MICHIGAN STATE UNIVERSITY

Beta Presentation Project Plato

The Capstone Experience
Team GM

Colin Coppersmith
Simeon Goolsby
Alex Lepird
Matthew Eaton
Tao Tao



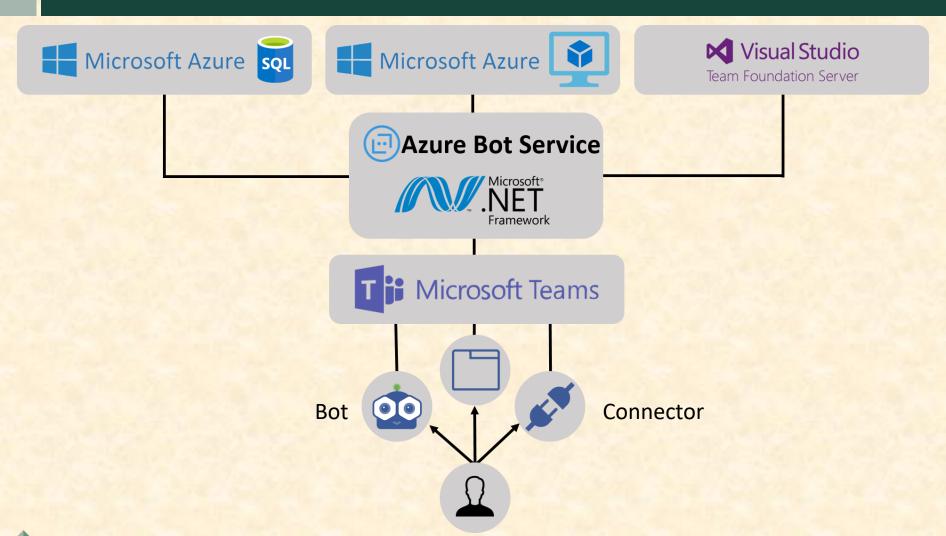
Department of Computer Science and Engineering
Michigan State University
Spring 2018

Project Overview

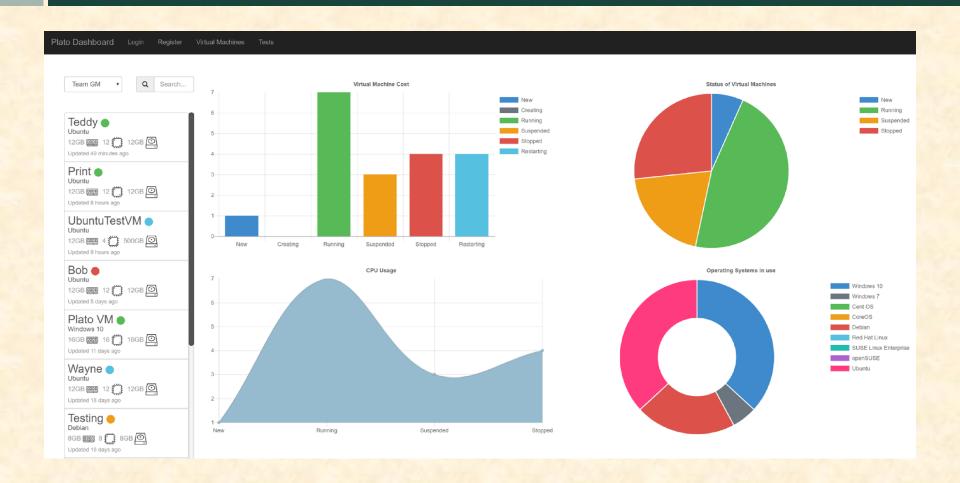
- Consolidate Common Developer Tasks Into Microsoft Teams
- Create and Manipulate Virtual Machines
- Discover and Run Test Cases
- Consists of Three Components:
 - 1. Al Chatbot
 - 2. Microsoft Teams Tab
 - 3. Microsoft Teams Connector
- Provide a Unified and Familiar Environment for Developers



