

Venkata Pavan Varma ,Gottimukkala
Tableau Technical Admin/Architect
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SUMMARY

Tableau Solution Consultant, U.S.Veteran and U.S.CITIZEN with 16+ years of professional experience in Business Intelligence Tools (Tableau, SAP Business Objects, Power BI) and in Information technology with skills in all phases of Data Warehouse lifecycle developments, Client/Server Applications and Internet Applications. Currently possess secret security clearance until 2031.Certified COMPTIA SEC+ 601 valid until 2024.

EXPERIENCE

- Strong experience in installation, configuration, administration, technical support, troubleshooting and maintenance in a distributed environment and overall health of the BI Tools implementations.
- Expertise in providing guidance in the design, development, planning, security, migration, upgraded analysis, trouble shooting, performance tuning, sizing and implementation of business intelligence products.
- Experience in implementing patches including both minor and major upgrades to ensure the constant uptime and proper tuning and backups and restore.
- Experience with reading through logs to work through problems finding root causes and rectifying.
- Expertise in WINAD SSO, SAML SSO, Trusted Authentication and integration with other applications and Implementing SAP ECC/BW/HANA, MS SQL Server database SSO implementations.
- Experienced in troubleshooting performance issues, capacity planning and load balancing both scheduled and ad-hoc reports.
- Experience in end-user community, responding to help desk calls and trouble tickets, working with vendors to resolve HW and SW problems.
- Detailed experience in understating database environments, SQL and data warehousing techniques/ETL to support partnership with Data Architects and DBAs for data architecture and database needs and configuration.
- Excellent interpersonal skills, energetic team player with demonstrated proficiency for learning new tools with excellent communication and analytical skills.

EDUCATION

- MS Computer Science ~ 2009
University of Virginia, VA, USA
- Master of Science ~ 2005
Visakhapatnam, INDIA

AREAS OF EXPERTISE

- End to End Server Implementations in Linux & Windows operating Systems hosting on VMware, AWS, AZURE.
- Upgrade and Migrations.
- Implementation of SSL, WINAD SSO, Trusted Authentication, SAML SSO.
- Configuration of SSO certificates to SAPBW/HANA for data level security.
- Troubleshooting performance Issues, Memory tuning & Capacity planning.

SKILLS

- **Reporting Tools:** Tableau, SAP Business Objects, Power BI, Crystal Reports, Lumira, Hyperion
- **ETL:** SAP Data Services, SAPBW Informatica, DataStage
- **Databases** Oracle, MS SQL Server, MySQL, PostgreSQL, DB2, AWS Redshift, Teradata, Couchbase
- **Tools & Languages:** Dbeaver, SQL Developer, Eclipse Python, RServe, Linux Shell, HTML, CSS, Java Script.

Work Experience:

Apr-2020 – Sept- 2022

Defence Health Agency, DoD, Washington D.C.

Sr. Tableau Server Admin/BO Architect

Responsibilities:

- Installed & Configured Tableau 2020.2.4 on RED HAT LINUX VMware & AWS REDHAT Linux servers on a 3-node cluster environment.
- Upgraded Tableau from 2020.2.4 to 2021.2.3 a three node cluster environment.
- Installed & Configured Tableau 2020.1 on WINDOWS 2016 server to do a POC for PREP command line scripts.
- Installed Tableau Prep Builder 2020.2 and created Schedule output flows using Prep Conductor Data Management Add-on.
- Installed Tabpy, RServe, R Studio, Python on Linux environment for Tableau Integration with Python & RServe.
- Created & Implemented .jsp Trusted authentication page using JAVA API for to view Tableau dashboards on TV screens, integrate with confluence and SharePoint.
- Create customized portal landing page for Excalibur Executive Dashboards using HTML, css, JavaScript API with a site listing as icons and descriptions.
- Installed and configured Neo4J webdata connector for Tableau to connect to Neo4J using web data connector.
- Migrated Objects between environments using Tableau Content Migration Tool.
- Configured VizQL Configurations settings for Report spin issues.
- Created Couchbase Data Extraction shell script to extract data to .csv file utilizing the Couchbase Analytics REST API and connected Tableau to the extracted csv file.
- Installed and configured Zabbix monitoring tool on linux to monitor Tableau services memory and cpu utilization.
- Installed Logshark Tool for to monitor Tableau logs for to debug errors.
- Developed Tableau Schedule Alert Dashboard using tableau repository data to send alerts when an extract/flow schedule fails.
- Extracted .p12 SSL certificates using OpenSSL and configured to all 40 Tableau individual servers.
- Configured Tableau server processes to maximize the server performances as per sizing guidelines.
- **Installed MySQL, AWS Redshift, Oracle, Dremio ODBC Drivers and Fonts on REDHAT LINUX.**
- Configured Tableau Bridge service for Tableau online schedules and created scripts to refresh cache after the extract runs.
- Configured & Integrated Tableau with LDAP server for user logins and smtp for sending emails.
- Created Monitoring scripts to monitor CPU/Memory and Tableau services monitoring script to alert using email.
- Created Tableau Repo Backup script, log cleanup scripts and weekly maintenance scripts for Tableau environment.
- Provided infrastructure troubleshooting for Tableau Server (VMs, IPs, system/network, firewalls)
- Provided application expertise and guidance for users and system engineers
- Documented standards/best practices for development and administration of the Tableau platform
- Consulted on Tableau server performance enhancements and server reconfiguration based on workbook complexity and data extraction.

