

# University of California Tableau User Group (TUG)

Hosted By:

UC Office of the President

02-10-17

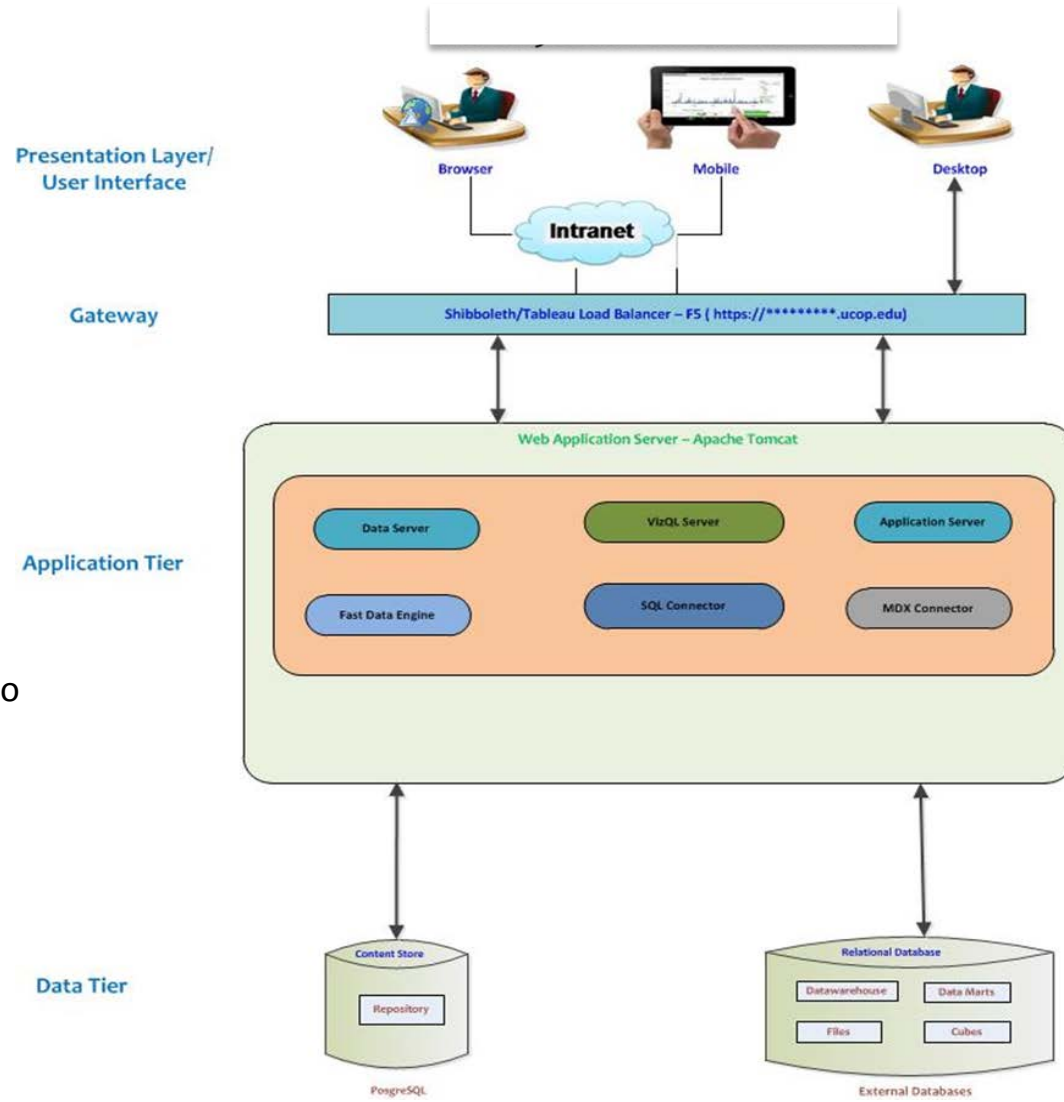
# Agenda

- 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



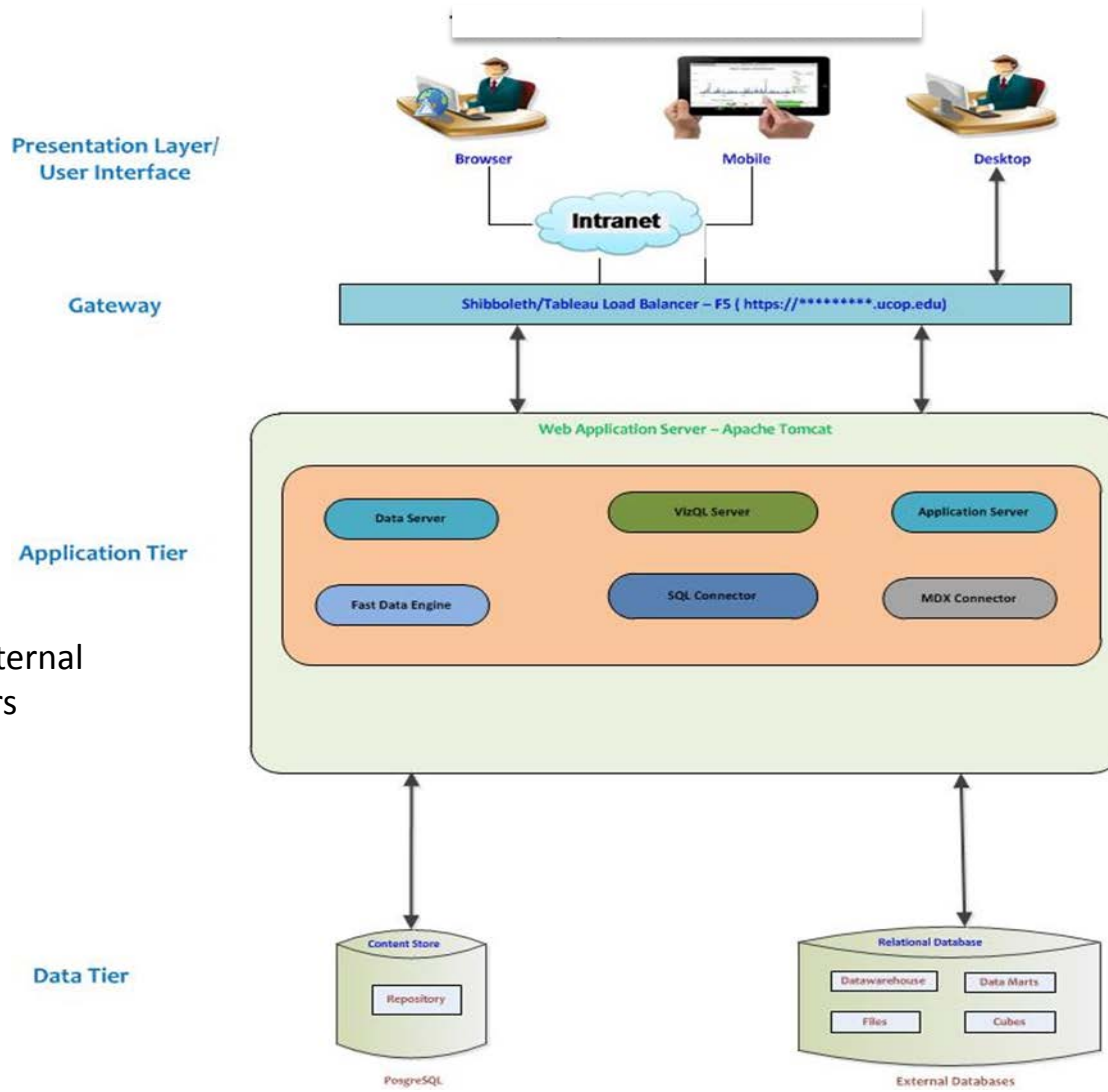
# Tableau 10.0.1 QA Architecture



+ QA Server is internal to UCOP Users

