MICHIGAN STATE UNIVERSITY

Alpha Presentation
Endpoint Data Monitoring and Analysis Agent

The Capstone Experience

Team Rook

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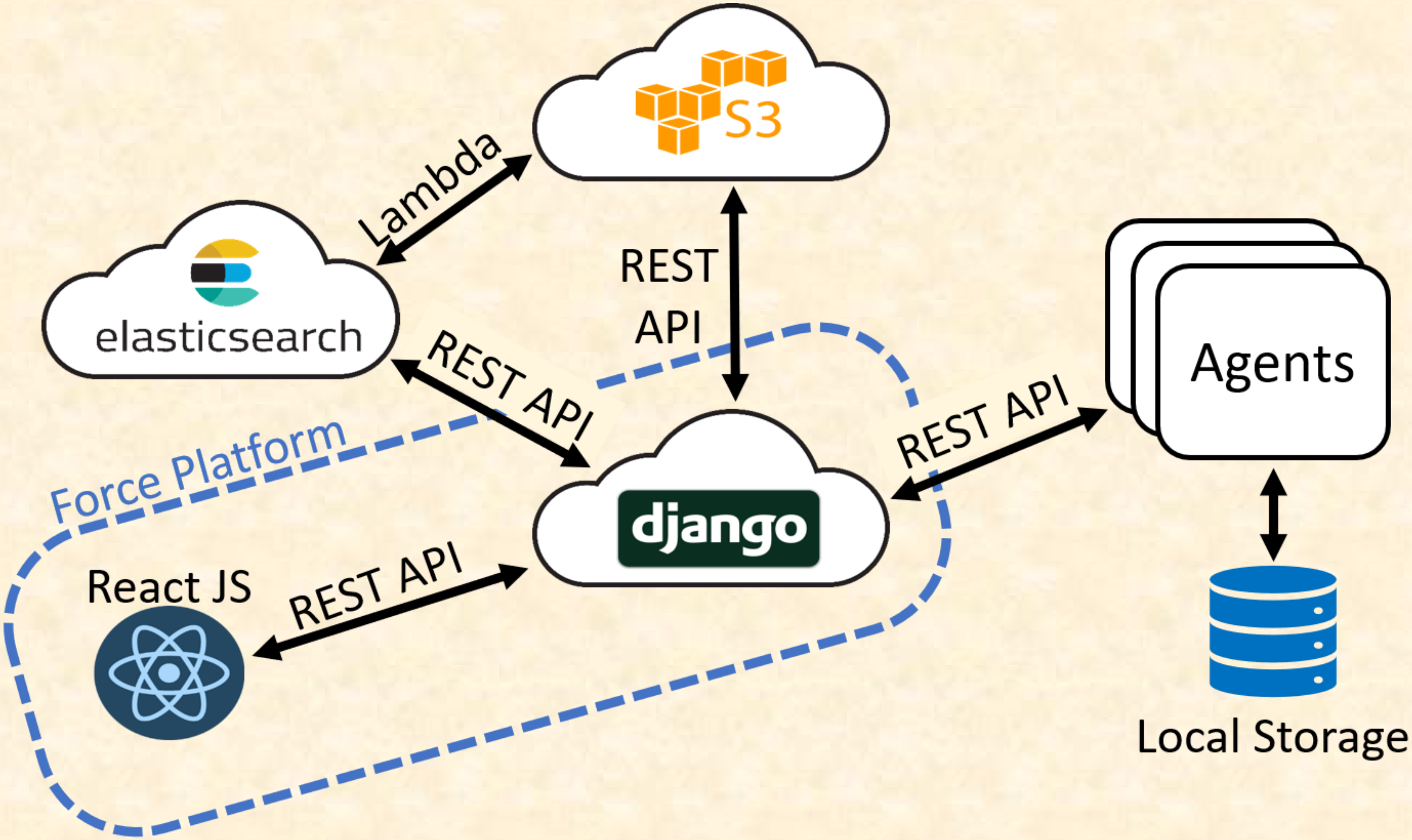
From Students…
…to Professionals

