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University of California Tableau User Group (TUG)

Hosted By:

UC Office of the President

02-10-17

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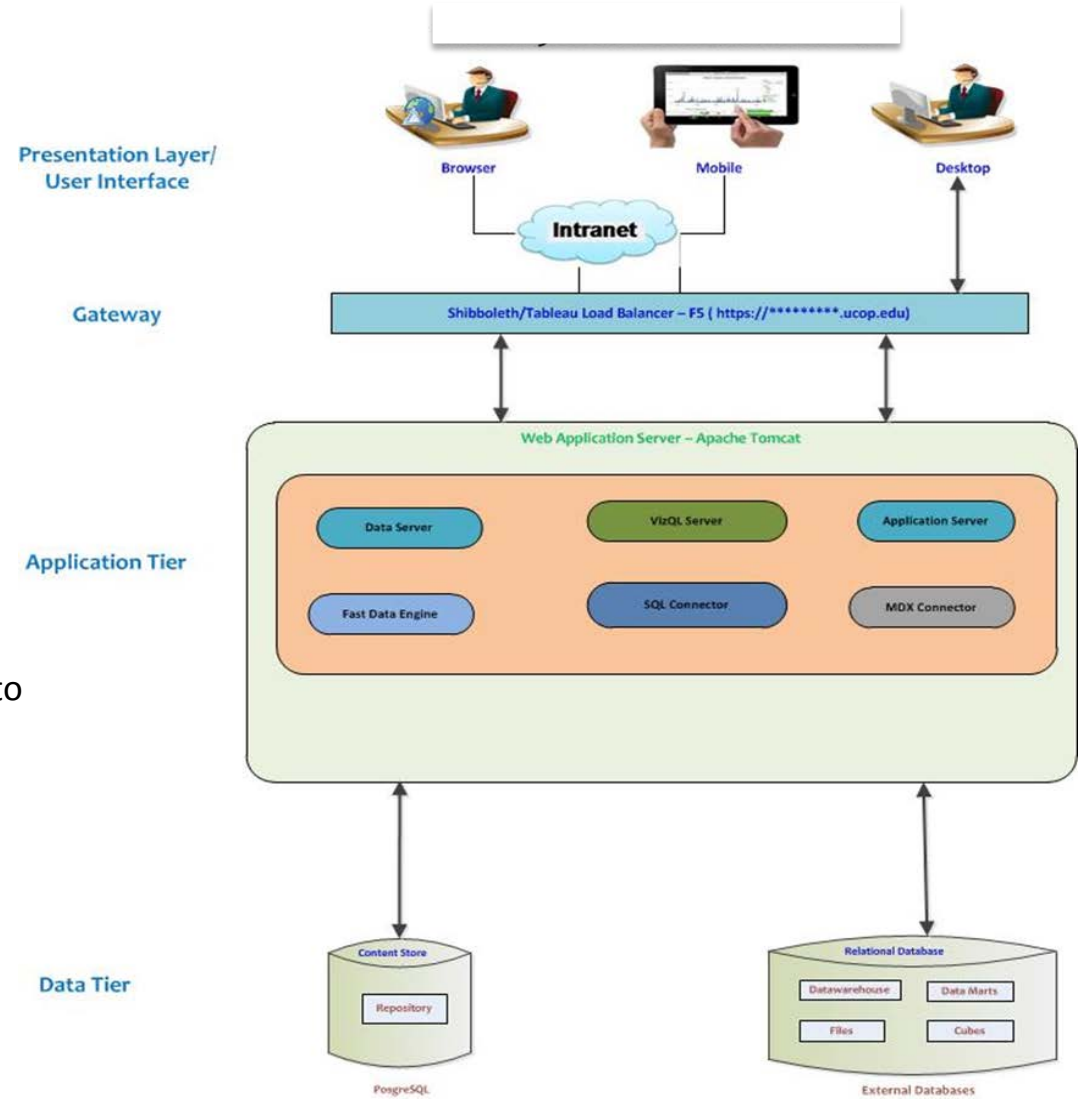
Agenda

