Web Development: Module 2, Lesson 7  
Deploying to Azure Hands-On Lab

## Overview

Building on [Module 2 Lesson 7](https://github.com/MSFTImagine/computerscience/tree/master/Complimentary%20Course%20Content/Module2/Lessons), it's time to make the application public. This application will be a huge success. For this reason, we need a scalable solution which start small and cheap but rev up as the traffic increases. Which leads to deploying to the cloud.

## Objectives

In this hands-on lab you will learn how to:

* Learn how to use Azure CLI tool
* Prepare your project for deployment
* Deploy your project to cloud

## Prerequisites

The following are required to complete this hands-on lab:

* A text editor
* Windows PowerShell, Mac Terminal, or some other shell with node.js and npm installed
* Completion of all [Module 2 Lessons](https://github.com/MSFTImagine/computerscience/tree/master/Complimentary%20Course%20Content/Module2/Lessons) as well as the [Module 2 Lessons 2, 4 and 6 Labs](https://github.com/MSFTImagine/computerscience/tree/master/Complimentary%20Course%20Content/Module2/Labs).

## Exercises

This hands-on lab includes the following exercises:

* Exercise 1: Installing Azure CLI and Deploying a web app

## Exercise 1: Installing Azure CLI and Deploying a Web app

In this exercise, you will use npm to install the Azure CLI. You will use the Azure CLI to deploy the hello world app developed in [Module 2 Lesson 7](https://github.com/MSFTImagine/computerscience/tree/master/Complimentary Course Content/Module2/Lessons) (be sure to refer to lesson 7 throughout this lab).

1. Open a shell and enter the command

npm i -g azure-cli@0.10.1

1. Log in to Azure CLI using the command

azure login

1. Prepare your project by initializing package.json with all the necessary information
2. Create a web.config file (optional).
3. Create Azure Site (app) with --git (or add Git remote manually)

azure site create –git {appname}

1. Get your Azure Git and FTP deploy password (if you don't have it already) through the Azure portal
2. Put Azure Storage env vars into this app's cloud settings (AZURE\_STORAGE\_ACCOUNT and AZURE\_STORAGE\_ACCESS\_KEY)

azure site appsetting list

azure site appsetting add NODE\_ENV = production

1. Add code to the local repository and deploy by pushing code to Azure

git push azure master

## Summary

In this hands-on lab, you learned how to:

* Learn how to use Azure CLI tool
* Prepare your project for deployment
* Deploy your project to Azure