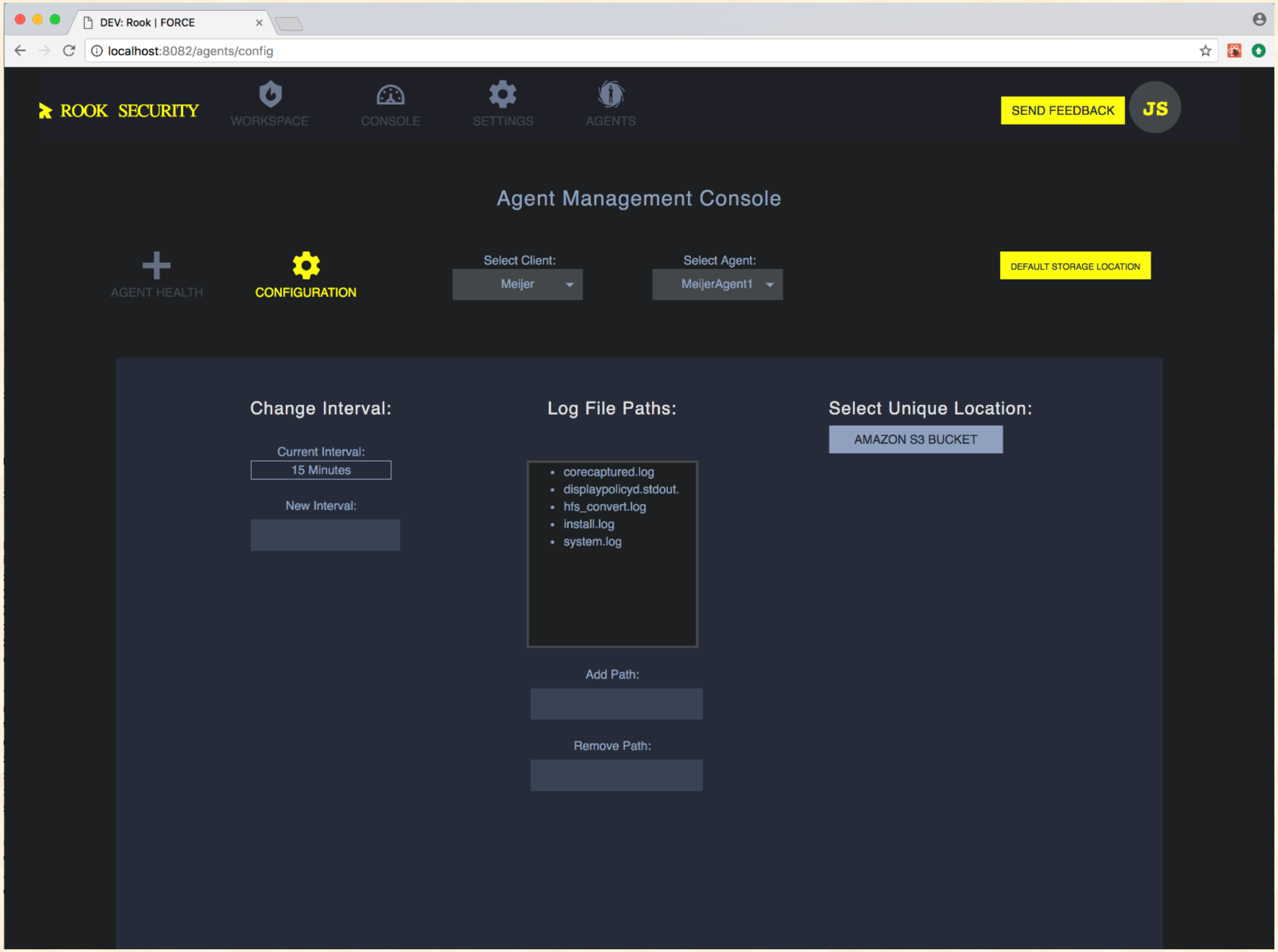
Project Overview

- Endpoint Agent Log Collection
  - Cross Platform Compatible
- Communication Channels for Data
  - Configurable
- Web Application to Analyze Agent
  - Configuration
    - Log Paths, Storage Location
  - Health Analysis
    - Alert Priorities

