

# Administrative Interface



# PRAGMA Cloud Scheduler

HyoJeong Kang<sup>1</sup>, Minsun Lee<sup>1</sup>, Shava Smallen<sup>2</sup>

<sup>1</sup>Chungnam National University, <sup>2</sup>University of California - San Diego

## INTRODUCTION

## RESULTS

- PRAGMA Cloud Testbed is a distributed international infrastructure and has a web-based cloud scheduler reservation system to enable users to run the experiments using virtual clusters.
- The purpose of this study is to improve the following issues related to site and resource management in the cloud scheduler:
- First, resource administrators should be able to modify the resource attributes for their resources.
  - > Resource add permissions
  - Create resource & submit
  - > Modify resource & submit
- Second, resource administrators should be able to add a new resource as well.

#### **Resource add Form**



- Add four items for the resource add form total cpu, total memory, image\_type, network
- 1. Click the "More info" button on the resource you want to modify.
- The resource information you originally entered is called up and the information you want to modify is modified.

#### **Resource modify Form**





## **CONCLUSIONS**

- It is categorized the users into three groups, Admin, Resource-Admin and User, depending on their authority.
  - Admin can manage and use the entire resources
  - Resource-Admin can manage and use the resources owned
  - User can be reserved and used
- Resource administrators can modify the resource attributes for their resources and add a new resource.

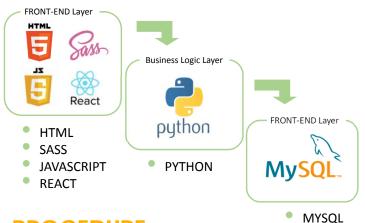
## **FUTURE WORK**

- The future work includes the followings:
  - > Resource administrators should be able to grant access to users or groups to use their resources.
  - > User registration and management on user accounts

#### REFERENCE

[1] N. Banluesombatkul, P. Kaewlamul, P. Rattanatamrong, N. Williams, and S. Smallen, "PRAGMA Cloud Scheduler: Improving Usability of the PRAGMA Cloud Testbed ", 2017 Int'l Computer Science and Engineering Conference(ICSEC)

#### SYSTEM ARCHITECTURE



**PROCEDURE** 

#### Resource add Form