CPU 8  
RAM 64 GB  
Windows Server  
2012 R2

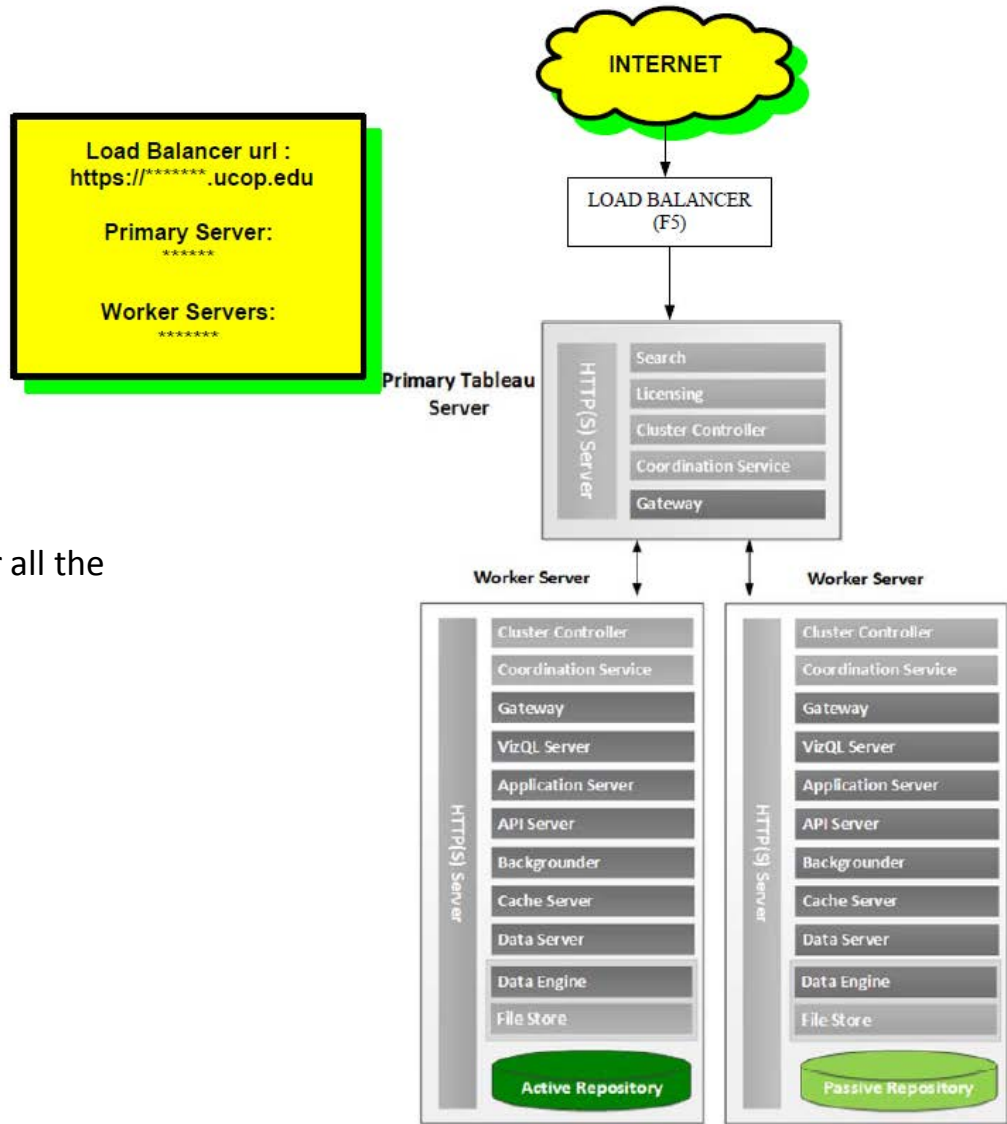
# Tableau 10.0.1 UAT Architecture



+ 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

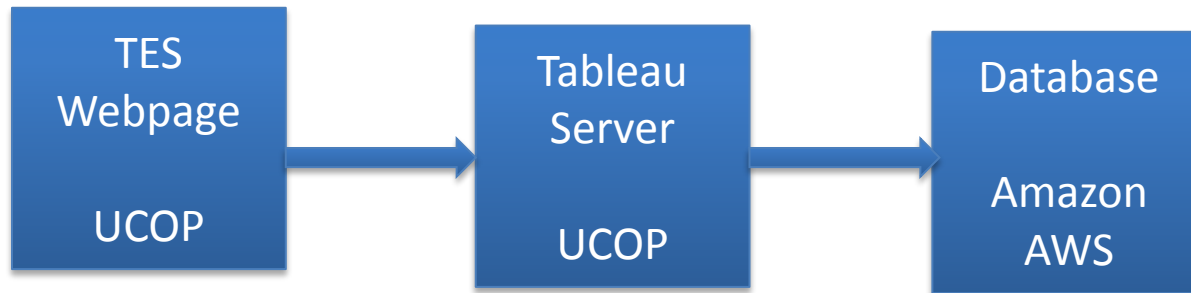
### 4. Security implementation with in Dashboard.

### 5. Tableau Integration with SharePoint



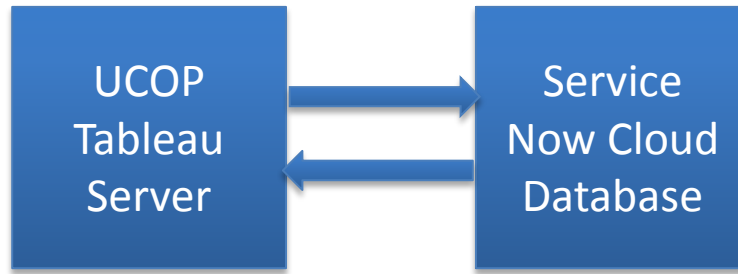
# Tableau UCOP Implementation & Support

## TES Implementations



# Tableau UCOP Implementation & Support

## Dashboard with Extract





# 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