- 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

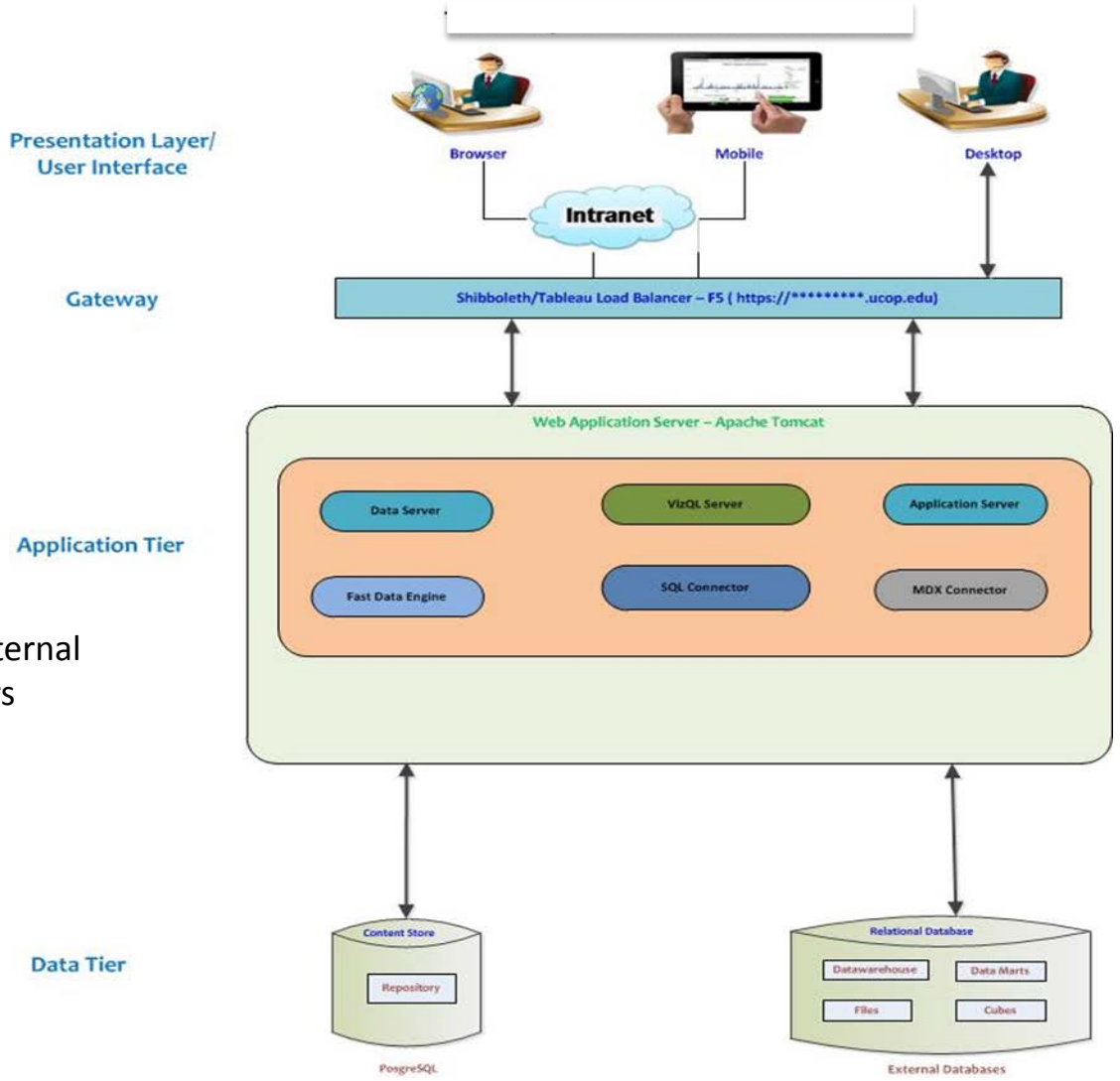
Tableau 10.0.1 QA Architecture



+ QA Server is internal to UCOP Users

CPU 8
RAM 64 GB
Windows Server 2012 R2

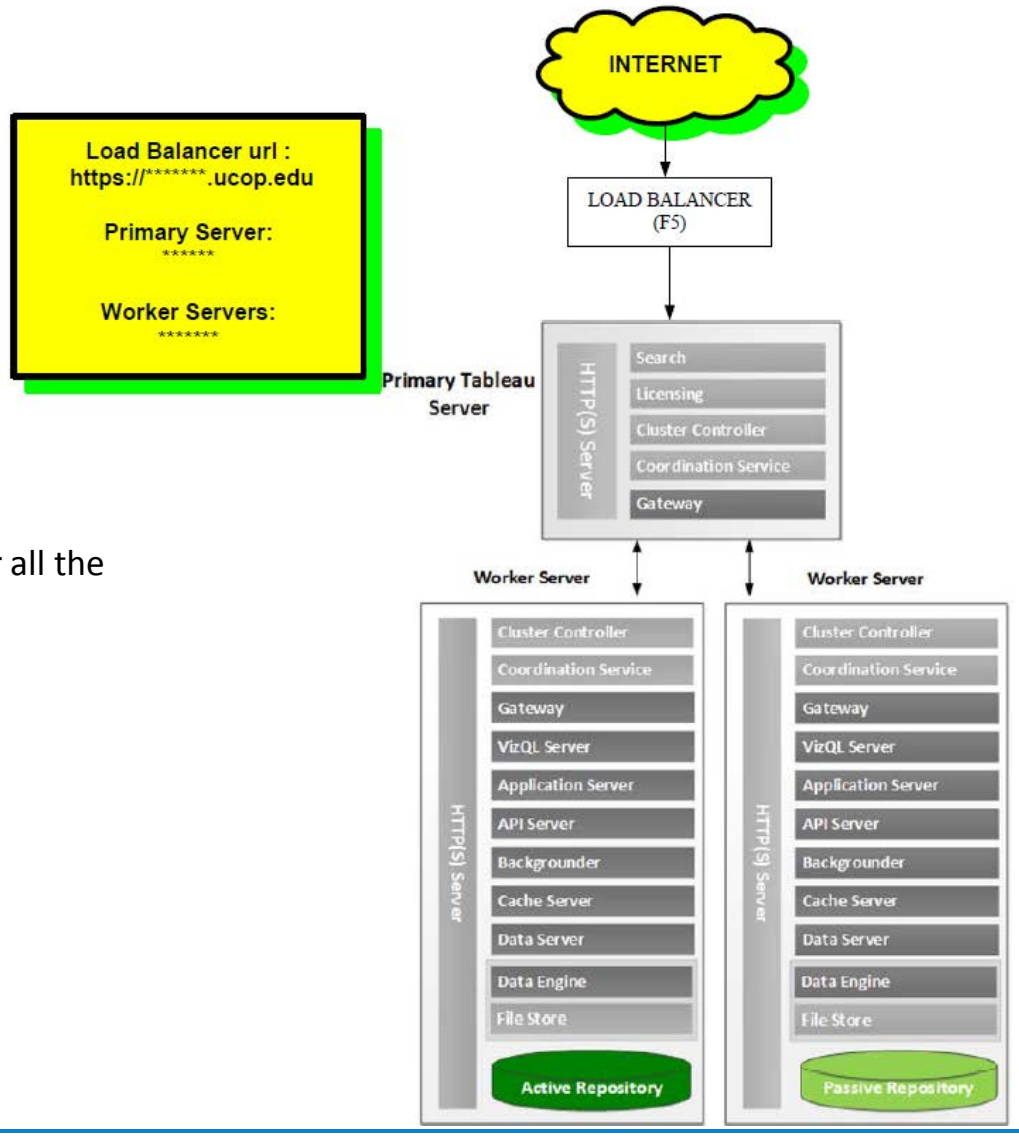
Tableau 10.0.1 UAT Architecture



+ UAT is for External Campus users

CPU 8
RAM 64 GB
Windows Server 2012 R2

Tableau 10.0.1 PROD Architecture



- Interactor permission are set for all the users on Prod

CPU 24
RAM 192 GB
Windows Servers2012 R2

UCOP Tableau Security

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

