## McKesson Assignment 05 Deep Azure

## 

### Handed out: 11/09/2017 Due by 11:59 PM, midnight (CST) on Thursday, 11/16/2017

You can do this assignment on your PC, Mac, Linux on Windows or Linux VM. Tell us which environment you are using. Implementation of this assignment will require some light reading of Azure literature on the Internet. Test of the assignment refers to CLI. You are welcome to use Power Shell if that is more convenient for you.

**Problem 01.** Using Azure CLI deploy provided Azure Resource Manager (ARM) template azuredeploy.json to an existing resource group. Verify that the deployment took place. Do not delete the resource group, yet.

(20%)

**Problem 02**. Again, consider attached template azuredeploy.json. Use Visual Studio Code tool to add tags to resources contained in this deployment template. The most appropriate tags would be ones that identify you as the owner of the resource. Similarly, add locks to you resources so that they could not be deleted by accident. While experimenting with Visual Studio Code demonstrate for use its power to autocomplete.

Deploy modified template to a new resource group. Verify that deployment took place.

(20%)

**Problem 03**. Using Azure CLI demonstrate that you find and display properties of resources based on their tag value.

(20%)

**Problem 04**. Remove all resource groups created in this assignment using Azure CLI. Please use CLI to show that you have no resources left.

(5%)

**Problem 05.** Implement a Docker container running a Tomcat server and displaying a single HTML page with your name and the current date. Demonstrate that you can see that Web page on port 9090 of the running Tomcat container. Describe the process of building the container fully. Please upload your new image into the Docker Hub. Remove your local container and the local copy of the image and demonstrate that you could instantiate new container by pulling your image from the hub. Demonstrate that on that new container instantiated after the pull from the hub you can still see your Web page.

(35%)

SUBMISSION INSTRUCTIONS:

Your main submission should be a MS Word or PDF document containing descriptions of your action while configuring Azure services. If your MS Word document is larger than 1 MB, save it as a MINIMIZED PDF. Please be merciful and capture small JPGs. Describe the purpose of every action and the significance of the results. Start with the text of this homework assignment as the template. Please add any other files that you might have used or generated. Please write your solution as if you are writing a tutorial for your colleagues. Please make your text readable. Make sure that your fonts, especially in captured images are not unreadable. Please do not provide ZIP or RAR or any other archives. Canvas cannot open those archives and they turn into a nuisance for us.