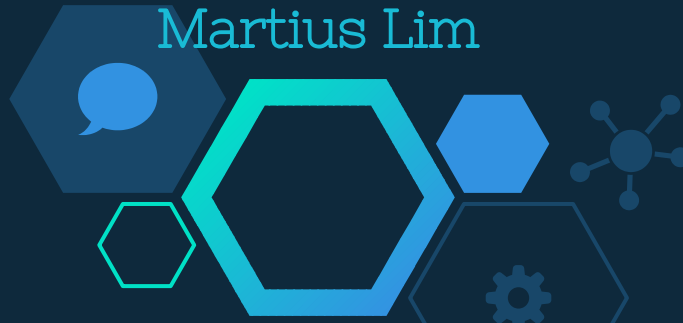




Build-a-Bot Workshop

Martius Lim





Agenda

- ◇ Bots!
- ◇ Setup
- ◇ Mission on Mars
- ◇ Deployment



A decorative pattern of hexagons in various shades of blue and cyan on the left side of the slide. Some hexagons contain icons: a lightbulb, a thumbs up, a smartphone, a magnifying glass, a gear, and a speech bubble. A network icon is also visible.

1

Bots!



Some cool bots



SGBusUncle

Bus timings and
general information
on buses



Poncho

Weather forecasts,
horoscopes and
more



A decorative graphic on the left side of the slide. It features a large central hexagon with a blue-to-teal gradient, containing the number '2'. Surrounding this central hexagon are several smaller hexagons of varying shades of blue and teal. Some of these smaller hexagons contain white icons: a lightbulb, a thumbs-up, a smartphone, a magnifying glass, and a gear. There is also a network-like icon with a central node and radiating lines, and a speech bubble icon.

2

Setup



Software

- ◇ Node.js
- ◇ Microsoft Bot Framework Emulator
- ◇ Visual Studio Code (or any other text editor)
- ◇ Git (for deployment & continuous integration)





Subscription/ Accounts

- ◇ Microsoft Imagine
- ◇ Microsoft Azure
- ◇ Github






Microsoft Imagine

- ◇ Use a personal Microsoft email or create a new one
- ◇ Log on to <https://imagine.microsoft.com/>
- ◇ Verify your account using your SMU email





Microsoft Technologies Documentation Resources Sign in

Microsoft Imagine Account Downloads Code Compete About Blog

Student Account

By creating a Microsoft Imagine student profile, you can access developer tools, resources, contests and more.

Step 1

Create a Microsoft Imagine profile >

Why sign up for Microsoft Imagine?

Create your student account and verify your student status to download the same tools and products used by professional developers.

Why verify as a student?

Microsoft Imagine software benefits are only available for current full-time students. Please verify with your school-issued email address, a special activation code, or with your [ISIC card](#).

Hello, Martius

Edit

Step 2

Account Status


Please verify your student status

First name Last name

Martius Lim

School

Singapore Management University



Microsoft Technologies Documentation Resources

Microsoft Imagine Account Downloads Code Compete About Blog

Student Verification

Verify your student status

Verified students get full access to all our software and services at no cost. You can re-verify your status every year as long as you're a student. See [benefits](#) for more information.

School email address

Enter your school email address. If your school is in our database, we will email you a verification link.

*Indicates required information

School email address*

School email address

Re-enter school email address*

Re-enter school email address

Submit



Microsoft Azure

- ◇ Use the non-SMU email that you used for MS Imagine to log on to <https://portal.azure.com/>
- ◇ Add new Subscription (key icon on the left)
- ◇ Select Microsoft Imagine



Microsoft Azure

☰

+ New

- Resource groups
- All resources
- Recent
- App Services
- Virtual machines (classic)
- Virtual machines
- SQL databases
- Cloud services (classic)
- Security Center
- Subscriptions**
- Azure Active Directory
- Monitor
- Billing
- Help + support
- Azure Advisor

More services >

Step 1

Microsoft Azure Subscriptions

Subscriptions martiuslimoutlook (Default Directory)

Step 2

+ Add

Role ⓘ Status ⓘ

All All

Apply

Search to filter items...