System Architecture



Force Platform



Agent Management Console

Select Client: Meijer

Select Agent: MeijerAgent1

Change Interval:

Current Interval: 15 Minutes

New Interval:

Log File Paths:

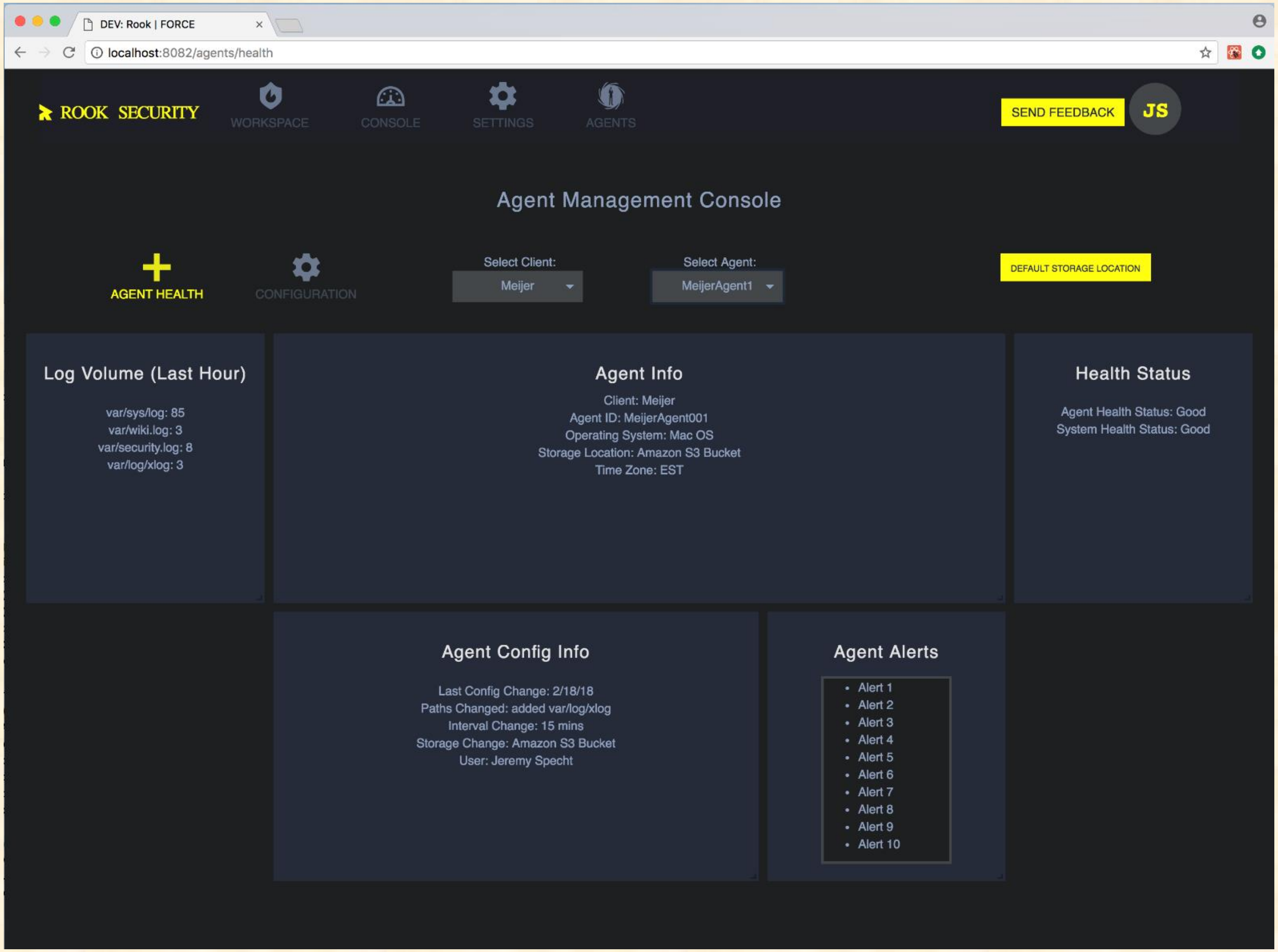
- corecaptured.log
- displaypolicyd.stdout.
- hfs_convert.log
- install.log
- system.log

