THE UNIVERSITY OF SYDNEY

School of Information Technologies
A/Prof Uwe Roehm

COMP5349: Cloud Computing **2.Sem./2017**

Week 2: Microsoft Azure Tutorial

16.03.2017

Welcome to the first Lab in COMP5349

Welcome to the first tutorial in COMP5349 - Cloud Computing. The tutors will at the beginning run through the organisation of this class and also remind you to think about team forming for the upcoming two practical assignments.

Question 1: Homework Submission and Demo

By the end of this tutorial, everyone should have submitted their solution for last week's homework about the MapReduce simulator in our eLearning site. Please submit your complete solution as a ZIP archive. You find the submission link in the sidebar on the left under 'Assignments' - 'Homework Week 1: Map/Reduce Simulator'.

The tutors will be available for individual feedback and questions on this task, and if needed also ask for individual code demonstrations.

Question 2: Login in to Microsoft Azure and Requesting a VM Instance

Throughout some parts of our tutorials and assignments, we will be using Microsoft Azure this year in our labs. This week, we will just check that our logins are working, familiarise us with the management console of Azure and start a first virtual machine instance in the cloud as a test. As part of this course, we have applied for a Microsoft Azure academic pass for every student. As a student in COMP5349, you are entitled to have a 6 month, USD 100/month Microsoft azure pass. The login details and individual pass codes have been send to you by private email to you University email address.

How to start a virtual machine on Azure is explained in this online video tutorial:
`https://channel9.msdn.com/Blogs/Windows-Azure/Create-Linux-Virtual-Machine-Azure`

If you prefer written instructions, there is also a step by step instruction with screenshots:
`https://azure.microsoft.com/en-us/documentation/articles/virtual-machines-linux-tutorial-portal-rm/`

Please note that the current Azure platform supports two types of deployment modes: classic (the old one) and resource manager (the new one). Whenever you are asked to

choose between the two, always choose resource manager. The following is a good article describing the resource manager deployment mode and several related concepts:
`https://azure.microsoft.com/en-us/documentation/articles/resource-manager-deployment-model/`

While you work through this task, the tutors will go through the class and check that everyone has submitted this week's homework (see below) and also ask for any questions or a short code demonstration if needed.

Question 3: Terminate your Azure VM instance

Before leaving the lab, please remember to terminate your VM instance! The easiest way to remove all related resources is to delete the resource group attached to your VM. Note that any instance which you keep running after the lab still will accrue costs which will be deducted from your free credits for Azure (USD 100/month are free). Please be reminded that you are responsible for managing your own credit.