- Created/Managed Groups, Workbooks and Projects, Database Views, Data Sources and Data Connections.
- Developed Tableau reports & Prep Flow for Hybris Operational Reports for ship & shore side.
- Developed custom tableau report for summary of sales to download data with excel formulas.
- Facilitated with tech Support to Formulate a Strategy for Implementing Good User support.
- Worked with firewall team to open ports between Tableau server and Databases, validated ports using telnet command.
- Documented complete server architecture and solutions to troubleshoot performance, scheduling, and server related issues.
- Configured Pager Duty email setup for Tableau to send Tableau service alerts to Email & Phone.
- Provided 24x7 operational support for all production related issues, troubleshooting and system maintenance and ensured maximum uptime of the servers.
- Proficient in Alteryx ETL and analytical platform using either preexisting modules or customizing applications to the current task and business rules.
- Excellent hands-on Experience in ETL (Extraction Transformation and Loading) by extracting large volumes of data from various data sources using Alteryx & SSIS.
- Experienced in Alteryx to prep, blend, and analyze data using a repeatable workflow, enabling deployment and sharing analytics for deeper insights in hours.
- Migrated existing Excel manual processes into Alteryx & automate it using Control M to produce required results.
- Deployed, tested and scheduled Alteryx workflow using Alteryx Gallery & Control M.
- Assisted business analyst on high level in understanding how new reporting tool like SSRS, tableau will help in Alteryx process.
- Optimized other tax projects like DRD, Divisional Tax Allocation and TEFRA which helped business user by saving 800 hours yearly on excel.
- Extensive experience in Extraction, Transformation, and Loading (ETL) data from various data sources into Data Warehouse using Alteryx (Data extraction, blending and Reporting).

Environment: Tableau 2021.2/2020.1/2019/ 2018, Tableau Prep, Tableau CMT, Alteryx, Power BI, Informatica, Couchbase ,MySQL, AWS RED Shift, Dremio, Oracle 12x, MS SQL Server 2016 , Google Sheets, DBeaver, Windows 2016, REDHAT LINUX 7.3

April -2014– March - 2020
Calliduscloud, Dublin, CA
Sr. Tableau Admin/Architect

Responsibilities:

- Responsible for Tableau Server Administrative functions, upgrades, installations, configurations, license management, backup /restore of servers.
- Installed & Configured Tableau 10.5.5 Patch on Tableau 10.3.3 on Insight Windows 2016 Servers
- Installed & Configured Tableau 2018.2.3 on REDHAT LINUX 6.7 for CorpSys.
- Configured Tableau server processes to maximize the server performances as per sizing guidelines.
- Installed and configured Google certificates to do oAuth data connection with Tableau.
- Increased Java Heap Size using Tabadmin set command from 128m to 256m for to increase load on number of user's login.
- Installed and configured Tabmon for Monitoring Tableau process memory & CPU Utilization and System Performance.

