

COVID-19 Adjustments & Reporting

2020 HELUG Conference - June 9, 2020

Rob Stanford



AUBURN

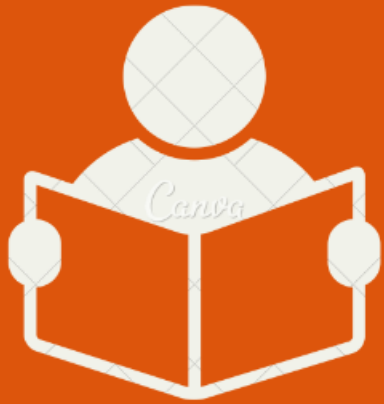
UNIVERSITY

FACILITIES MANAGEMENT



Auburn University At A Glance

Auburn, Alabama



STUDENT/FACULTY/STAFF

Undergraduate Students: 25,000
Graduate Students: 5,000
Faculty: 1,300
Staff: 3,800



WHAT'S IN A NAME?

1856 - East Alabama Male College
1872 - Agricultural & Mechanical College of Alabama (first land-grant college in South)
1899 - Alabama Polytechnic Institute
1960 - Auburn University

CAMPUS

427 Buildings
1,841 acres
140+ Majors
15 Schools and Colleges



ONE NICKNAME: AUBURN TIGERS

We are the Auburn Tigers!
Our battle cry is "War Eagle".
We are the Tigers that yell "War Eagle"!
Proud member of the SEC
Mascot "Aubie" has won 9 National Championships



Auburn's COVID-19 Adjustments & Reporting

- Free COVID-19 Exposure Report Tool (CERT)
- Modification to Building Lock Schedule
- Enhanced Graphical Reporting Required



Free COVID-19 Exposure Report Tool (CERT)



Detrios COVID-19 Exposure Report Tool

File Help

Database

Access Control System:
Level52 OnGuard

Database Server Name:
DB-SERVER-01

Database Name:
ACCESSCONTROL

Use Windows Authentication

SQL Username:
[]

SQL Password:
[]

Test Connection

Report

Origin Person's Cardholder ID:
123456789

Show Origin Name
 Show Exposed Name

Correlation Time:
1 minutes before and 15 minutes after

Start Date/Time:
03/23/2020 06:00 AM

End Date/Time:
03/25/2020 11:59 PM

Reporting Period Timezone:
(UTC-05:00) Eastern Time (US & Canada)

Generate Report...

Developed by Detrios
<https://www.detrrios.com>
info@detrrios.com

support from Northland Controls
<https://www.northlandcontrols.com>

support from Convergent Technologies
<https://www.converqint.com>

Modification to Building Lock Schedule



Background

- Auburn's campus is typically open during business hours.
- Certain students, faculty, and staff have card access after hours when the buildings are locked.
- We utilize holidays for our building lock schedule.
- There are some common generic access levels.
 - All the time (ALL) - *best*
 - Any time except during home football games (ABG) - *better*
 - Any time except football and University holidays (ABH) - *good*
 - ALL and ABG utilize different holiday types to prevent access

Modification to Building Lock Schedule



Objectives

- Lock buildings and allow card access during the day to those who normally have it after hours.
- Be able to revert back to “normal” when necessary.

Solution

- Add a university holiday causing doors to be “card only”.
- Modify the access level for ABH to allow access during university holidays (matching ABG temporarily).
- Rename the access level to include COVID-19 so we can easily identify and revert back when needed.

Enhanced Graphical Reporting Required



Objectives

- Provide administration with a general idea of how many people are on campus and in which buildings people are working.
- This is used to monitor numbers gathering and also for potential adjustments to the building automation systems.

Solution

- Create a Qlik dashboard utilizing the “granted access” events from OnGuard.

