MICHIGAN STATE UNIVERSITY

Beta Presentation SmartSat[™] Satellite App Store

The Capstone Experience

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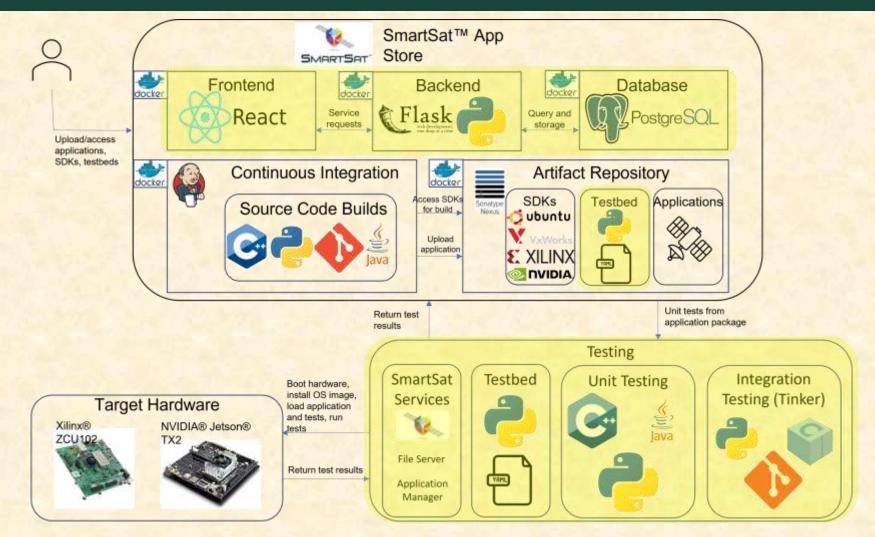
Fall 2021



Project Overview

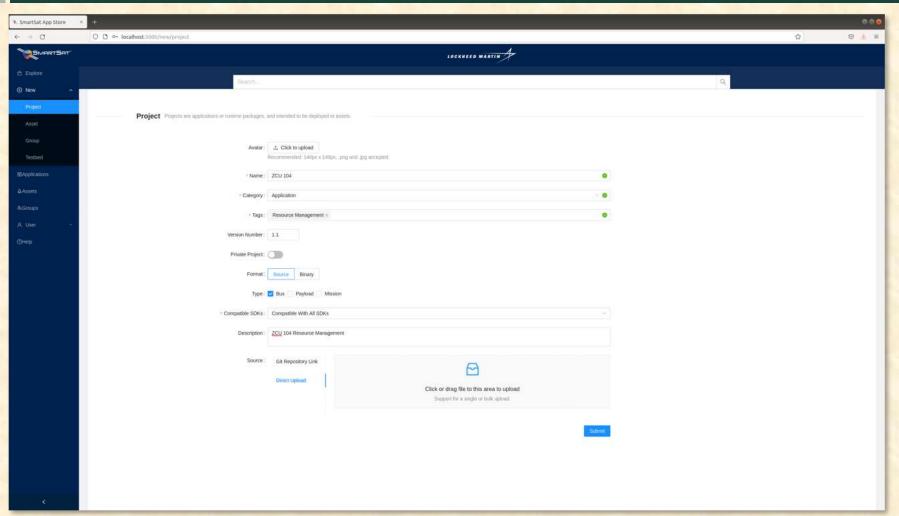
- Users can upload new SmartSat applications to the App Store
- The AppStore builds the new application against specified SDKs
- The built applications are tested on specified target hardware
- Test results can be seen from the test results page on the App Store

