

NextAzure: A Nextcloud App Managing Azure Services

Students: *Athena Scarlett*

Instructor/Faculty: *Syedmasoud Sadjadi* Florida International University

PROBLEM

The task was to apply any Microsoft Azure REST API Service to be authenticated upon opening a Nextcloud App on a user's Nextcloud Dashboard. The Nextcloud app should allow the user to carry out methods such as get, add, or delete .

CURRENT SYSTEM

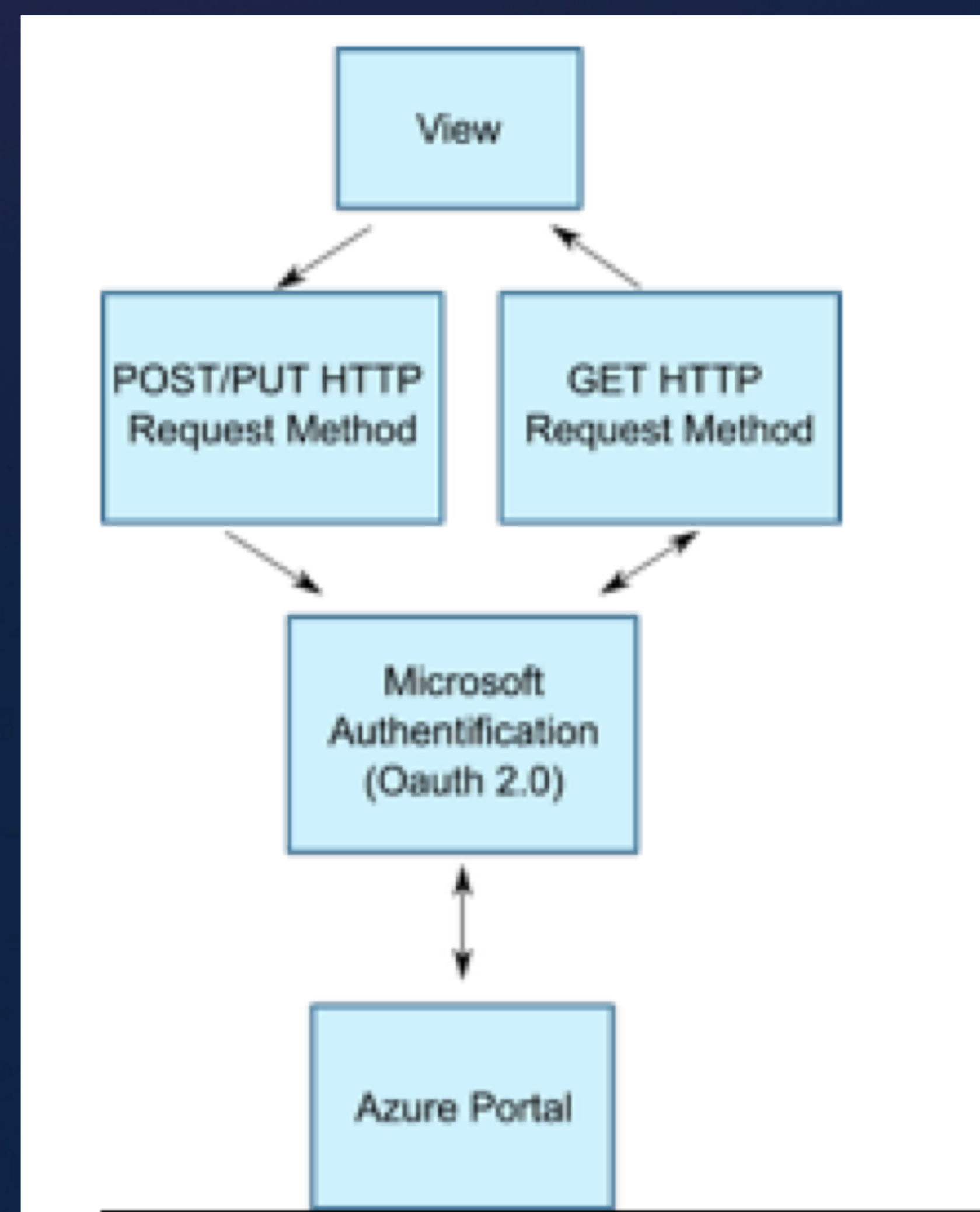
Our current system is a Nextcloud app named "NextAzure". Once the user clicks on the app they are taken to Microsoft's site to authenticate their credentials. Once they have done so they are now able to edit the the Virtual Machine Service, Database Service, and the Storage Account List.