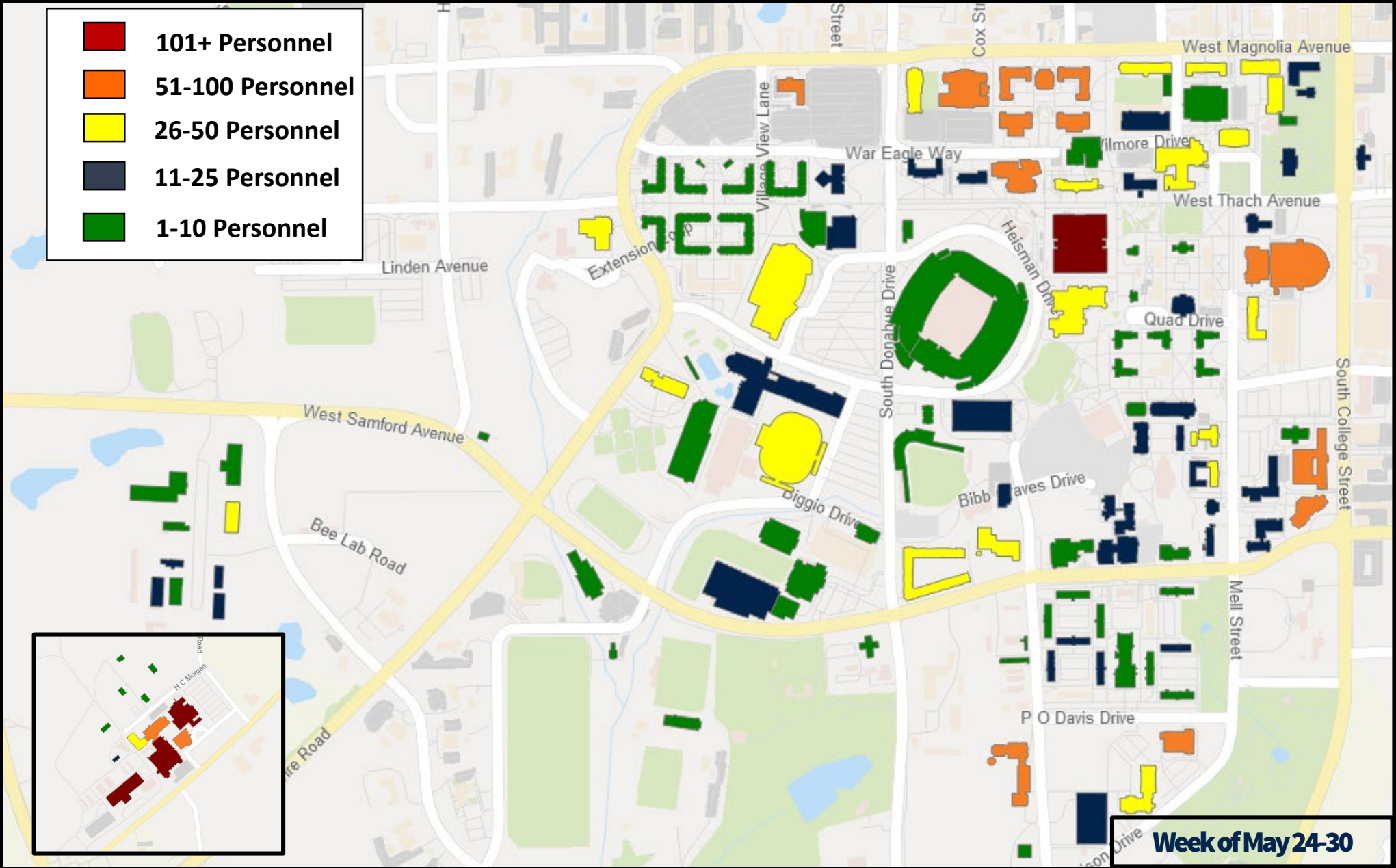
Enhanced Graphical Reporting Required



Here's an example of the reporting we provide!

(we have an interactive dashboard
that we use as well)

Building Access Data: Max # of People Entering Buildings/Per Day During Week



Campus Building Access Metrics May 24 – May 30, 2020

Explanatory Notes:

- The following slides provide an overview of buildings accessed via card between May 17th – May 23rd, 2020.
- This data counts the number of “unique” people accessing campus buildings.
 - If a person presents card 20 times to get into a building throughout the day, they are counted as one “unique” person for that day on slide 3.
 - If a person accesses 5 different buildings, they are counted as one unique person on slide 3, but will be counted as part of the total for each building on slide 4.
 - This data provides no information regarding how long a person stayed in the building. If a person accessed a building and stayed 8 minutes they are counted the same as someone who accessed the building and stayed all day.

Enhanced Graphical Reporting Required



How We Did It

- Added Building Code in the Notes field for each Access Panel in OnGuard (had this in place already)
- Wrote SQL to pull data out of OnGuard database utilizing building code and cardholder information
- Qlik Development team built dashboard utilizing the SQL code
- The infrastructure for people and buildings was already in place for our Qlik implementation, so it was just “linked”.
- The entire process took a couple of days at the most and involved 3 people, but it was developed over time as new requests were made.

Questions?



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