Tableau UCOP Implementation & Support

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

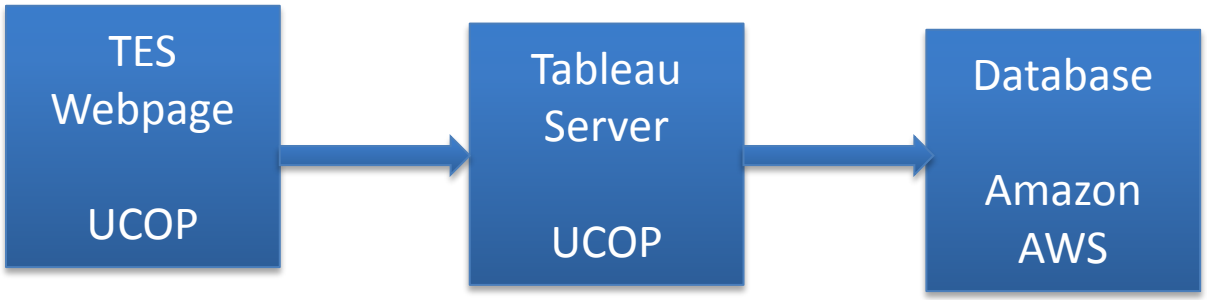
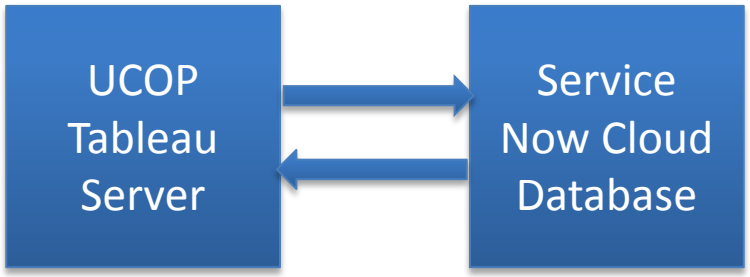


Tableau UCOP Implementation & Support

Dashboard with Extract



SHARE
Shared services

Tableau Server as a Shared Service

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

jupyter

Integration

+ableau
SOFTWARE

Integrating Tableau with Jupyter

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

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