Beta Presentation
Security Analytics Suite: Client Configuration Tool
The Capstone Experience

Team Avata
Sean Edwards
Ashley Gagnon
Chantz Johnson
Zack Lumley
Meenu Sundararaju

Department of Computer Science and Engineering
Michigan State University
Fall 2017
Project Overview

- Niche client base in police and law enforcement
- Reduce time it takes for Avata to onboard clients
- 3 modules to implement:
  - Client information
  - Geography
  - Taxonomy
System Architecture

REST

JSON

DB Queries

Microsoft SQL Server

The Capstone Experience
Team Avata Beta Presentation
Information: Roles & Modules

Roles and Modules

Select Roles:
- Chief
- Captain
- Major
- Sergeant
- Private

Select Modules:
- Heat Map
- Camera
- Topographical

MySQL

Export User Roles
Information: Shifts

Roles and Modules
Shifts

User Display
Shift 1: 8:00 - 16:00

Add Shift
Reports
Add Shift: Use same as above

Deployments
Add Shifts: Use same as above

MySQL
Export Shifts
Geography: Campuses
Geography: Beats
Geography: Sub-Beats
Taxonomy: Categories

![Crime Categories and Crime Types screenshot](image-url)
Taxonomy: Groups
What’s left to do?

• Geography back-end validation
• Add different colors to different campuses
• Allow for editing features of campus
• Link polygons to string tree structure
• Add freehand drawing/cutting
• Polishing user interface
• Bug fixes
• Integration Testing
Questions?