REQUIREMENTS

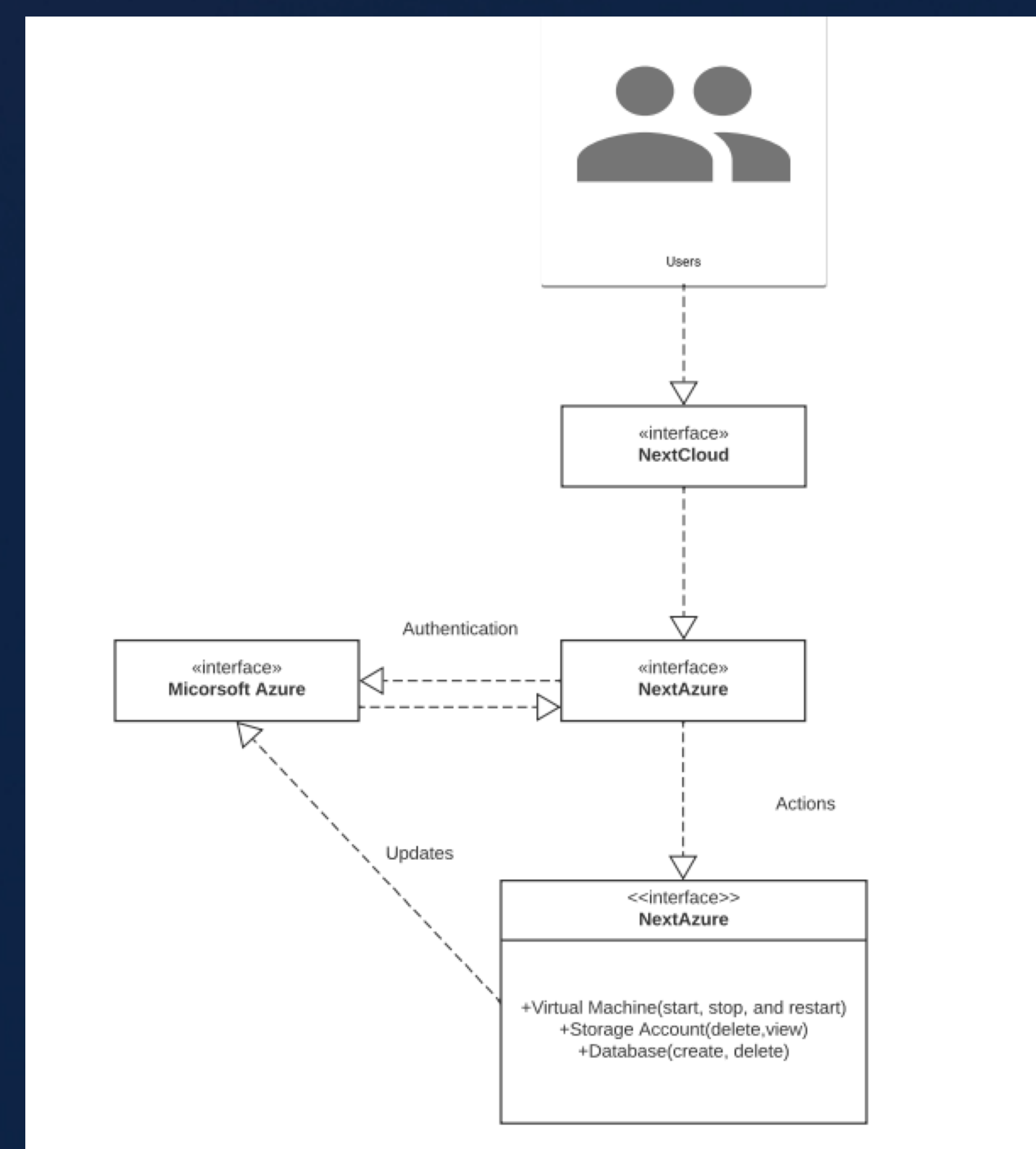
In order to use NextAzure the user must have the following:

1. Their NextCloud Dashboard set up.
2. The user must have an Microsoft Azure Account.

SYSTEM DESIGN



OBJECT DESIGN



VERIFICATION

This system only works if the user has a Microsoft Azure Account. By having this we are able to verify users and grant access to only those with accounts.



IMPLEMENTATION

SUMMARY

NextAzure is an application developed for NextCloud that allows users to interact with the Microsoft Azure portal from the Nextcloud website. Using Microsoft Azure's REST API, NextAzure can get information about users' services and applications from the Azure portal, send information about users' desired actions back to the Azure portal, and even allow users to create or delete their services and applications on the Azure portal.

ATTENTION: Subheadings shown above is a recommended structure for a research/scientific poster. Main elements of a poster are Introduction, Research and Conclusion. Researchers can customize the section headers based on their projects' needs. REMOVE THIS TEXT ONCE YOU START WORKING ON YOUR POSTER

ACKNOWLEDGEMENT

The material presented in this poster is based upon the work supported by XXXXX (name of the project sponsor: federal, state or local government, or corporate partners, where applicable). We/I thank XXXX for his/her/their assistance and mentorship that I/we received throughout the senior design project.