University of California
Tableau User Group (TUG)

Hosted By:
UC Office of the President
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Agenda

• Welcome/introductions
• Tableau Server
  – UCOP Tableau Server Architecture, Security and Implementations – Krishna Malipatel
  – Leveraging UCOP Tableau Server Environment
    • Shared Services Implementation – Ola Popoola
  – Other Options – Ola Popoola
    • Tableau Online
    • Tableau Public
• Integration of Tableau Desktop & Jupyter – Christopher Brooks
  – XML Export
  – Sample XML Review
  – Benefits of Documenting Your Viz
• Q & A
Tableau Server Architecture, Security and Implementation
Tableau 10.0.1 QA Architecture

+ QA Server is internal to UCOP Users

CPU 8
RAM 64 GB
Windows Server 2012 R2
CPU 8
RAM 64 GB
Windows Server 2012 R2

+ UAT is for External Campus users
Tableau 10.0.1 PROD Architecture

CPU 24
RAM 192 GB
Windows
Servers2012 R2

+ Interactor permission are set for all the users on Prod
1. Define Sites
   + Define Sites for the respective Teams/Groups
   + --QA & UAT Sites are defined for Developers depending upon their ownership
   + --On Production Sites are defined based on the Audience/user base
   + Secure way of allowing different teams to define their own content
   + Provide Site Administrator Access to QA Server

2. Define Project within Sites
   + Define individual projects
   + Project is nothing but a folder which holds the visualizations/workbooks
   + Security can be define on individual projects

3. Define Groups/Roles
   + Server Administrator, Site Administrator, Publisher, Interactor, Viewer
   + Define Groups for the Project security
   + Add individual users to the groups instead of adding users separately
   + Membership is determined by site Administrators
Implementations

1. UC Info Center
   * http://universityofcalifornia.edu/infocenter
   * Embedded in Native Application

2. TES
   * https://visualizedata.ucop.edu
   * https://qa.visualizedata.ucop.edu
   * Integrated with AWS Data store in real-time

3. Dashboard with Extract Service now Data

4. Security implementation with in Dashboard.

5. Tableau Integration with SharePoint
Tableau UCOP Implementation & Support

TES Implementations

TES Webpage

Tableau Server

Database

UCOP

UCOP

Amazon AWS
Tableau UCOP Implementation & Support

Dashboard with Extract

UCOP Tableau Server

Service Now Cloud Database
Tableau Server as a Shared Service

- Status on UCOP Tableau Server for campus use
- Other Tableau Server options:
  - Tableau Online
  - Tableau Public
Integrating Tableau with Jupyter

• Tableau desktop and Jupyter
• The XML Export
• Walkthrough of sample XML
• Benefits of integration