MICHIGAN STATE UNIVERSITY

Alpha Presentation Project Plato

The Capstone Experience
Team GM

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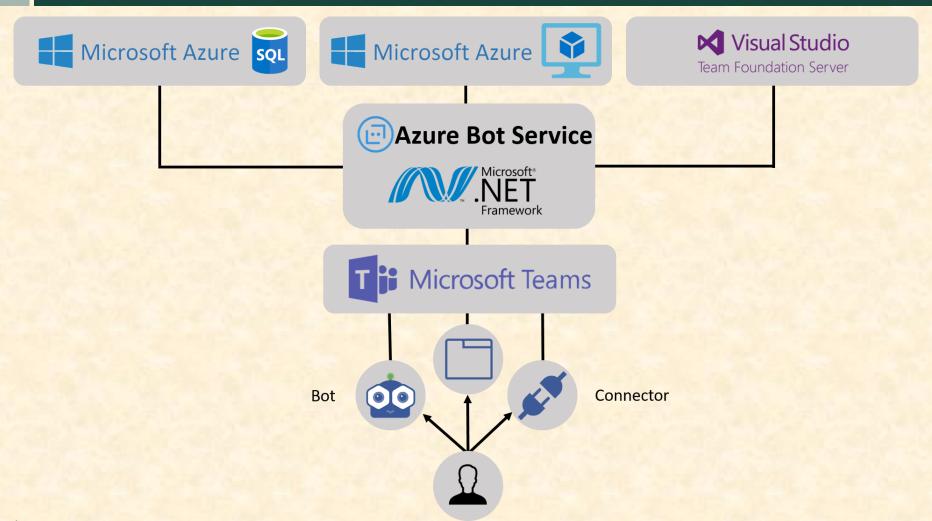


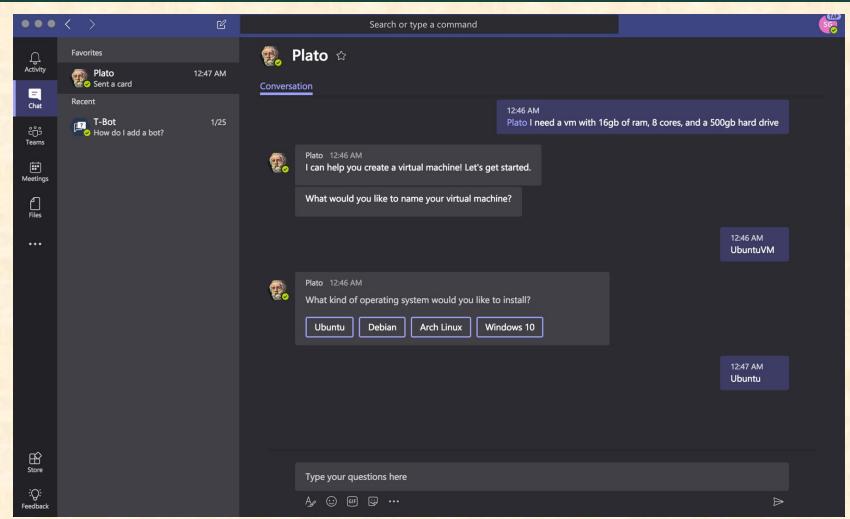
Department of Computer Science and Engineering
Michigan State University
Spring 2018

