

TCSS 562:
SOFTWARE ENGINEERING
FOR CLOUD COMPUTING

MS Azure Demo - II
Cloud Technology Sharing - II

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OUTLINE - 5/2


- Midterm Thursday 5/11
- Amazon class visit Tuesday 5/16
 - Please submit questions and presentation requests on daily surveys
- Technology sharing presentations
 - Please include slide numbers
 - Small notecards vs. reading slides
- Azure: imaging a VM
- Technology sharing: Amazon S3, ECS

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L10.2

AZURE IAAS
DEMO



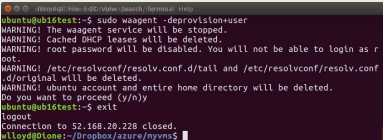
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L10.3

IMAGING A VM

- Detailed instructions:
<https://docs.microsoft.com/en-us/azure/virtual-machines/linux/capture-image>
- Need to generalize the VM
- Deprovision the VM using Azure VM agent
- This deletes files and data (temporary?)
- `sudo waagent -deprovision+user`
- Then exit out of the ssh session...



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L10.4

IMAGING A VM - 2

- Launch a second VM, use the command line to image the first
- Support for imaging Linux VM's from the UI --- ???
- From the other VM:

```
az vm list
az vm deallocate --resource-group myResourceGroup --name myVM
az vm generalize --resource-group myResourceGroup --name myVM
az image create --resource-group myResourceGroup --name myImage --source myVM
```

- Create a new VM from the image:

```
az vm create --resource-group myResourceGroup --name myVM2 --image myImage --admin-username azureuser --ssh-key-value ~/.ssh/id_rsa.pub
```

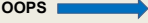
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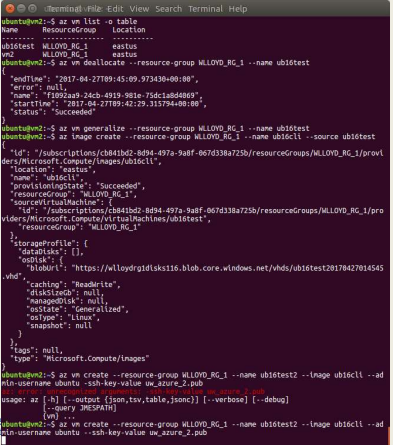
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L10.5

```
az vm list
az vm deallocate --resource-group myResourceGroup --name myVM2
az vm create --resource-group myResourceGroup --name myVM2 --image myImage --admin-username azureuser --ssh-key-value ~/.ssh/id_rsa.pub
```

OOPS





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L10.6

CONCLUSION

New VM Image works...
We've been able to install the CLI, relimage, relaunch, and now have a Ubuntu 16.04 VM with the Azure CLI Installed "out of the box" . . .

Need to Login to the CLI on the new VM

az vm list -o table -d

az login -u wllloyd@wlloydow.onmicrosoft.com


az vm list -o table -d

Name	ResourceGroup	PowerState	Location	PublicIps
ubitest1	WLL0VD_RG_1	VM deallocated	eastus	
ubitest2	WLL0VD_RG_1	VM running	eastus	40.71.249.110
ubitest3	WLL0VD_RG_1	VM running	eastus	52.179.10.206

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QUESTIONS



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L10.8