CAH2018

DOCUMENTATION[Year]

$team name (tass67)

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# Setting up Alibaba ECS Instance

“Got something very important to point out to your readers? Use a sidebar to make it stand out.”

* Made an account on Alibaba Cloud
* Made an ECS instance using the tokens provided’
* Changed the VNC password and other details like instance name, VPN password.
* Allowed TCP/IP ports 80,443 for HTTP and HTTPS protocols via adding rules in security groups.

# Installing and Configuring L.E.M.P

* Installed NGINX
* Installed MySQL
* Installed and set up PHP-fpm server
* Configured ‘.conf’ file of NGINX

# Making a Chrome Extension

* Did the front-end styling part with css on HTML and PHP files.
* Made a chrome extension by making a JSON file (manifest.json)
* Added the codechef icon to the plugin.

# Code Architecture

* An HTML page(index.html) was created which redirects the user to PHP document (i1n.php)
* This PHP page authorises the app with the user's codechef account using oAuth 2.0.
* The authz code is redirected to another php file named i2n.php.
* This php file exchanges this code for the access token for the given scope.
* With this token and other config details the app makes the required api calls.
* The JSON obtained is thus displayed in the form of a dropdown.
* On clicking on the contents of the dropdown, the user will be redirected to the contest deatails on the respective codechef's website page.

# Hosting Files on the Server

* Uploaded required files via scp protocol
* Changed document root of nginx to the uploaded directory via ‘.conf’ file in ‘sites-available’ directory in ‘/etc/nginx’ directory.
* Made appropriate changes in the configuration files to allow the php script to run.
* Finally Restarted Nginx and Done!