Project Overview

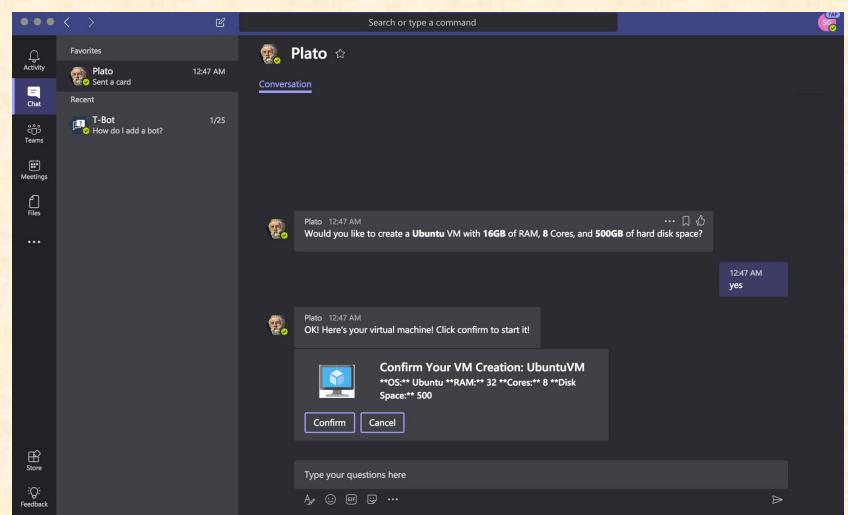
- Consolidate Common Developer Tasks Into Microsoft Teams
- Create and Manipulate Virtual Machines
- Discover and Run Test Cases
- Consists of Three Components:
 - 1. Al Chatbot
 - 2. Microsoft Teams Tab
 - 3. Microsoft Teams Connector
- Provide a Unified and Familiar Environment for Developers