- Created restart, backup, cleanup Batch scripts for to restart Tableau server to take Weekly to cleanup memory & CPU and take backup of repository.
- Created/Modified/Managed data extraction by schedules and create schedules as per the business needs and scheduled extract during off-hours and enhanced performance of the server loads.
- Imported tableau workbook UPPStarterKit.twb that was provided Tableau ELITE support to monitor tableau performance, user logins etc.
- Used tabcmd to add users to import users in bulk to tableau server.
- Restored Tableau server from a backup when user requested for a deleted workbook.
- Responsible for maintenance activities like logs cleanup and archiving log files, taking tableau repository backs in prescribed intervals used for business continuity during a disaster.
- Created/Managed Groups, Workbooks and Projects, Database Views, Data Sources and Data Connections.
- Responsible to assist in troubleshooting application, database connectivity, networking, operating system issues.
- Responsible to work with firewall team to open ports between Tableau environments & Database environments.
- Consulted on Tableau server performance enhancements and server reconfiguration based on workbook complexity and data extraction
- Installed Tableau Desktop Client on Citrix Environment and Installed Database Client Software's for DB2, Teradata, Oracle, MySQL, SAP BW, SAP GUI.
- Monitor & Optimized enter Tableau Landscape including server sizing and configurations.
- Updated backgrounder query limit Timeout value from default values 7200 seconds to 10,000 seconds for the extracts to run that takes more than 2 hours, enable clickjack_defence setting to true for to open iframes from tableau url's using tabadmin set Command.
- Created/Managed Groups, Workbooks and Projects, Database Views, Data Sources and Data Connections.
- Monitored server activity/usage statics to identify possible performance issues/enhancements
- Performed Parallel Testing or Production Testing, which ensures that the new system will perform correctly in a production environment and interface correctly with other production systems.
- Created batch script using tableau refresh extract command to upload data from an excel sheet to server and scheduled to run.
- Categorized the users such as Viewer, Interactor, Site Administrator and identified their roles and defined Tableau Security model.
- Worked on creation of user groups, projects workbooks and the appropriate permission sets for Tableau server logons and security checks.
- Involved in data validation of the results in Tableau by validating the numbers against the data in the database tables by querying on the database.
- Installed Tidal Agent on Tableau Server and tested calling a Batchscript from Tidal to refresh Tableau extract once ETL jobs finishes.
- Design, implement and maintained disaster recovery (D.R) strategies and plans including backup plans scripts, recovery procedures.
- Implemented and configured SAML SSO for Tableau Environments.
- Scheduled data refresh on Tableau Server for weekly and monthly increments based on business change to ensure that the views and dashboards were displaying the changed data accurately.
- Responsible for creating/Mange Sites, User Groups, Data Connections, Server task schedules.
- Involved in publishing of various kinds of live interactive data visualizations dashboards reports and workbooks from Tableau Desktop to Tableau servers.
- Involved in Creating Users Groups Projects Workbooks and assigned Access levels in Server.

- Participated in the User Acceptance Warranty Testing. Involved in doing security and negative
- Responsible for Maintenance, Implementation of SAP Business Objects BI 4.X including Architecture Design, Installation, Sizing, Server maintenance, Performance tuning, Migrations and optimization, Test planning and execution.
- Installed & Configured SAP Business Objects BI 4.2 SP3 & SP 3.5 Patch on Windows 2016 physical servers.
- Installed, Configured SAP Business Objects 4.1 SP6 on Windows 2012 VM Servers & migrated content from BObj 3.1 to BObj 4.1 using Upgrade Management Tool for S21 CCI BObj Environment.
- Designed/Updated and implemented security model by creating of user groups, access levels and granted access to BOE applications to users and adding security restrictions (application level, folder level and object level) based on user profile and user groups for BObj BI 4.2 S21 CCI environment.
- Created user based repositories (local repositories), Central Repositories through Data Services Repository Manager and added in Job server.
- Design and implement security by creating of user groups, granting access to BOE applications to users and adding security restrictions (application level, folder level and object level) based on user profile and user groups.
- Installed and configured Lumira 2.1 Add-on for SAP Business BI 4.2 Insight environment.
- Facilitated with tech Support to Formulate a Strategy for Implementing Good User support. Worked with firewall team to open ports between Tableau server and Databases, validated ports using telnet command.
- Provided technical support to IT management and developers to ensure efficient applications and adherence to standards.
- Facilitate with tech Support to Formulate a Strategy for Implementing User support.
- Tuned Tableau system at OS Level, Network level & Application Level and optimization for better performance.

