# Instructions for using Azure Portal to deploy Azure IaaS development VM

1. Sign into the Azure Portal:

<http://portal.azure.com/>

1. Click on + **New** to open the marketplace search engine, enter **resource group** and hit enter. Select **Resource group**, then click on **Create**. Enter all required properties to create the resource group and make sure that the **Resource group location** is the same as the location used to create PaaS resources for the hackathon:

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1. Click on **Resource groups** and select the resource group that was just created. There should not be any resources to display. Click on **Create resources**, then click on **Create**.

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1. The marketplace search window will open. The bread crumb trail at the top of the portal shows the name of the resource group the new resource will be added to. Enter **Power BI Report Server** and hit enter. Select **Power BI Report Server (May 2017 Preview)**, then click on **Create**. Enter all required properties to create the SQL Server logical server, the resource group and location should be populated based on the resource group selected:

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1. Enter VM Name, User name, Password and Select **Tabular** for the AS server Mode. The resource group should already be set:

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1. There is no charge for any of the software, but compute and storage charges will be made based on the **Virtual machine size** selected. To see all of the VM sizes available, click on **View all**. In the example, a DS3\_V2 image that supports the use of premium storage and has 4 cores with 14 GB of RAM is selected. All other values show are default values generated by the template:

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1. Review the validation results and purchase to complete the provisioning of the VM. A tile displaying the progress of the VM deployment will be added to the Azure Portal Dashboard.

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1. Review the Resource Group, the VM and 6 other resources should be listed, click on the VM name to launch the Virtual machine **Overview** blade:

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1. Click **Connect** and save the remote desktop connection file. Open the remote desktop connection file to connect to the VM. Enter the user name and password specified in **Step 5**, the external IP address is added automatically to the connection file:

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1. Open SQL Server Data Tools (SSDT) and apply updates if they are available.
2. After logging into the VM using remote desktop, open Internet Explorer and navigate to the SQL Server Management Studio (SSMS) download page. Download and install **SQL Server Management Studio 17.1** or greater.

<https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms>

1. Once SSMS 17.1 is installed and SSDT is updated, the VM is ready for the hackathon. **IMPORTANT** - If the VM is not going to be actively utilized, make sure to **Stop** the VM after logging of the remote desktop session. In addition, **Auto-shutdown** can be configured for the VM to automatically shutdown the VM at a scheduled time as a failsafe:

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