System Architecture

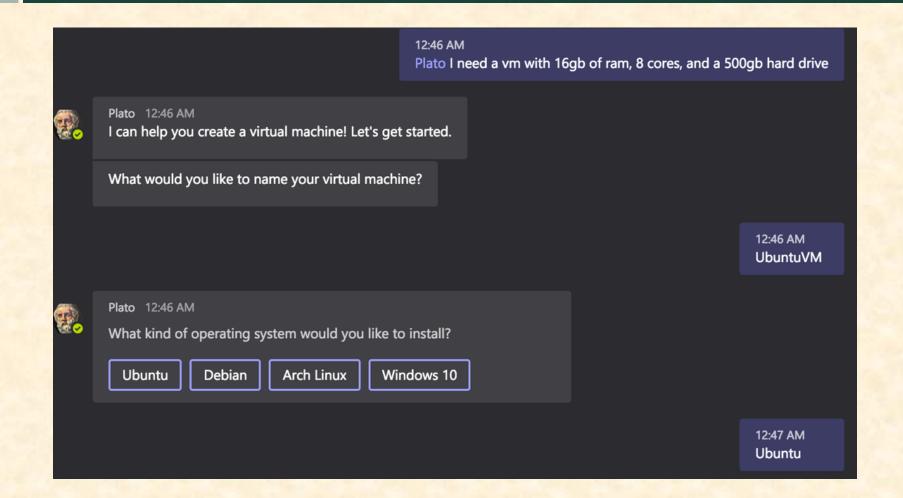






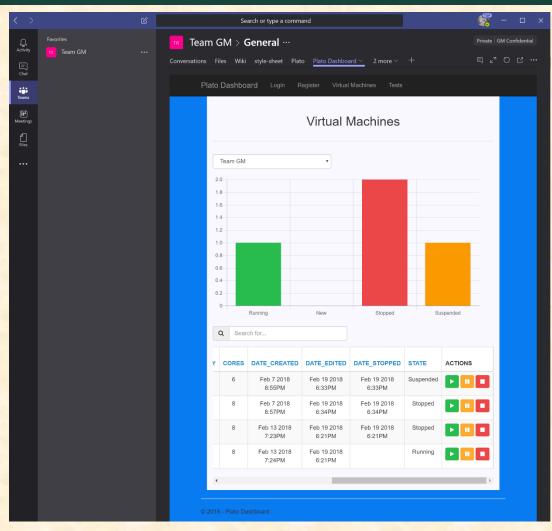








Virtual Machines Dashboard

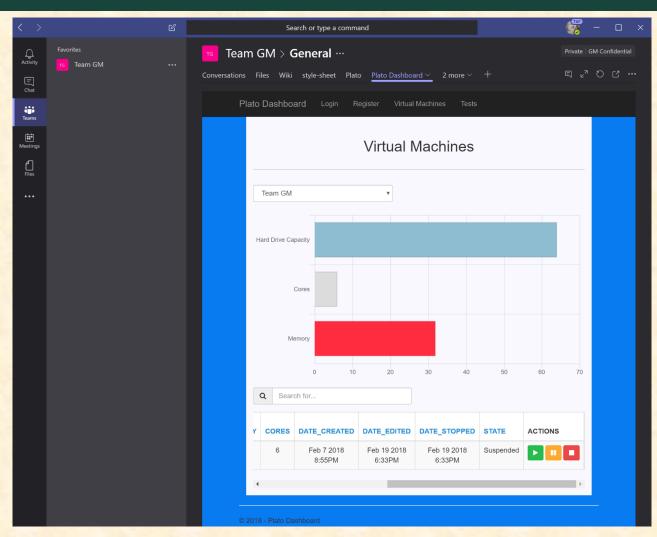




Virtual Machines Dashboard

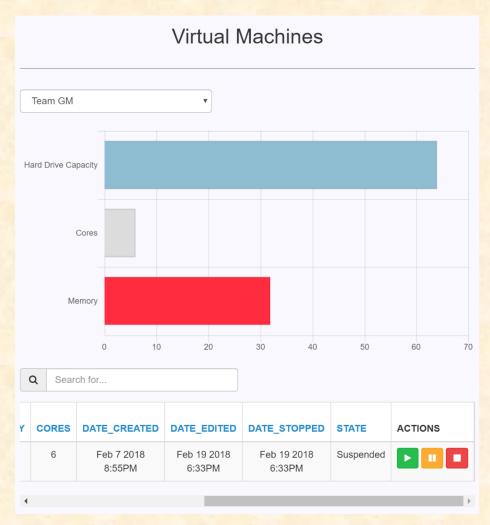


Information on Clicked VM

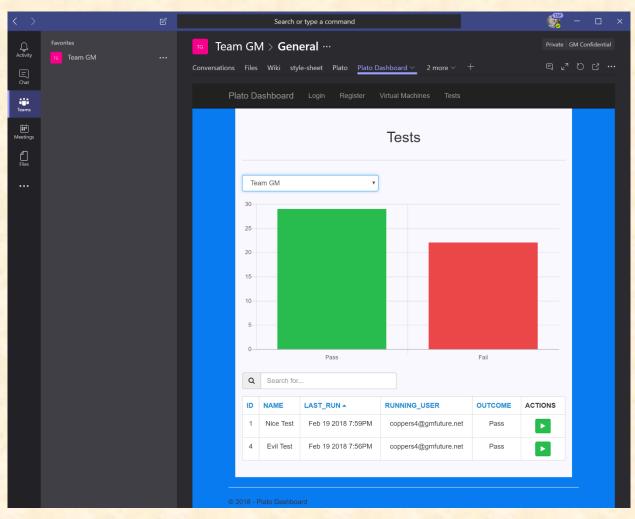




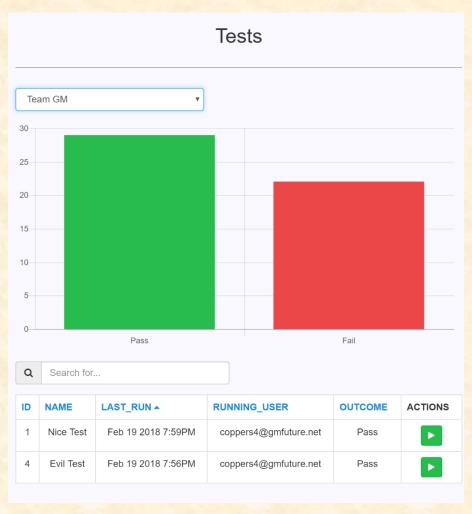
Information on Clicked VM



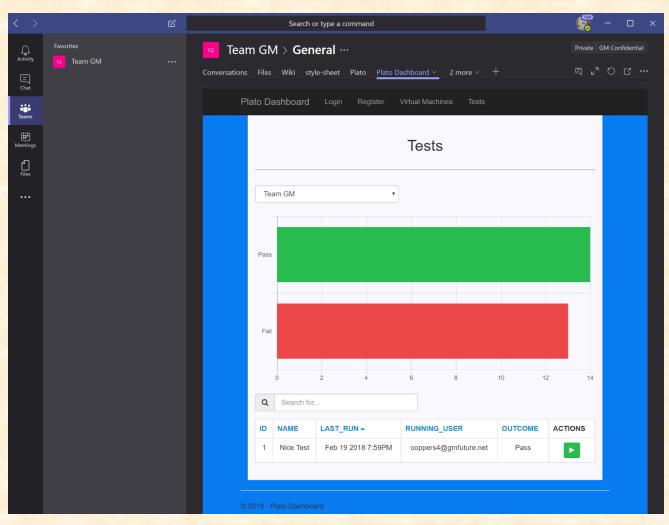
Tests Dashboard



Tests Dashboard

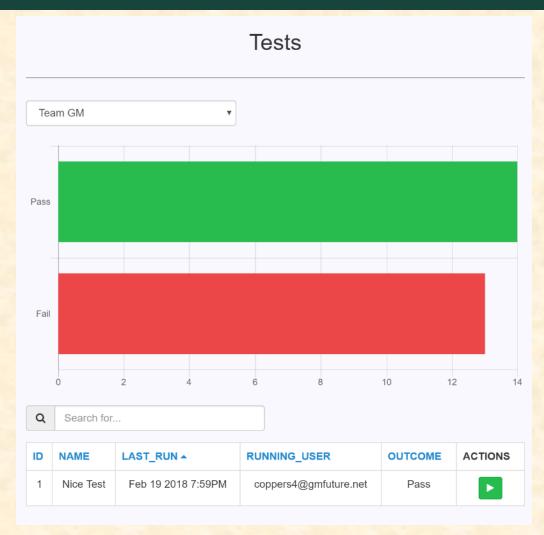