SUBSCRIPTION	SUBSCRIPTION ID	MY ROLE	CURRENT SPEND	STATUS
--------------	-----------------	---------	---------------	--------

Microsoft Azure Add subscription

gabrielsohappy@outlook.com

Add subscription

Microsoft Azure

Step 3

SELECT AN OFFER

- Microsoft Imagine**
Students using Microsoft Imagine can get access to great Azure cloud services at no cost. Learn the clo and start building your projects today!
[Learn more](#)
- Free Trial**
Full access to all services. Explore any service that you want.
[Learn more](#)

A decorative pattern of hexagons in various shades of blue and cyan on the left side of the slide. Some hexagons contain icons: a lightbulb, a thumbs up, a network node, a smartphone, a magnifying glass, a gear, and a speech bubble.

3

Mission on Mars

<https://github.com/martiuslim/Build-a-Bot-Workshop>



Useful Links

- ◇ MS Bot Framework Documentation
 - <https://docs.botframework.com/en-us/>
- ◇ Some examples on github
 - <https://github.com/Microsoft/BotBuilder/tree/master/Node/examples>
- ◇ Technical FAQ (for troubleshooting)
 - <https://docs.botframework.com/en-us/technical-faq/>



A cluster of decorative hexagonal icons in various shades of blue and cyan. The icons include a lightbulb, a thumbs-up, a network node, a smartphone, a magnifying glass, a gear, and a speech bubble.

3

Deployment

Step 2

Marketplace

Everything



Web App

MARKETPLACE

See all



compute



networking



databases



Intelligence + analytics



Internet of Things



Enterprise Integration



Security + Identity



Developer tools



Monitoring + Management



Add-ons



Containers



Blockchain



RECENT



Cognitive Services APIs (preview)



Microsoft

Step 3

Step 1

Filter

Web App

Results

NAME	PUBLISHER	CATEGORY
Web App	Microsoft	Web + Mobile
Web App + MySQL	Microsoft	Web + Mobile
Web App + SQL	Microsoft	Web + Mobile
Web App On Linux (preview)	Microsoft	Web + Mobile
PHP Empty Web App	Microsoft	Web + Mobile
Node JS Empty Web App	Microsoft	Web + Mobile
Personal Web App	Microsoft	Web + Mobile
HTML5 Empty Web App	Microsoft	Web + Mobile
ASP.NET Starter Web App	Microsoft	Web + Mobile
ASP.NET Empty Web App	Microsoft	Web + Mobile
Express Web App	Microsoft	Web + Mobile
Azure Web Apps Analytics (Preview)	Microsoft	Monitoring + Manage...



Web App

* App name
yournamebot ✓
.azurewebsites.net

* Subscription
Azure Pass ▼

* Resource Group ⓘ
☒ Create new ☐ Use existing
yournamebot-res ✓

* App Service plan/Location
ServicePlan5a23b9f7-9b89(South ...) >

Application Insights ⓘ

martiuslim

App Service

Search (Ctrl+/)

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems

APP DEPLOYMENT

- Quickstart
- Deployment credentials
- Deployment slots
- Deployment options
- Continuous Delivery (Preview)

Deployment source

Set up deployment source

* Choose Source
Configure required settings >

Choose source

- Visual Studio Team Services
By Microsoft
- OneDrive
By Microsoft
- Local Git Repository
By Git
- GitHub
By GitHub
- Bitbucket
By Atlassian
- Dropbox
By Dropbox
- External Repository

Step 1 (points to Deployment options)

Step 2 (points to Choose Source)

Step 3 (points to GitHub)



Deployment source

Set up deployment source

* Choose Source

GitHub

>

* Authorization

martiuslim

>

* Choose project

Build-a-Bot-Workshop

>

* Choose branch

master

>

Performance Test

Not Configured

>

i

Click here if you are having trouble seeing your repositories.

Choose project

Build-a-Bot-Workshop

