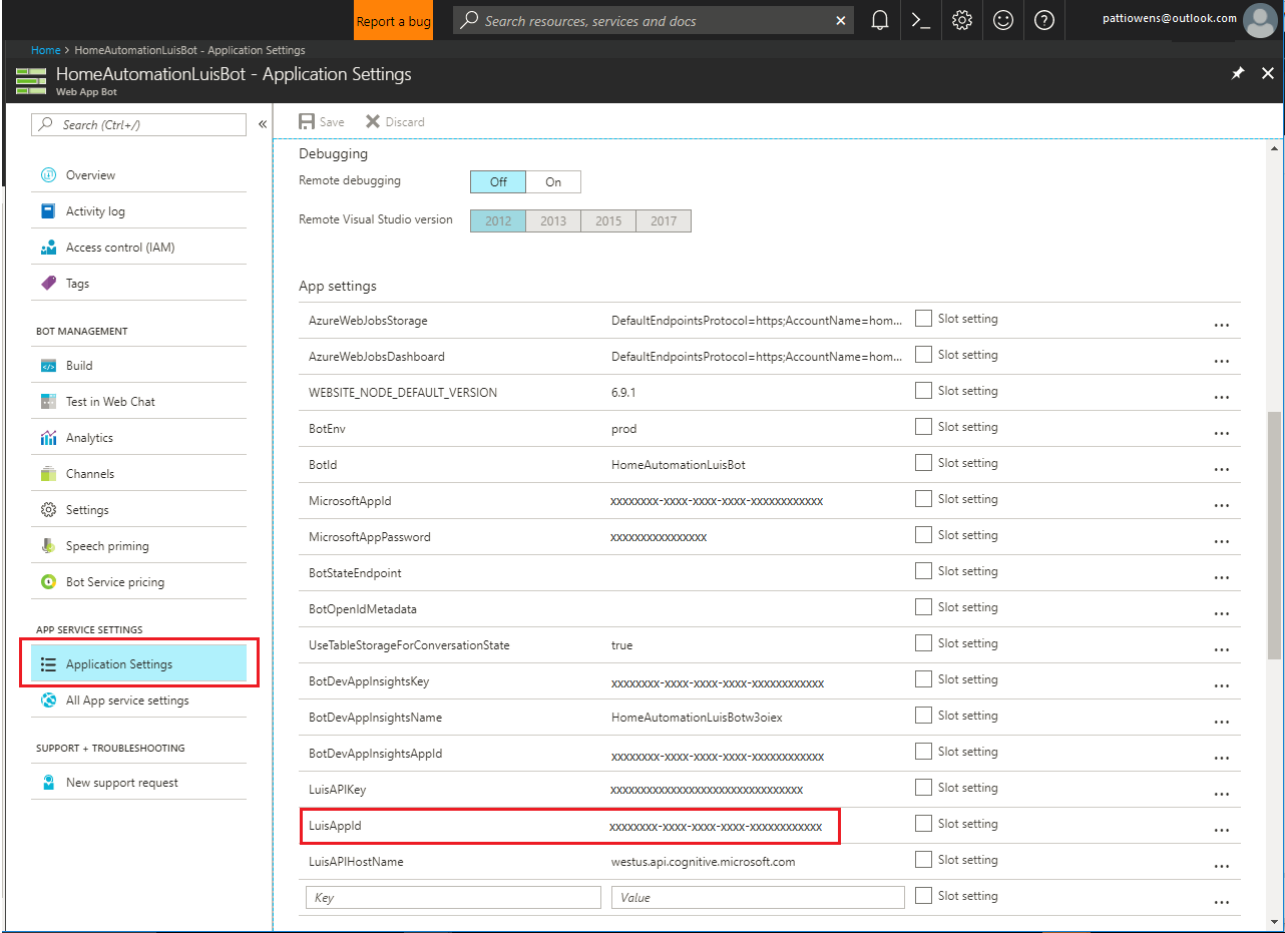
Application settings

Application Settings are encrypted at rest and transmitted over an encrypted channel. You can choose to view or edit settings in the browser by using the controls below.

Hide Values Show Values

APP SETTING NAME	VALUE	SLOT SETTING
AzureWebJobsDash...	DefaultEndpointsProtocol=https;AccountNam...	<input type="checkbox"/>
AzureWebJobsStorage	DefaultEndpointsProtocol=https;AccountNam...	<input type="checkbox"/>
botFilePath	./AI_Simple_Chat_Bot.bot	<input type="checkbox"/>
botFileSecret	45X0LxZeNX+vcoRskhvy/LHOJXBQc+zo9NwK...	<input type="checkbox"/>
WEBSITE_NODE_DEF...	8.9.4	<input type="checkbox"/>

+ Add new setting

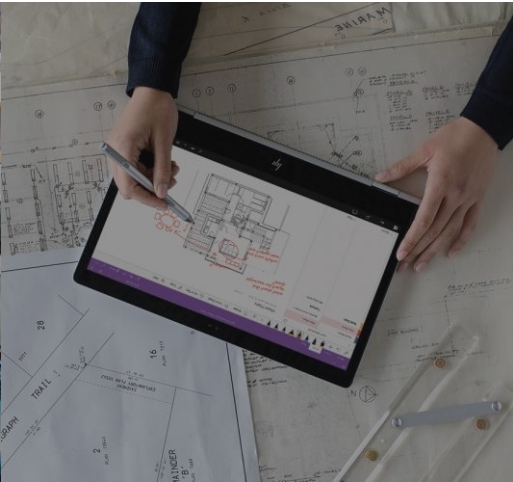


Integrate LUIS with web bot



Lesson 02

Integrating LUIS with a Bot



Lesson Objectives

- L01 – Guided Walkthrough, Integrate LUIS and a Bot

Walkthrough – Integrate LUIS and a Bot

Lab 7: Integrate LUIS into Bot Dialogs



Lab Objectives

- Add LUIS to your C# Code
- Add LUIS to the PictureBot Dialog
- Test the LUIS Service

Lab Scenario

- Our bot is now capable of taking in a user's input and responding based on the user's input. Unfortunately, our bot's communication skills are brittle. One typo, or a rephrasing of words, and the bot will not understand. This can cause frustration for the user. We can greatly increase the bot's conversational abilities by enabling it to understand natural language with the LUIS model we built

Module Summary >

In this module, you have learned about:

- Language Understanding in an AI Setting
- Connection Properties for LUIS and Bots
- How to Integrate LUIS and Bots

Next steps >

After the course, consider exploring the scenarios and case studies on the LUIS documentation pages on Microsoft's Azure Web Site.

