Automation College

Honeywell

Uniformance PHD: Fundamentals – Process Studio and System Administration

Course Overview

Course number: UNI-0002-VILT

Course length: 4 days

Need to do basic administration and access data on the Uniformance® R320 PHD system?

This condensed course provides the knowledge of features, tools and capabilities of the Uniformance® Process History Database (PHD) system including configuring the tags, monitoring and troubleshooting system operations, and managing user privileges. Hands-on exercises provide practical experience performing the essential PHD administration and management tasks. The course also provides the knowledge to utilise Uniformance Process Studio standard features for the access and analysis of Uniformance data using trends, tables, and MS-Excel Companion.

Course Benefits

Practical use and understanding of all the essential Uniformance PHD (desktop) interfaces, and tools, along with tips and tricks when working with PHD R320.

- Practical hands-on Administration of Uniformance PHD R320
- Design and configure tags, understand RDIs, understand the relationships of all the Uniformance PHD Services
- Tune tags and monitor PHD system
- Improve the understanding and utilization of Uniformance Process Studio resulting in efficient analysis and reporting of Uniformance data

Course Delivery Options

- Virtual Instructor-Led Training (VILT)
- IMPORTANT – Prior to registration for the e-learning courses (AT, RT, VILT, and VT), you must perform the User Readiness Test. Go to *Asynchronous Training, Recorded Training, Virtual Instructor-Led Training, and Virtual Training Access Requirements* to perform this test.

Who Should Take This Course?

Maintenance staff, engineers, and technicians that need to understand Uniformance PHD Administration and who are required to administer standard reports or use data from Uniformance PHD to prepare spreadsheets, reports, and other documentation.

- **PHD Administrators/Local Engineers** who create/maintain tag definitions, determine database access security, monitor archive disk usage, and troubleshoot data collection performance issues and DCS related issues such as communications interfaces
- **PHD End Users** who retrieve process history data and develop custom applications as needed to support plant information requirements
- Staff responsible for Uniformance PHD Maintenance
- Those taking their first steps to becoming Uniformance PHD R320 implementers

Prerequisite/Skill Requirements

Prerequisite Course(s)

- None

Required Skills and/or Experience

- Working knowledge of Windows
- Microsoft Excel (basic navigation and use of toolbar)

Desirable Skills and/or Experience

- Plant, process, and Distributed Control System tag knowledge

Course Topics

Attendee will develop detailed understanding of these topics including (but not limited to):

- What Uniformance PHD 320 is, and its role in Process Control
- Work in a number of labs with the PHD Configuration Tool
- Work with Tag Explorer and Client Tools
- RDIs and Tags, their roles in data collection and storage

Course Topics Continued…

- Create and modify Tags, work with inheritance
- Import-Export Database configuration, likeTags
- Work with and configure On-demand calculations or Virtual and Functions
- Work with and create Manual Input Tags
- Adding User-Defined Engineering Units
- Monitor and troubleshoot Tags, RDIs and other PHD components
- Work with logs, identify logs, roles and storage
- Utilise and use the Uniformance Console
- Understand PHD Accounts and Security Options
- Basic of PHD Architecture, PHD Archives and History Recovery
- Understand Robust Data Collection
- Configure UPS application defaults using the Desktop Configuration tool
- Select the appropriate data retrieval method and frequency
- Display data in the trend, multitrend, and table applications and configure their options
- Configure and operate time controls
- Create and manage workspaces
- Work with MS-Excel Companion

Additional Training

To increase your knowledge and skills, there are additional courses available from Automation College.

For more information and registration, visit
www.honeywellprocess.com/en-US/training