

"AVEVA PI Installation Specialist Certified Exam Prep"

Course Introduction

This comprehensive course is designed to prepare candidates for the AVEVA PI Installation Specialist Certification Exam. The curriculum provides an in-depth understanding of the AVEVA PI System components, installation procedures, and best practices. Learners will acquire the knowledge and skills needed to successfully set up and configure the PI System, ensuring optimal performance and reliability. By the end of this course, participants will be well-equipped to tackle the certification exam with confidence.

Module 1: Introduction to AVEVA PI System

- Overview of AVEVA PI System: Understand the purpose and key functionalities of the AVEVA PI System within industrial environments.
- Components and Architecture: Learn about the different components that make up the PI System and how they interconnect.
- Benefits of the PI System: Explore the advantages of using the PI System for data management and analysis.

Module 2: Preparing for Installation

- System Requirements and Compatibility: Identify the hardware and software prerequisites for a successful PI System installation.
- Network and Security Considerations: Understand the importance of network configurations and security measures before installation.
- Installation Planning: Develop a comprehensive plan to ensure a smooth and efficient installation process.

Module 3: Installing the PI Server

- PI Server Installation Process: Step-by-step guide to installing the PI Server, including necessary configurations.
- Configuring PI Server: Learn how to configure PI Server settings to match organizational needs.
- Troubleshooting Common Installation Issues: Identify potential installation problems and

learn how to resolve them.

Module 4: Installing PI Interfaces

- Overview of PI Interfaces: Understand the role of PI Interfaces in data collection and integration.
- Installing and Configuring PI Interfaces: Detailed instructions for setting up PI Interfaces to ensure accurate data flow.
- Managing PI Interface Connections: Best practices for maintaining reliable and efficient interface connections.

Module 5: Configuring PI Data Archive

- Data Archive Configuration: Learn how to set up and manage the PI Data Archive for data storage and retrieval.
- Data Security and Access Control: Implement security measures to protect sensitive data within the PI System.
- Monitoring and Maintenance: Techniques for monitoring data archive performance and ensuring system health.

Module 6: Installing and Configuring PI Client Tools

- Overview of PI Client Tools: Familiarize yourself with the various client tools available for data access and analysis.
- Installing PI Client Tools: Step-by-step process for installing client applications such as PI ProcessBook and PI DataLink.
- Customizing Client Tools: Tailor client tools to meet specific user requirements and enhance productivity.

Module 7: Advanced Configuration and Optimization

- Advanced System Configurations: Explore advanced configuration options to enhance system performance and capabilities.
- Optimization Techniques: Strategies for optimizing data flow and processing within the PI System.
- Performance Monitoring: Tools and methods for monitoring and improving overall system performance.

Module 8: Exam Preparation and Practice

- Exam Format and Structure: Understand the structure and types of questions to expect on

the certification exam.

- **Study Tips and Resources:** Effective study strategies and resources to maximize exam readiness.
- **Practice Exam Questions:** Engage with practice questions to test your knowledge and identify areas for improvement.

Conclusion and Next Steps

- **Review and Reflect:** Summarize key concepts and reflect on the knowledge gained throughout the course.
- **Certification and Beyond:** Guidance on taking the certification exam and exploring further learning opportunities within the AVEVA ecosystem.
- **Professional Development:** Discuss the benefits of becoming a certified AVEVA PI Installation Specialist and potential career advancements.



step forward