Exercise 3

Creative Computing
Network, Cloud & Communication Security

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Form teams of 2 students. Prepare and submit one protocol per group on the ecampus.

1. Register for an Azure for Students Account

To register an account, follow this link: https://portal.azure.com/#blade/Microsoft_Azure_Education/EducationMenuBlade/software and login with the UAS credentials. Follow the registration procedure.

2. Deploy a Webservice in Azure

Use your Azure Account to deploy a simple website on a Linux VM or via a Web App.

The website should display the current public IP address of the client (your Browsers IP Address). You can implement the website using a server-side or client-side technology of your choice (php, python, node.js, javascript,...) and deliver it using a web server of your choice (apache, nginx, ...).

To get the public IP address of the client on the client side use the API/website: https://www.ipify.org/ or eg.: $_SERVER in php (https://www.php.net/manual/en/reserved.variables.server.php) on the server side.
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When the service is up and running send an email to astnwt@fhstp.ac.at with the public ip or the dns name of your server and we will score the exercise.

Further reading:

- Launch vm instance
  - https://docs.microsoft.com/en-us/azure/virtual-machines/linux/quick-create-portal
- Use an Azure vm instance
  - https://docs.microsoft.com/en-us/learn/modules/create-linux-virtual-machine-in-azure/
- Installation of an apache webserver with php support
  - https://linuxize.com/post/how-to-install-php-on-ubuntu-20-04/
- Node.js
  - Nodejs on ubuntu: https://www.geeksforgeeks.org/installation-of-node-js-on-linux/

- Node.js Server on Azure App Service
  https://docs.microsoft.com/en-us/azure/app-service/quickstart-nodejs?tabs=linux&pivots=development-environment-azure-portal