How to get a voucher for Azure.. (I)

• Create a gitlab repository on gitlab.ethz.ch (not gitlab.vis.ethz.ch)
• Name it “asl-fall17-project” and give us access to it
How to get a voucher for Azure.. (II)

• Have a Microsoft account: One that you can log in to Azure.
• Send that email address and your nethz ID to your TA.
• You will get an Azure voucher from your TA within a week.
Azure Tutorial

• 1. Send us your outlook.com e-mail
   -> Wait until we will give you a subscription.
• 2. Use the template script provided to create VMs
• 3. SSH into a server VM and install memcached and memtier
After we add you to a subscription, you will see this directory in you Azure portal:
Go to Cost Management. You should see the subscription:

<table>
<thead>
<tr>
<th>Name</th>
<th>Subscription ID</th>
<th>Offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kaan's Azure Sponsorship</td>
<td>01e126104-ee82-4d34-92b6-a1045d0d50c</td>
<td>Azure Sponsorship</td>
</tr>
</tbody>
</table>
How do you check out your usage?
Go to this website: https://www.microsoftazuresponsorships.com/Manage

This is the real balance.
Use the template to create VMs

1. Launch Template Deployment on Azure.
2. Name for the VMs, network interface, vnet already given.
3. Generate a public SSH key and copy it to the template.
4. Put in your nethz (it will be used as unique DNS name and admin username).
5. Give an admin password.
Use the template to create VMs
Use the template to create VMs
Use the template to create VMs

3.

[Image of a user interface showing a section titled 'Custom deployment' with options to 'Learn about template deployment', 'Build your own template in the editor', 'Common templates', and 'Load a GitHub quickstart template'.]
4. Use the template to create VMs

- Copy & Paste the provided template.
- Copy public ssh key.
- Write a unique string for the DNS name. This will also be your user name on the machine.
Use the template to create VMs

5. Write a random resource group name
   Select West Europe.
Use the template to create VMs

6.

**Custom deployment**

**SETTINGS**

- **Virtual Machines name**: fora1svm
- **Virtual Machines admin Password**: **********
- **Network Interfaces name**: MyNetworkInterface
- **Virtual Networks testeth_vnet name**: MyVNet
- **Key**: ssh-rsa AAAA3B3NzXyC2EAAAAADQQBAABAOQDiJhj/kmC0mZq9RoC3OeXOwCr ...
- **Uniquedns**: knara_ethz

**TERMS AND CONDITIONS**

By clicking "Purchase," I (a) agree to the applicable legal terms associated with the offering; (b) authorize Microsoft to charge or bill my current payment method for the fees associated the offering(s), including applicable taxes, with the same billing frequency as my Azure subscription, until I discontinue use of the offering(s); and (c) agree that, if the deployment involves 3rd party offerings, Microsoft may share my contact information and other details of such deployment with the publisher of that offering.

- **I agree to the terms and conditions stated above**

Please fix the errors on this page before continuing.

- **Pin to dashboard**
- **Purchase**
Use the template to create VMs
Don’t forget to stop the VMs, when not running experiments!!!

<table>
<thead>
<tr>
<th>NAME</th>
<th>TYPE</th>
<th>STATUS</th>
<th>RESOURCE GROUP</th>
<th>LOCATION</th>
<th>MAINTENANCE</th>
<th>SUBSCRIPTION</th>
</tr>
</thead>
</table>
| foralvms1 | Virtual machine | Running | MyResourceGroup | West Europe |             | Kaan’s Azure Sponsorship | **
| foralvms2 | Virtual machine | Running | MyResourceGroup | West Europe |             | Kaan’s Azure Sponsorship | **
| foralvms3 | Virtual machine | Running | MyResourceGroup | West Europe |             | Kaan’s Azure Sponsorship | **
| foralvms4 | Virtual machine | Running | MyResourceGroup | West Europe |             | Kaan’s Azure Sponsorship | **
| foralvms5 | Virtual machine | Running | MyResourceGroup | West Europe |             | Kaan’s Azure Sponsorship | **
| foralvms6 | Virtual machine | Running | MyResourceGroup | West Europe |             | Kaan’s Azure Sponsorship | **
| foralvms7 | Virtual machine | Running | MyResourceGroup | West Europe |             | Kaan’s Azure Sponsorship | **
| foralvms8 | Virtual machine | Running | MyResourceGroup | West Europe |             | Kaan’s Azure Sponsorship | **

Clients

MW

Servers
Connecting to the VM

DNS name for connecting to the VM: kiranetforvms1.westeurope.cloudapp.azure.com
SSH into a server VM

- sudo apt-get install memcached git unzip ant openjdk-7-jdk
- wget https://github.com/RedisLabs/memtier_benchmark/archive/master.zip
- unzip master.zip
- cd memtier_benchmark-master
- sudo apt-get install build-essential autoconf automake libpcre3-dev libevent-dev pkg-config zlib1g-dev
- autoreconf -ivf
- ./configure
- make
- sudo service memcached stop !!!

Starts memcached on port 11212

- memcached -t 1 -p 11211

Starts memcached on port 11212

- ./memtier_benchmark --server=10.0.0.11 --port=11211 --protocol=memcache_text --clients=1 --threads=1 --test-time=2 --ratio=0.1 --expiry-range=9999-10000 --key-maximum=1000 --hide-histogram