

"AVEVA Historian Server Certified Exam Prep"

Course Introduction:

The AVEVA Historian Server Certified Exam Prep course is designed to equip participants with the necessary knowledge and skills to successfully pass the AVEVA Historian Server certification exam. This course covers all crucial elements of the Historian Server, including configuration, management, and troubleshooting. It provides an in-depth understanding of data collection, storage, and retrieval processes, ensuring that participants can effectively implement and manage Historian Server in industrial environments.

Module 1: Introduction to AVEVA Historian Server

- Overview of AVEVA Historian Server: Understand the role of Historian Server in industrial data management and its integration within the AVEVA software suite.
- Benefits and Applications: Explore the key advantages of using Historian Server in various industries and its application in real-world scenarios.
- Certification Exam Overview: Get acquainted with the structure and content of the Historian Server certification exam to focus your preparation effectively.

Module 2: Installation and Configuration

- System Requirements and Pre-installation Checks: Learn about the hardware and software prerequisites for installing Historian Server.
- Installation Process: Step-by-step walkthrough of the installation procedure, including common pitfalls and troubleshooting tips.
- Initial Configuration: Configure basic settings necessary for the operational functionality of Historian Server.

Module 3: Data Collection and Tag Configuration

- Understanding Data Sources: Identify different data sources compatible with Historian Server and their configuration.
- Tag Creation and Management: Learn how to create, modify, and manage tags to ensure accurate data collection.
- Data Collection Strategies: Explore various strategies for efficient and accurate data

collection tailored to organizational needs.

Module 4: Data Archiving and Management

- **Archive Configuration:** Understand the principles of data archiving and how to configure archives for optimal storage and retrieval.
- **Archive Management and Maintenance:** Learn best practices for managing and maintaining data archives to ensure data integrity and availability.
- **Data Compression Techniques:** Explore data compression options to optimize storage space without compromising data quality.

Module 5: Data Retrieval and Reporting

- **Query and Retrieval Methods:** Master various methods for querying and retrieving data from the Historian Server.
- **Reporting Tools and Techniques:** Use built-in and third-party tools to generate insightful reports from historical data.
- **Real-time Data Visualization:** Understand how to visualize real-time data using Historian's visualization tools for effective decision-making.

Module 6: Security and User Management

- **Security Basics:** Learn about the security features within Historian Server to protect sensitive data.
- **User Roles and Permissions:** Configure user roles and permissions to control access to the Historian Server.
- **Audit and Compliance:** Understand how to implement auditing and compliance measures to meet industry standards and regulations.

Module 7: Performance Monitoring and Troubleshooting

- **Monitoring System Performance:** Use built-in tools to monitor the performance of Historian Server and ensure optimal operation.
- **Common Issues and Resolutions:** Identify common issues that may arise and learn effective troubleshooting techniques.
- **Optimization Techniques:** Explore methods to optimize the performance of Historian Server for enhanced efficiency.

Module 8: Advanced Features and Integration

- **Advanced Configuration Options:** Delve into advanced configuration settings to leverage

the full capabilities of Historian Server.

- **Integration with Other Systems:** Understand how to integrate Historian Server with other AVEVA and third-party systems for seamless data flow.
- **Customization and Scripting:** Learn how to use scripting to customize and extend the functionality of Historian Server for specific needs.

Module 9: Exam Preparation and Practice

- **Review of Key Concepts:** Recap all the important topics covered in the course to solidify your understanding.
- **Practice Exams and Question Analysis:** Take practice exams to assess your readiness and analyze question patterns and types.
- **Exam Day Tips and Strategies:** Gain valuable tips and strategies for tackling the certification exam with confidence.

Conclusion:

This course provides a structured path to mastering AVEVA Historian Server, ensuring participants are well-prepared for the certification exam. By completing this course, participants will have developed a comprehensive understanding of Historian Server's capabilities and be well-equipped to implement and manage it in any industrial setting.