Welcome
Controlled Proliferation: UMD’s Enterprise-wide Tableau Server Implementation

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University of Maryland College Park
Section/Chapter Title
Section/Chapter Title
Agenda

Project Overview

Project Approach and Goals

Demonstration

Lessons Learned
Project Overview
## Motivation for Ecosystem Change

<table>
<thead>
<tr>
<th>System</th>
<th>Prior Solution</th>
<th>Issue</th>
<th>Risk Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic Factbook</td>
<td>Cold Fusion</td>
<td>Out of Support</td>
<td>High</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Non-Performant</td>
<td></td>
</tr>
<tr>
<td>“Canned” Reports</td>
<td>Hyperion Server</td>
<td>Browser (IE only) Out of Support</td>
<td>High</td>
</tr>
<tr>
<td>Ad Hoc Reporting</td>
<td>Desktop Hyperion</td>
<td>Support ends 2018?</td>
<td>Medium</td>
</tr>
<tr>
<td>Warehouse</td>
<td>Oracle</td>
<td>Non-performant Outdated</td>
<td>Medium</td>
</tr>
</tbody>
</table>
# Project Overview

<table>
<thead>
<tr>
<th>Workstream</th>
<th>Executive Reporting</th>
<th>Data Extraction &amp; Ad Hocs</th>
<th>Data Modernization</th>
<th>Data Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Any user on campus should be able to access predigested information with context to aid in their understanding</td>
<td>Campus users can access on-demand reports and power users generate ad hoc queries to do their day-to-day work.</td>
<td>Data should be stored in a modern warehouse with the ability to provide multiple layers of access and data sets that promote consistent, appropriate use.</td>
<td>Documentation is vital so that users understand the data and reports they access.</td>
</tr>
<tr>
<td><strong>Legacy Systems</strong></td>
<td>Profiles</td>
<td>WOW</td>
<td>Oracle Mainframe</td>
<td>Homegrown DAD Site Oracle Tables</td>
</tr>
<tr>
<td><strong>Highest Priority</strong></td>
<td>Profiles Replacement</td>
<td>WOW Replacement</td>
<td>Warehouse redesign</td>
<td>DAD Replacement Report Documentation</td>
</tr>
<tr>
<td><strong>Enhancements</strong></td>
<td>New Executive Reports New Content Areas</td>
<td>Hyperion/Studio Replacement Advise on the Web Replacement</td>
<td>New Data Sources Implementation of “Data Are Free” Practice</td>
<td>Table Documentation</td>
</tr>
</tbody>
</table>
Agile(ish) Implementation

June 2016
POC reports
Project Proposal

June 2017
6 Analysts
10 Reports
~25 Users
100s of Hits

June 2018
25+ Analysts
50+ Reports
100s of Users
1000s of Hits
Community of Practice
~10 Unit Sandboxes

June 2019

?
Maryland Reporting Infrastructure (Simplified)

- reports.umd.edu
- Tableau Public
- Aggregated Extracts
- Tableau Server
- Oracle
- Extracts
- Redshift
- AWS – S3
- AWS – EC2
- AWS – Redshift
- AWS – Oracle
Project Approach and Goals
Project Goals

- Reduce Risk
- Modernize Data
- Improve Quality
- Automate
Project Standards

SECURE
ACCESSIBLE
RESPONSIVE
ACCURATE

DOCUMENTED
COLLABORATIVE
EASY TO USE
It’s not just a software project

• Community building
• Branding
• Training and Support
• Mentoring
What does it look like?
**Number of Registered Majors**

**Report Description:**
MATCHES PROFILES. This report provides undergraduate and graduate student enrollment counts. Counts are provided using three methodologies: primary major count (each student counted once in their primary major), unduplicated count of majors (each student counted once in the selected unit), and count of all majors (each student counted for each major he/she is registered).
Insert Slide with Help Site
Insert Slide with Unit Selector
NUMBER OF REGISTERED MAJORS

Environment

Tableau Server

Audience

Campus
Insert Slide with Sandbox Configs
Lessons Learned
START SMALL AND ITERATE
I’VE MADE A HUGE MISTAKE

MISTAKES HAPPEN
BUILD IN TIME FOR THEM
COMMUNICATION MATTERS
GUARD THE PROJECT’S REPUTATION
Tableau Software helps people see and understand data. Tableau’s award-winning software delivers fast analytics, visualization and rapid-fire business intelligence on data of any size, format, or subject. The result? Anyone can get answers from data quickly, with no programming required. From executive dashboards to ad-hoc reports, Tableau lets you share mobile and browser-based, interactive analytics in a few clicks. More than 19,000 companies and organizations, including some of the world’s largest enterprises, rely on Tableau Software.

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TRADITIONAL VS. MODERN

marketplace. But traditional approaches to business intelligence are too slow, inflexible, and expensive. You need an approach to business intelligence that is governed and scales yet allows your business users to ask and answer their own
Please complete the session survey from the Session Details screen in your TC18 app.
Thank you!

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