

Cloud Development, 2021 fall. Homework 4

Report

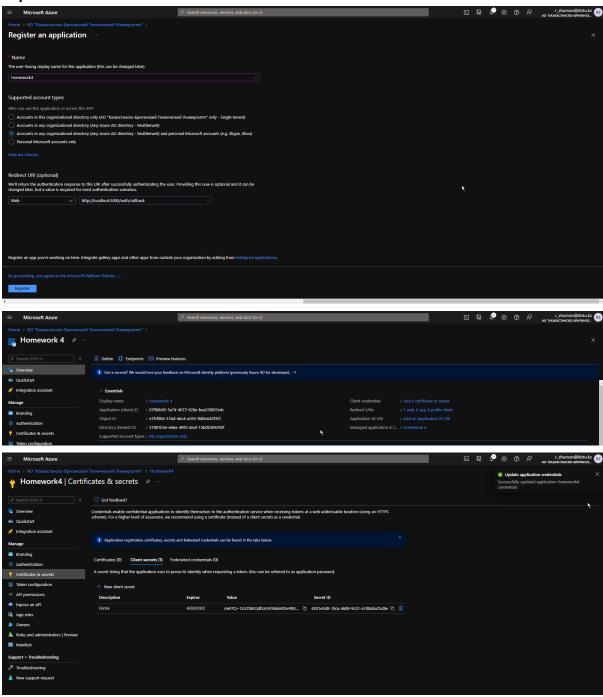
Microsoft Identity Platform

made by Zhuman Rakhat

Task

Develop a simple web application, allowing users to be authenticated by Microsoft Identity Platform. Information about current user identity (Full name, for example) has to by reflected on the page headers. Use Microsoft Graph SDK for simplicity. To reduce the amount of work, you can add the mentioned functionality to your existing site from previous homework. Additionally create a blob container, named "securedphotos" (in a Storage Account) with access to blobs allowed only to authenticated users. Your web application have to show images from this container to authorized users only.

Report



>> npx express-generator --hbs graph-tutorial

- >> npm install
- >> npm install express@4.17.1 http-errors@1.8.0 morgan@1.10.0 debug@4.3.1 hbs@4.1.2
- >> npm start
- >> npm install dotenv@10.0.0 date-fns@2.23.0 date-fns-tz@1.1.6 connect-flash@0.1.1 express-validator@6.12.1
- >> npm install express-session@1.17.2 express-promise-router@4.1.0 isomorphic-fetch@3.0.0
- >> npm install @azure/msal-node@1.3.0 @microsoft/microsoft-graph-client@3.0.0 windows-iana@5.0.2

```
const session = require('express-session');
lo const flash = require('express-session');
lo const flash = require('express-session');
location = require('express-session
```

Main Page

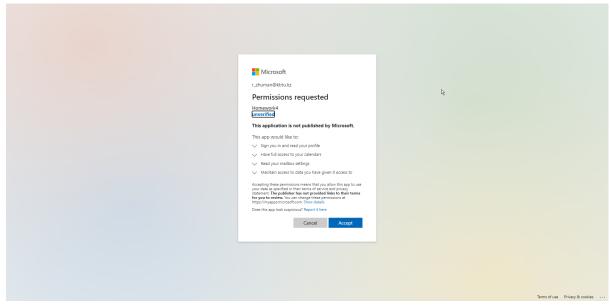
Homework 4 Graph

This sample app shows how to use the Microsoft Graph API to access a user's data from Node js