Add Path:

Remove Path:

Select Unique Location:

Force Platform



Agent Management Console

Select Client: Meijer

Select Agent: MeijerAgent1

Log Volume (Last Hour)

var/sys/log: 85
var/wiki.log: 3
var/security.log: 8
var/log/xlog: 3

Agent Info

Client: Meijer
Agent ID: MeijerAgent001
Operating System: Mac OS
Storage Location: Amazon S3 Bucket
Time Zone: EST

Health Status

Agent Health Status: Good
System Health Status: Good

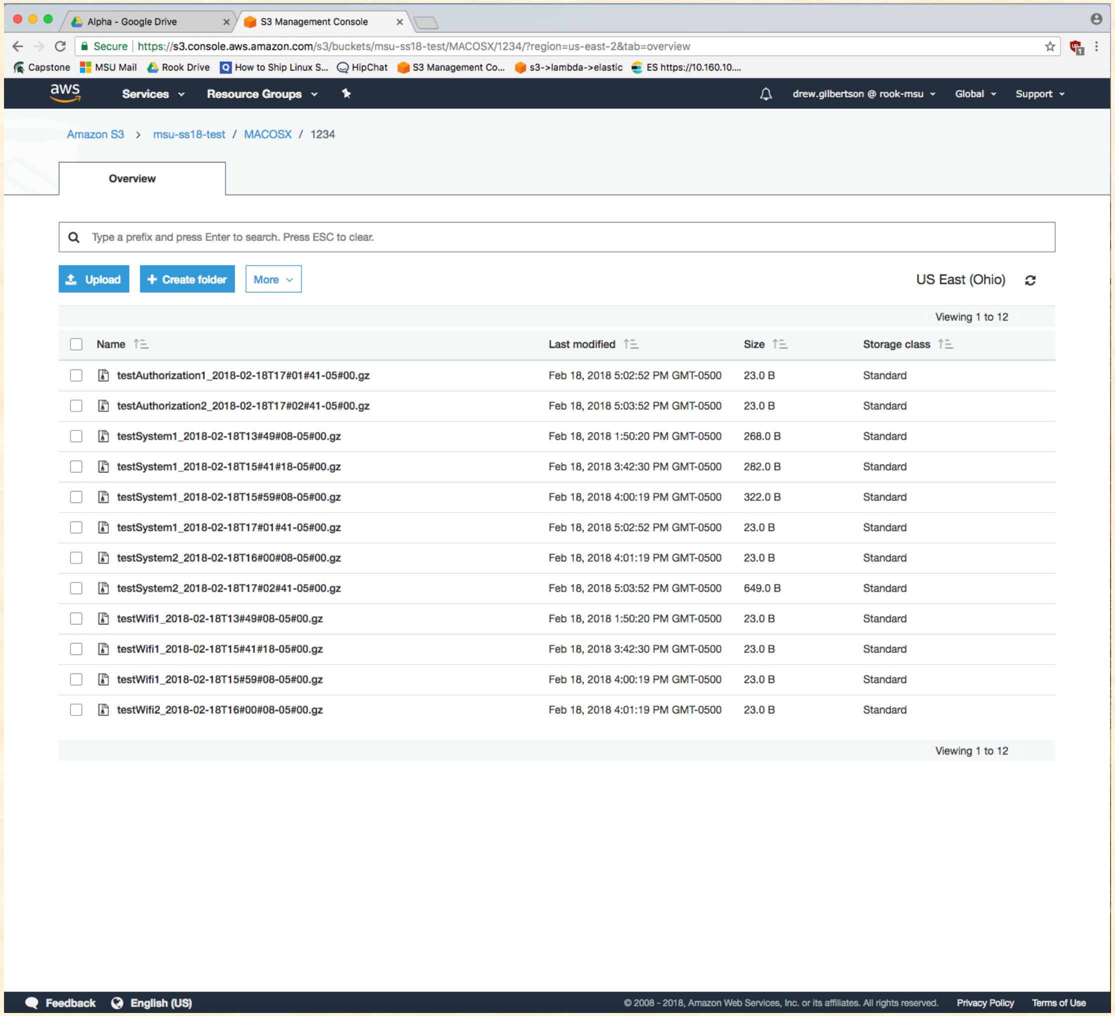
Agent Config Info

Last Config Change: 2/18/18
Paths Changed: added var/log/xlog
Interval Change: 15 mins
Storage Change: Amazon S3 Bucket
User: Jeremy Specht

Agent Alerts

- Alert 1
- Alert 2
- Alert 3
- Alert 4
- Alert 5
- Alert 6
- Alert 7
- Alert 8
- Alert 9
- Alert 10

Storage System



Secure | https://s3.console.aws.amazon.com/s3/buckets/msu-ss18-test/MACOSX/1234/?region=us-east-2&tab=overview

Amazon S3 > msu-ss18-test / MACOSX / 1234

Type a prefix and press Enter to search. Press ESC to clear.

US East (Ohio)

Viewing 1 to 12

□	Name	Last modified	Size	Storage class
□	testAuthorization1_2018-02-18T17#01#41-05#00.gz	Feb 18, 2018 5:02:52 PM GMT-0500	23.0 B	Standard
□	testAuthorization2_2018-02-18T17#02#41-05#00.gz	Feb 18, 2018 5:03:52 PM GMT-0500	23.0 B	Standard