Information on Clicked Test

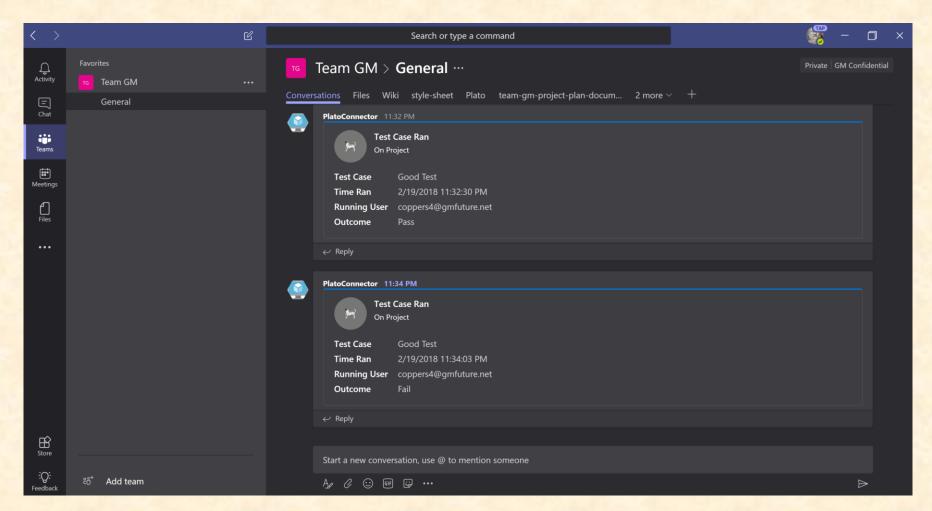




Information on Clicked Test



Connector for Test Case Runs



Connector for Test Case Runs



What's left to do?

- Elaborate on Connector
 - Added Directly from Teams
 - Need to Send Data From Backend to Connector
- Extend Bot Functionality
- Connect Tab to Bot Backend
- Create More Charts for Tab
 - Want to Display Different Metrics
 - Will Need More Data
 - Embed Each Chart in a Partial View
- Implement User Sessions and Teams Functionality



Questions?