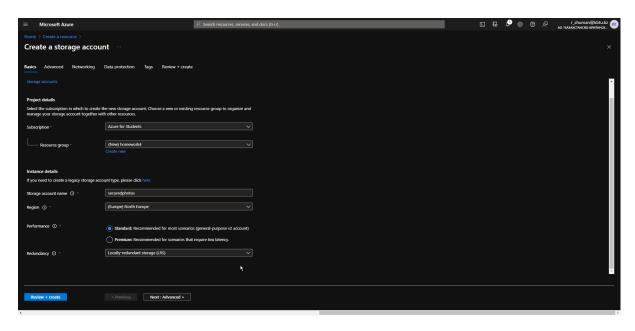
Click here to sign in

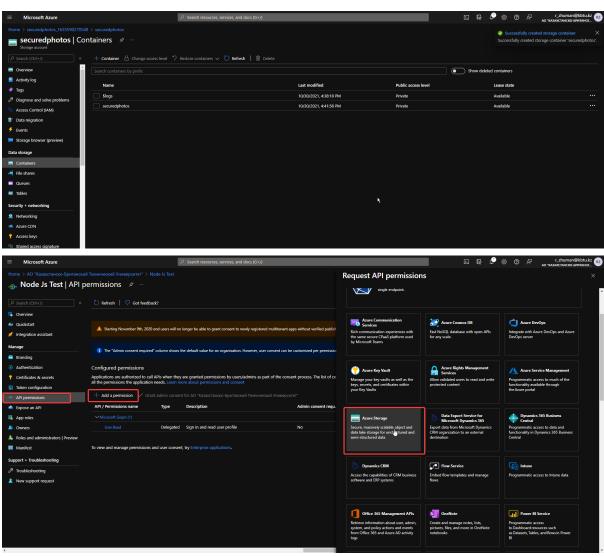
Msal config

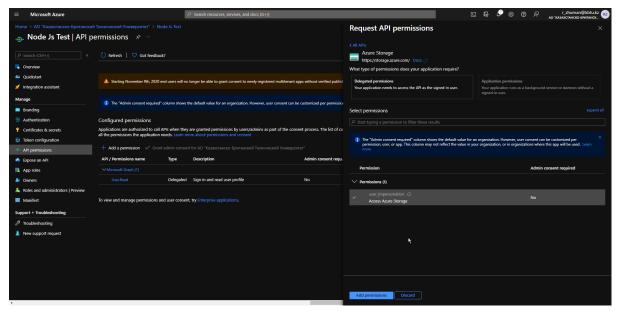
Routes











Images

```
const router = require('express-promise-router')();
const graph = require('-/graph.js');
const (body, validation');
const (retrieve ) = require('express-validation');
const (retrieve ) = require('-/blob.js');

router.get('/',
async function(req, res) {
if (lreps.sesion userie) {
    res.redirect('/')
} else {
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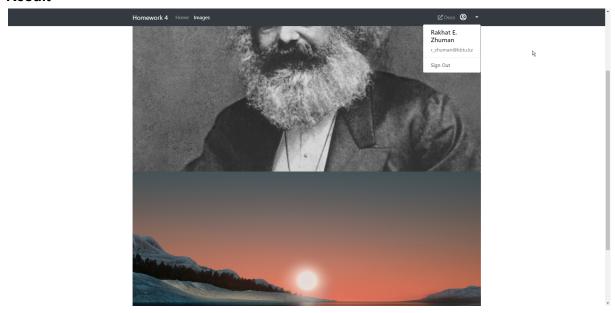
```
const ( DefaultArumcCredential, ManagedidentlyCredential ) = pequire('@azumc/identity');
const ( BlobServiceClient, StorageSharedkeyCredential ) - require('@azumc/identity');
const ( clientSerectCredential, ChainedCokercdential ) - require('@azumc/identity');
const ( getBiobSaulri ) = require('.finnctions');

// When an access token is requested, the chain will try each
// credential in order, stopping when one provides a token
// credential in order, stopping when one provides a token
const redential = new StorageSharedkeyCredential(process.env.ACCONIT, process.env.OAUTH_ABP_ID, process.env.OAUTH_ABP_SECRET);
const credential = new StorageSharedkeyCredential(process.env.ACCONIT, process.env.SECRET);
const defaultArumcCredential = new ManagedidentityCredential(userAssignedClientId)

const this of the storageSharedkeyCredential(userAssignedClientId)

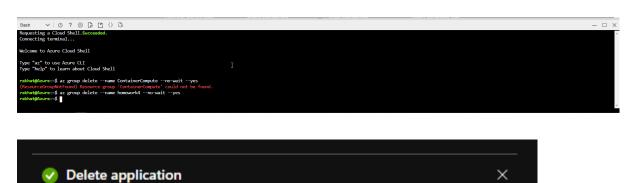
const containerImme = process.env.CONITAINER;
async function retrieve() {
const containerImme | limitation | limitation
```

Result



Cleaning up workspace

Successfully deleted application Node Js Test.



a few seconds ago