□	testSystem1_2018-02-18T13#49#08-05#00.gz	Feb 18, 2018 1:50:20 PM GMT-0500	268.0 B	Standard
□	testSystem1_2018-02-18T15#41#18-05#00.gz	Feb 18, 2018 3:42:30 PM GMT-0500	282.0 B	Standard
□	testSystem1_2018-02-18T15#59#08-05#00.gz	Feb 18, 2018 4:00:19 PM GMT-0500	322.0 B	Standard
□	testSystem1_2018-02-18T17#01#41-05#00.gz	Feb 18, 2018 5:02:52 PM GMT-0500	23.0 B	Standard
□	testSystem2_2018-02-18T16#00#08-05#00.gz	Feb 18, 2018 4:01:19 PM GMT-0500	23.0 B	Standard
□	testSystem2_2018-02-18T17#02#41-05#00.gz	Feb 18, 2018 5:03:52 PM GMT-0500	649.0 B	Standard
□	testWifi1_2018-02-18T13#49#08-05#00.gz	Feb 18, 2018 1:50:20 PM GMT-0500	23.0 B	Standard
□	testWifi1_2018-02-18T15#41#18-05#00.gz	Feb 18, 2018 3:42:30 PM GMT-0500	23.0 B	Standard
□	testWifi1_2018-02-18T15#59#08-05#00.gz	Feb 18, 2018 4:00:19 PM GMT-0500	23.0 B	Standard
□	testWifi2_2018-02-18T16#00#08-05#00.gz	Feb 18, 2018 4:01:19 PM GMT-0500	23.0 B	Standard

Viewing 1 to 12

What's left to do?

- Remote Configuration of Agent
- Front-End Development
  - Refine Interface Functionality
- Back-End Development
  - Feature Expansion
- Elasticsearch
  - Integration

Questions?

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