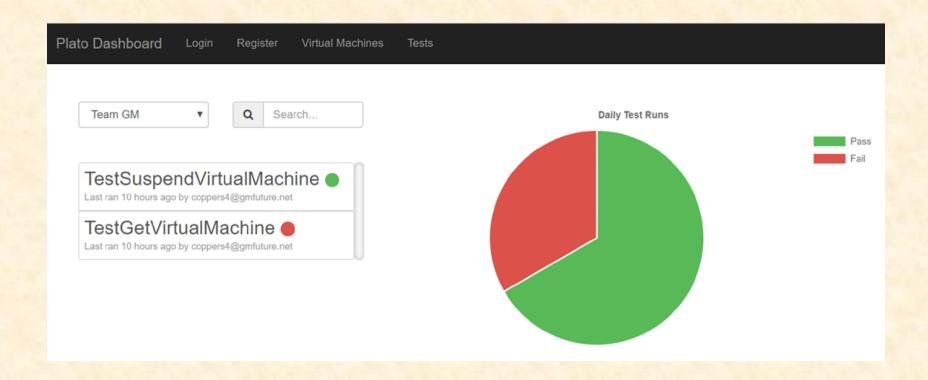
System Architecture



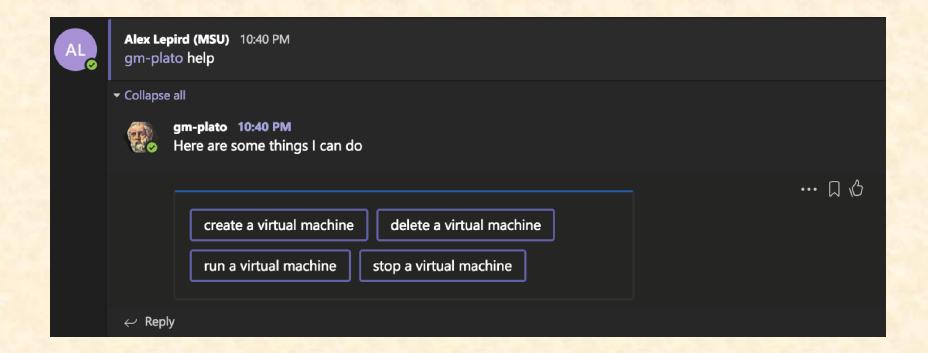
Virtual Machines Dashboard



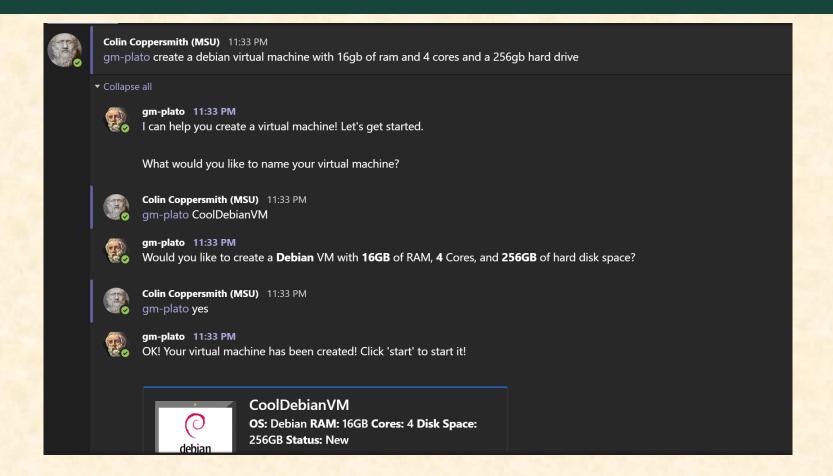
Tests Dashboard



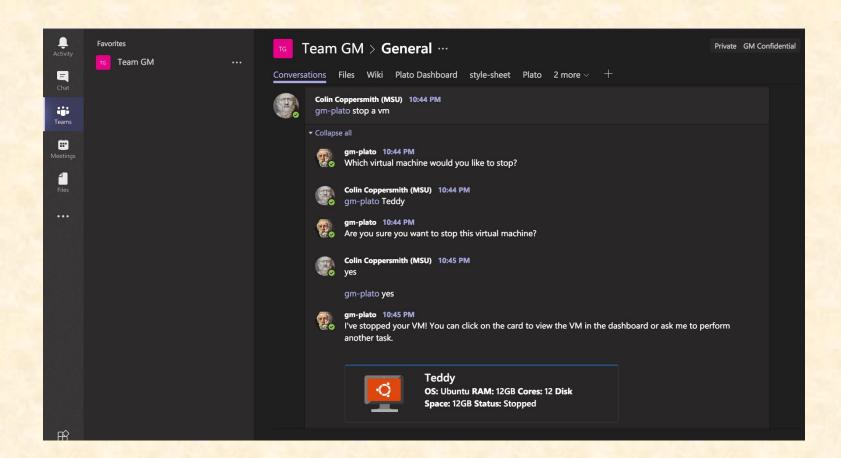
Asking the Bot for Help



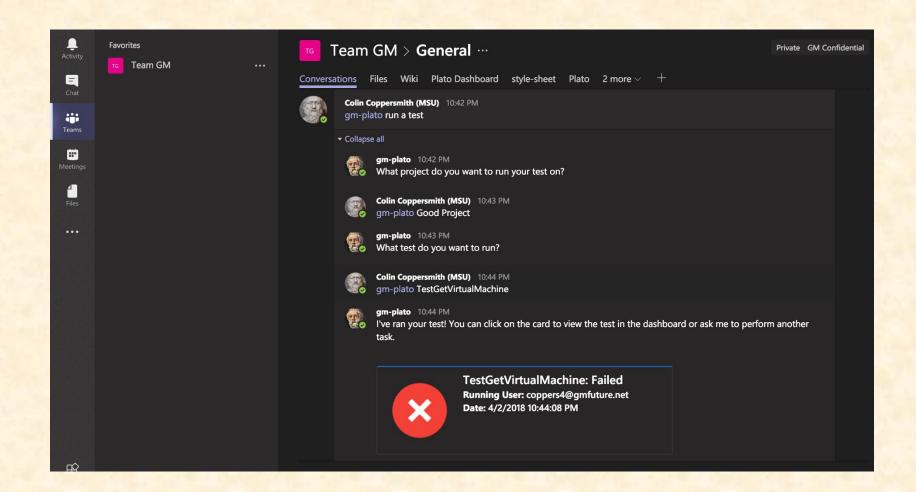
Creating a VM



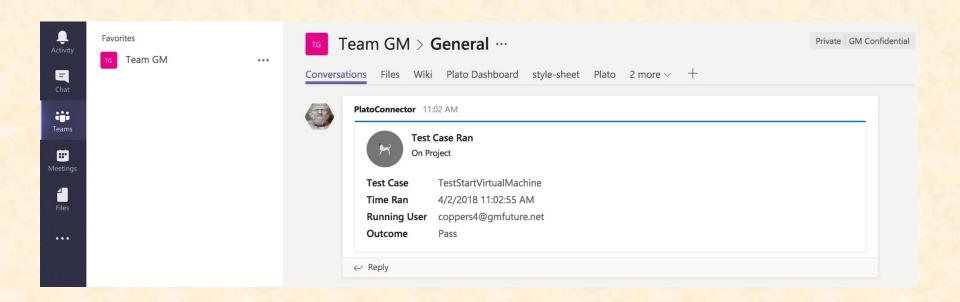
Stopping a Virtual Machine



Running a Test



Connector for Test Case Runs



What's left to do?

- Improve UI/UX of Bot and Dashboard
- Persist conversation data across a thread
- Authenticating users through TFS and Azure
- Project Video

Questions?

