**BAIT3273 Tutorial 12**

**Azure Policy**

• Policy vs RBAC

• Policy definition

**Instructions**

• Please use this document to answer all the questions in this tutorial.

• Rename the file with your student code and tutorial group number. For example, 1909846-BAIT3273-S1-2020-Tut1-RDSG01 with RDSG01 as your respective programme and group number. Besides, replace *XXXXXXXX* at the header with your student code.

• Every student must submit this doc individually at the end of the tutorial to google classroom.

**Task 1: Define IT compliance with Azure Policy**

Planning out a consistent cloud infrastructure starts with setting up policy. Your policies will enforce your rules for created resources, so your infrastructure stays compliant with your corporate standards, cost requirements, and any service-level agreements (SLAs) you have with your customers.

**Azure Policy** is an Azure service you use to create, assign and, manage policies. These policies enforce different rules and effects over your resources so that those resources stay compliant with your corporate standards and service level agreements. Azure Policy meets this need by evaluating your resources for noncompliance with assigned policies. For example, you might have a policy that allows virtual machines of only a certain size in your environment. After this

policy is implemented, new and existing resources are evaluated for compliance. With the right type of policy, existing resources can be brought into compliance.

Imagine we allow anyone in our organization to create virtual machines (VMs). We want to control costs, so the administrator of our Azure tenant defines a policy that prohibits the creation of any VM with more than 4 CPUs. Once the policy is implemented, Azure Policy will stop anyone from creating a new VM outside the list of allowed stock keeping units (SKUs). Also, if you try to update an existing VM, it will be checked against policy. Finally, Azure Policy will audit all the existing VMs in our organization to ensure our policy is enforced. It can audit non-compliant resources, alter the resource properties, or stop the resource from being created.

1.a

• Distinguish the different between **Azure policy** and **RBAC**.

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| Answer: |

• Give the 3 steps to create a policy in Azure.

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| Answer: |

• What is a policy definition?

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| Answer: |

**Task 2: Working with Power Shell**

2.

• Use the Power Shell command-line to identify the resources in your resource group that are non-compliant to the policy assignment.

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| Answer: |

• Use the Power Shell command-line to remove a policy definition.

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| Answer: |