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

- Create a gitlab repository on gitlab.ethz.ch (not gitlab.vis.ethz.ch)
- Name it “asl-fall18-project” and give us access to it

Add all of us to the project as “Reporter”, so that we can check out the code.
How to get a voucher for Azure.. (II)

• Have a Microsoft account: One that you can log in to Azure.
• Fill out this web form by 30.09.2018: http://tiny.cc/vyzqyy
• After that we will create a lab in the Azure Education Hub and assign credit to you.

Azure Education Hub: https://aka.ms/startEdu
Azure Tutorial

• 1. Accept the Azure invitation for the lab, sent to your e-mail.
• 2. Use the template script provided to create VMs.
• 3. SSH into a server VM and install memcached and memtier.
How to get a subscription (I)

Go to Education Hub: [https://aka.ms/startEdu](https://aka.ms/startEdu)
You should see an invite to a new lab.
How to get a subscription (II)

After the lab is setup switch to the “Courses” tab. You should see a class.
Once you click on the class, you will see the lab you assigned to and the amount of credit assigned and consumed:
How to get a subscription (IV)

1. Go to
   https://portal.azure.com/#blade/Microsoft_Azure_Billing/ModernBillingMenuBlade/Subscriptions
2. Under subscriptions, check if the lab is there.
3. You will use this subscription when deploying VMs.
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 (I)

1.
Use the template to create VMs (II)
Use the template to create VMs (III)

4. Copy&Paste the provided template
Use the template to create VMs (IV)

5. Select subscription of the lab
Use the template to create VMs (V)

6.

[Image of the Azure portal with highlighted settings]

- **Virtual Machines name**: foradvmt
- **Virtual Machines admin Password**: ********
- **Network Interfaces name**: MyNetworkInterface
- **Virtual Networks testeth_netc_name**: MyVNet
- **Key**: ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAAADQJyik/rC0mZqIRXz2OeX0wCt ...
- **Uniquedns**: kika_ezh

**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 with 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**

[Error message]: Please fix the errors on this page before continuing.

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

DNS name for connecting to the VM: klan preforsvms1.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

Use Private IP address