University of Pretoria
Software Engineering - COS 301

Amazon Dash User Manual

Contrapositives
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1 Amazon Dash Overview

Amazon Web Services provide on demand cloud computing services to all types of users, from individual people to companies. These services work on a pay-as-you-go basis; users pay for which servers and services they choose to use, and are able to discontinue a service at any point. The services provided are hosted and run in different regions around the world.

The Amazon Web Services Dashboard displays all the services that users are utilising, even if the service is not running at the time. Users can add or remove services at any time. However, the AWS dashboard is cluttered and difficult to navigate. This may pose a challenge to novice cloud-hosting users who may not know what services are best for what they need, and may not deploy services in the best manner which minimises the costs and maximises throughput. Another issue which the client may encounter is tracking down an existing service and the client can also be unsure of which region a particular service is deployed at.

The main objectives of Amazon Dash is to provides a view of all services currently running on the user's AWS account, and to allow the user to record metrics which will be used to ensure that the user is within their budget and to ensure that user's servers are always running optimally without overspending on bulky servers which are barely doing any work.

2   System Configuration

The restful API, the persistence layer (the Mongo database), and the user interface can be hosted separately or on the same server. The system can then be accessed by a computer with either a restful client or a JavaScript enabled web browser.
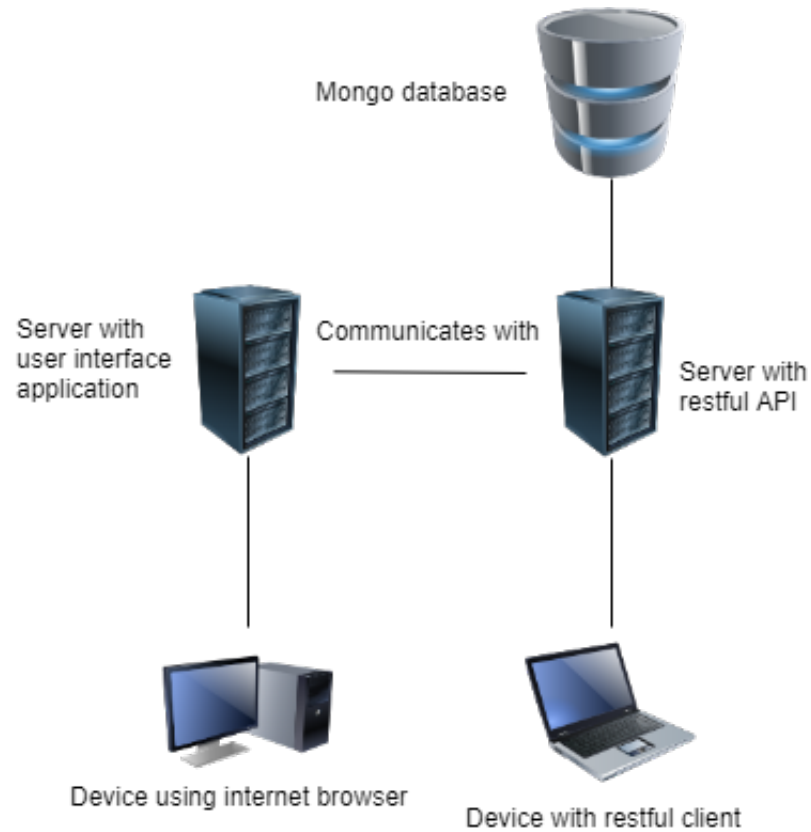
Figure 1: Amazon Dash System Configuration

2.1 Installation

Amazon Dash is a website, thus the software cannot be installed. The website can be found at: (insert link)

3 Getting started

3.1 Account Management

Should the user not have an AWS account, the user must first register an account. The user must create a username or userID, password, and provide their credit card number to create the account. Users can also decide on which payment plan they wish to use.
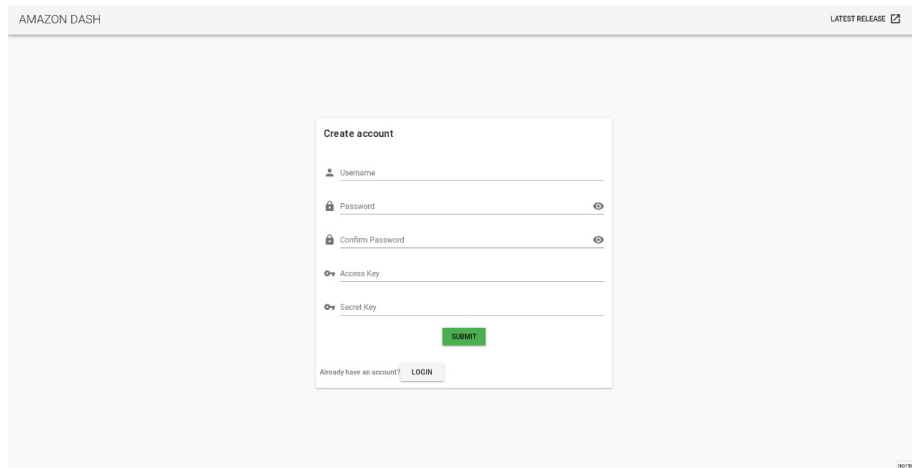

AMAZON DASH   LATEST RELEASE

Create account

👤 Username

🔒 Password   👁

🔒 Confirm Password   👁

🔑 Access Key

🔑 Secret Key

SUBMIT

Already have an account? LOGIN

normal

Figure 2: Register

After creating the account or if the user already has an account, the user can log onto the website by providing their userID and password on the login page. If a user wishes to change their userID or their password, the user must navigate to the "My Account" tab, then select "Account Settings", and then they will be able to change their userID and password.
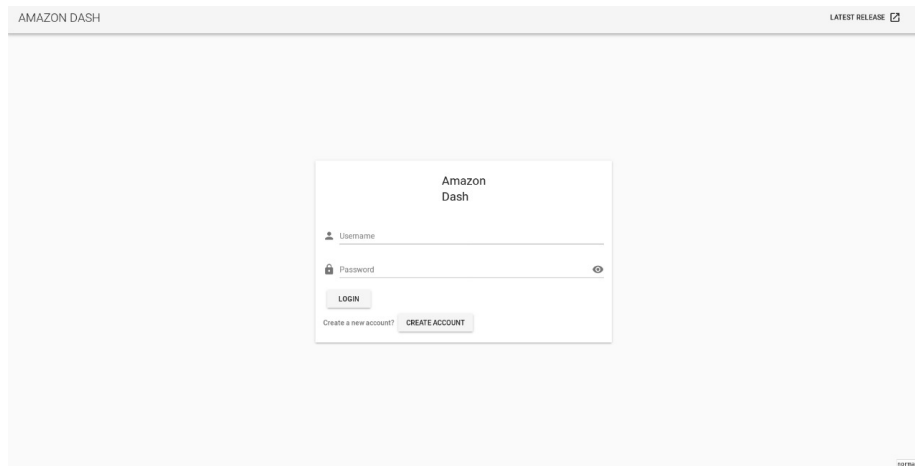
Figure 3: Login

4   Using the System

5 Troubleshooting

When the user attempts to login and fails to input the correct password or username, an error will occur and they will have to try to login again.

References

[1] Gouws, M. 2019, 'UP Project Templates-Amazon Dash-V1.2', Project proposal, Advance.