System Architecture

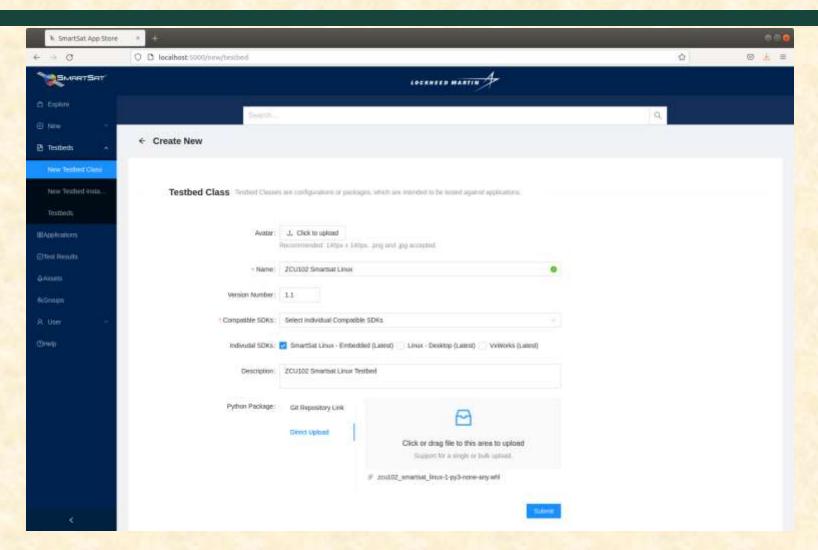




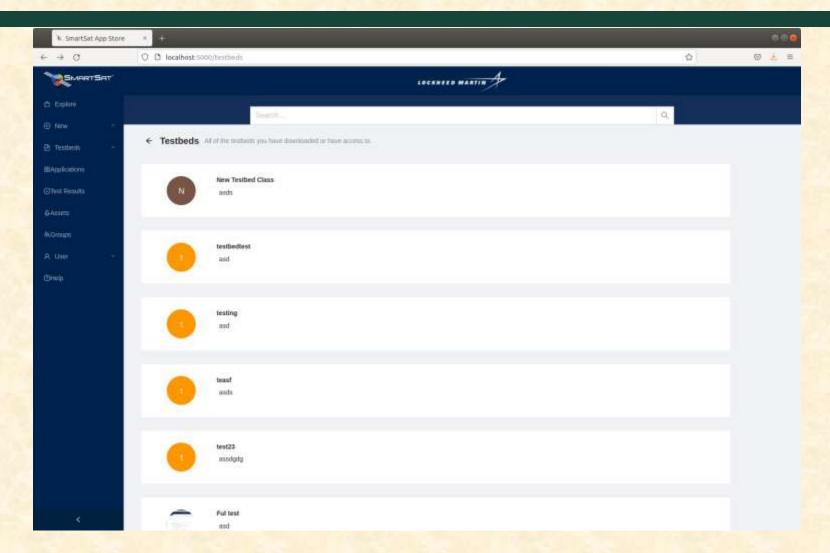
Application Upload Form



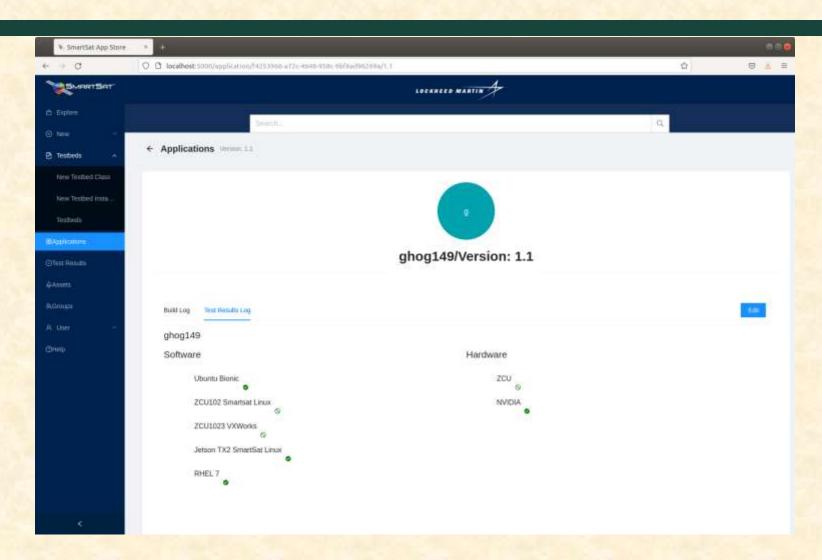
Testbed Class Upload



Testbeds Page



Test Results Page



What's left to do?

- Features
 - Support for VxWorks hardware testing
 - Ability to select custom PyPi Server
- Stretch Goals
 - RESTful API that supports App Store Automation
 - Site Backup and Site Mirroring
 - Patch outstanding App Store bugs

Questions?