Environment: Tableau 2018/10.2.3/10.3, SAP Business 4.2 Sp 3, Oracle 11g, MS SQL Server 2012, SAP BW 7.4/SAP ECC, TeraData V13, MS Access 2012, SQL Developer 1.5, Remedy 8.1, Windows 2012

Jun- 2010 – Jul- 2014

US Army Base, Fort Drum ,NY

Sr. Tableau /BObj Administrator/ Architect

Responsibilities:

- Installed Tableau 8.1.6 on clustered Environment with Primary & worker nodes on Windows 2008 servers & Tableau 9.2 on Windows 2012 servers.
- Upgraded Patch Tableau 9.2 on Windows 2008 Clustered environment & Patch Tableau 10.1 on Windows 2012 servers.
- Installed & Configured Tableau 10.1 on AWS Platform for POC.
- Extensively used Tabadmin and Tabcmd commands in creating backups, restoring backups of Tableau repository and adding bulk users, refreshing extracts etc.
- Implemented and configured SAML SSO for Tableau Environments.
- Scheduled data refresh on Tableau Server for weekly and monthly increments based on business change to ensure that the views and dashboards were displaying the changed data accurately.
- Responsible for creating/Mange Sites, User Groups, Data Connections, Server task schedules.
- Involved in publishing of various kinds of live interactive data visualizations dashboards reports and workbooks from Tableau Desktop to Tableau servers.
- Involved in Creating Users Groups Projects Workbooks and assigned Access levels in Server.

- Performed Parallel Testing or Production Testing, which ensures that the new system will perform correctly in a production environment and interface correctly with other production systems.
- Involved in creating dashboards and reports in Tableau 8.x/9.x & 10.x, Created report schedules on Tableau server.
- Participated in the User Acceptance Warranty Testing. Involved in doing security and negative testing of the application.
- Performed administrator duties including publishing reports, creating, modifying, or managing server task schedules, monitoring server activity and usage statistics to identify possible performance issues and enhancements.
- Drew upon full range of Tableau platform technologies to design and implement proof of Concept solutions and create advanced BI visualizations.
- Documented complete server architecture and solutions to troubleshoot performance, scheduling, and server related issues.
- Created dashboard views from provider information data to members
- Helped customize Tableau Server with Company Logo.
- Created side by side bars, Scatter Plots, Stacked Bars, Heat Maps, Filled Maps and Symbol Maps according to deliverable specifications.
- Incorporated a regional and national comparative / benchmark metrics to give context to Horizon performance
- Installed & Configured SAP Business Objects BI 4.2/BI 4.1 with CMS & Audit Data base on RED HAT linux 5.9 64 bit servers and Windows 2008 servers
- Applied fixes/service packs for registered bugs and involved in tuning and monitoring the server performance.
- Implemented BOBJ Monitoring script using Perl Script and deployed to all BOBJ Environments
- Migrated Windows BOBJ Platform to Linux Platform by repointing old BOBJ Windows Platform CMS repository and FRS NAS Storage to New Linux Platform using Cmsdbsetup.sh & Serverconfig.sh
- Categorized the user's such as Power users, Casual Users, Authors and identified their roles and usage with Web Intelligence and crystal reports and applied rights accordingly and handled the user security for supporting various organization views.
- Monitor / tuned Business Objects environment based on performance and usage levels.
- Used Promotion Management Tool(LCM) to Promote Reports ,universes, Publications, Infospaces, eviews from environment to environment
- Configured & modified default connection timeout settings for Crystal processing server, Crystal Cache server, Web Intelligence Servers ,BI launch Pad, Tomcat .
- Installed SAP Data Services 4.2 Sp5 , Information steward 4.2 Sp 5 & Information Platform services 4.2
- Involved in the Check in, Check out, get operations with other local repositories from Central Repositories.
- Created user based repositories (local repositories), Central Repositories through Data Services Repository Manager and added in Job server.
- Design and implement security by creating of user groups, granting access to BOE applications to users and adding security restrictions (application level, folder level and object level) based on user profile and user groups.
- Migrated Windows BOBJ Platform to Linux Platform by repointing old BOBJ Windows Platform CMS repository and FRS NAS Storage to New Linux Platform using Cmsdbsetup.sh & Serverconfig.sh
- Recreated SIA & repointed CMS database using serverconfig.sh and cmsdbsetup.sh for to restore BOBJ from backups and to restore deleted content.

