



Tableau Server Comprehensive

Course Duration: 5 days

Audience: This course is designed to provide in-depth coverage of all aspects of Tableau Server including general usage, installation, integration, customization, advanced administration, automation, embedding content into third-party applications, monitoring, troubleshooting, data security, system architecture, and process flows. This course is intended for IT or technical personnel who will deploy enterprise installations of Tableau Server or a consultant who will be involved in many deployments. Concepts are covered thoroughly, with many hands-on activities where theory is applied and tested.

Prerequisites: Strong technical background in system support or architecture. Note that Tableau Server Essentials **is not** a prerequisite for this course.

What you'll be able to do after this course:

- Install and configure Tableau Server
 - Find the minimum requirements for installing Tableau Server
 - List the (default) locations where Tableau Server files are installed
 - Explain the permissions necessary for setting up the “Server Run As User” account to run Tableau Server
 - List the (default) ports Tableau Server requires and describe how default ports can be changed during installation
 - Explain the purpose of and manage product keys
 - Explain how to get assistance with Tableau Server installation problems
 - List database drivers included in Tableau Server installation
 - Describe the differences in cache settings
 - Demonstrate making configuration changes to Tableau Server
 - Explain how SSL is implemented in Tableau Server
 - Discuss options for running Tableau Server in a distributed server environment
 - Customize the Tableau Server interface
 - Configure Tableau Server to meet architectural needs (high availability, high throughput)

- Upgrade a Tableau Server installation
 - Gather information for the pre-upgrade checklist from an existing installation of Tableau Server
 - Clean up an existing installation of Tableau Server
 - Backup an existing installation of Tableau Server
 - Migrate an existing installation of Tableau Server to new hardware during an upgrade
 - Describe changes in server processes from earlier versions of Tableau Server, and their impact on upgrades
 - Explain the different processes involved in doing an in-place upgrade and in migrating to new equipment during an upgrade
 - Explain what processes must occur for a successful upgrade
- Describe the functionality that Tableau Server provides and how it extends the power of Tableau Desktop to a broader audience
- Describe how Tableau Server fits into the Tableau Product Suite and how the various products interact
- Explain reasons for choosing Tableau Server
- From an administrator's perspective, describe how end-users interact with Tableau Server
 - Create a visualization in Tableau Desktop
 - Publish a visualization to Tableau Server
 - Include data extracts and schedule updates when publishing to Tableau Server
 - View and interact with visualizations published to Tableau Server
 - Utilize embed tags and URL parameters to include Tableau visualizations in webpages, portals, and applications
- Describe the functions of each of the components of Tableau Server (gateway server, VizQL server, application server, data server, backgrounder, repository service, and extract host) and how they interact
- Describe Tableau Server's two licensing models and which is appropriate to specific situations
- Describe the levels of security in Tableau Server and define how they are used
 - List the options for authentication within Tableau Server and explain the benefits of each
 - Describe authorization and the flow of permissions within Tableau Server
 - Manage content permissions
 - Describe how database security works in Tableau Server
 - Explain how Tableau Server processes safeguard data
 - Configure Tableau Server to work through a firewall or DMZ
 - Describe scenarios in which Tableau Server might require a Secure Sockets Layer certificate and configure SSL certificates

- Manage users, groups, sites, and permissions in Tableau Server
 - Add, edit, and delete user accounts
 - License Tableau Server users
 - Assign and manage users' permissions
 - Explain what content administrators do on Tableau Server
 - Add, edit, and delete groups in Tableau Server
 - Explain how multi-site installations of Tableau Server differ from single-site installations
 - Add and manage sites in Tableau Server
- Describe content structures within Tableau Server
 - Create projects in Tableau Server
 - Assign workbooks to project on Tableau Server
 - Assign permissions to workbooks and data sources
- Use command line utilities to complete tasks
 - Start and stop Tableau Server
 - Back up and clean up Tableau Server
 - Change configuration settings
 - Automate tasks
- Manage data sources
 - Define data sources, data connections, and data extracts
 - Create data connections and make them available to Tableau Desktop users
 - Describe the database server authentication process
- Monitor and audit a Tableau Server installation
 - Describe the default views created for monitoring Tableau Server performance
 - Discuss best practices and common mistakes in designing views
 - Identify and resolve data access issues
 - Research infrastructure issues
 - Research permissions issues
 - Find log files for Tableau Server
 - Archive and delete log files
- Troubleshoot Tableau Server
 - Identify licensing issues within Tableau Server
 - Alter licensing to correct problems
 - Access additional resources for help with Tableau Server

Course includes: This course will include a workbook containing key concepts on each topic covered and hands-on activities to reinforce the skills and knowledge attained. A flash drive containing supporting documents for the activities and further resources is also provided.