Three-Day Course Curriculum on ISO/IEC 19770-6:2024

Day 1: Introduction and Fundamentals

Morning Session: 9:00 AM - 12:30 PM

1. **Welcome and Course Overview**
    - Introduction to the course structure and objectives
    - Importance of ISO/IEC 19770-6:2024 in IT asset management
2. **Foreword and Introduction**
    - Understanding the purpose and scope of ISO/IEC 19770-6:2024
    - Key motivations behind the development of the standard
3. **Scope and Normative References**
    - Detailed examination of the scope of the standard
    - Overview of related standards and documents referenced in ISO/IEC 19770-6:2024

Break: 12:30 PM - 1:30 PM

Afternoon Session: 1:30 PM - 5:00 PM

4. **Terms, Definitions, and Abbreviated Terms**
    - Terms and definitions relevant to HWID tags
    - Abbreviated terms used in the standard
5. **Conformance Requirements**
    - HWID tag conformance
    - Application conformance
    - Platform conformance

Interactive Session:

- Q&A and group discussions
- Practical examples and case studies

Day 2: Interoperability and Implementation

Morning Session: 9:00 AM - 12:30 PM

1. **Interoperability Overview**
    - Key design decisions for interoperability
    - Detailed study of hardware identifiers (<hwidID>)
2. **Use Cases and HWID Types**
    - Overview of various use cases for HWID tags
    - Understanding different HWID types and supplemental HWID types
3. **Key Design Decisions**
    - Exploration of key design decisions related to HWIDs
    - Ensuring the uniqueness of identifiers

Break: 12:30 PM - 1:30 PM

Afternoon Session: 1:30 PM - 5:00 PM

4. **Interoperability Design Considerations**
    - Important considerations for interoperability
    - Best practices and guidelines
5. **Implementation of HWID Processes**
    - General implementation guidelines
    - Platform requirements and guidance
    - Roles and responsibilities of HWID creators

Hands-On Workshop:

- Developing a sample HWID tag
- Practical exercises on ensuring trustworthiness and authenticity of HWIDs

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Day 3: Data Specification and Practical Applications

Morning Session: 9:00 AM - 12:30 PM

1. **HWID File Data Specification**
    - General principles of HWID file data
    - Minimum HWID tag data required
2. **Recommended HWID Tag Data Values**
    - Best practices for including recommended data values
    - XML and JSON naming conventions for HWID tags
3. **Language Functionality and Element Structure**
    - Understanding language functionality in HWID tags
    - Structuring elements and defining data

Break: 12:30 PM - 1:30 PM

Afternoon Session: 1:30 PM - 5:00 PM

4. **Attribute Value Definition**
    - Detailed examination of attribute value definitions
    - Practical considerations for defining values
5. **HWID Considerations for Asset Management Platforms**
    - Integration of HWIDs into asset management platforms
    - Best practices and implementation strategies

Final Workshop and Q&A:

- Comprehensive exercise covering the creation, implementation, and management of HWID tags
- Q&A session to address any remaining questions or concerns

Closing Remarks:

- Summary of key takeaways from the course
- Feedback and course evaluation

Course Materials

- **Slides and Handouts:** Detailed slides covering all topics, handouts with key points and definitions, and a list of additional resources for further study.
- **Practical Exercises:** Step-by-step guides for hands-on workshops, sample HWID tags, and practical exercises to reinforce learning.
- **Q&A and Discussion Forums:** Opportunities for participants to ask questions and engage in discussions with the instructor and peers.

This course will provide participants with a comprehensive understanding of ISO/IEC 19770-6:2024, equipping them with the knowledge and skills to effectively implement and manage hardware identification tags in their organizations.