- Configured LDAP Single Sign on (SSO) using Trusted Authentication.
- Converted CPU Licensing to Named/Concurrent user licensing and also deployed java script to convert selected users to Named users Java SDK code.
- Administrated BO security and users using CMC. Implemented the security skeleton in Business Objects BI 4.1 Environment.
- Used Promotion Management Tool(LCM) to Promote Reports ,universes, Publications, Infospaces, eviws from environment to environment.
- Facilitate with tech Support to Formulate a Strategy for Implementing good User support.
- Installed and configured BObj 3.1/4.1 Client tools on Citrix Server.
- Migrated BObj 3.1 Content (Reports, Universe, User security) using Upgrade Management tool to BObj 4.1.
- Configured & modified default connection timeout settings for Crystal processing server, Crystal Cache server, Web Intelligence Servers, BI launch Pad, Tomcat.
- Monitor / tuned Business Objects environment based on performance and usage levels.
- Tuned Business Objects system at OS Level, Network level & Application Level and optimization for better performance.

Environment: Tableau 8.x/9.x/10.x, Business Objects BI4.2/4.1/XI3.1,Crystal Reports 2013/2011/2008/XI , Xcelsius 2008, Dashboard Designer 4.0, Upgrade Management Tool, ,Crystal Enterprise 4.0,SAP Data Services 4.2 Sp5 ,Tableau 8.x/9.x/10.x, Oracle 11g,MS SQL Server 2005,SAP BW 7.0.8/SAP ECC, TeraData V13, MS Access 2003, SQL Developer 1.5, Tomcat 7/6, Vmware 6.5,Remedy 8.1, RED HAT LINUX 5.9, AWS, Windows 2008/2012

June 2009 – June 2010

Kaiser Permanente, Pleasanton, CA
Business Systems Analyst (BO Admin)

Responsibilities:

- Involved in **day-to-day** Business Objects Server maintenance.
- Installed and Configured the Multi server architecture of Business Objects XI R2 which involves high level tasks like clustering, Load Balancing, Disaster Recovery and Security setup.
- Defined server statistics & load balancing test across enterprise environment.
- Installed & Configured **Business Objects XIR2** on **Win 2003 & IBM AIX 5.3 UNIX**
- Applied **patches** for Business Objects XI R2 &Business Objects XI 3.1 registered bugs.
- Installed **fix packs and service packs** on DEV, QA and PROD BOBJ server
- Migrated BO **Universes, Reports and User Profiles** from BO 6.5.1/Crystal Reports 10 to Business Objects XI R3.1.
- Created/Administered users/user groups/Security in **Crystal Server XI CMC**
- Involved in all phases of migration from Crystal Enterprise 10 to Business Objects XI R2.
- Provided production support role with daily hands on support of production activities including system enhancements, break-fix, requirements gathering and end user support.
- Facilitated meetings across Departments for implementing a standard Architecture for deploying.
- Used Report Conversation tool to convert BO 6.5.1DeskI reports to BO XI R2 WebI reports.
- Directed and implemented entire BO life cycle for migration and **Universe & report** development.

- Customized Business Objects Universes for Strategic Planning Scorecard and **POC (Proof of Concept)** modules.
- Actively involved in gathering server sizing requirements for software/hardware
- Implemented Row level, Object level security in the universe to make the sensitive data secure.
- Extensively worked on scheduling of the Business Objects reports, configured SMTP, FTP.
- Provided technical assistance/support to analysts, business community and responded to inquiries regarding errors, problems, or questions with programs/interfaces.
- Actively involved in gathering server sizing requirements for software/hardware
- Directed and implemented entire BO life cycle for **migration and Universe & report** development.
- Extensively used **Import Wizard, publishing wizard** for Migration of Business Views and **reports** to PROD, SYS and DEV environments from Crystal 10 to XI version to their respective domains.
- Defined **users and their profiles** with appropriate access privileges.
- Designed **Production System support** and handling opened user cases.
- Implemented Best Practices for Using Business Objects Suite of Products.
- Designed Test cases for UAT of Reports for end users.
- Defined metrics with goals for predictive analysis and set analysis.
- Involved server sizing, load testing & performance testing of Business objects in shared environment.
- Exported the **Universes** to the **Repository** to make resources available to the users.
- Provided 24X7 production support.

Environment: Oracle 10G, Business Objects XI 3.1/XIR2, Web Intelligence and Infoview XI R2, Desktop Intelligence, CMC, Import Wizard, Universe Designer, Java script, PL/SQL Developer, Windows 2003 advanced server.