Advanced Synapse PACS Administration Course (Level II)
NSL-5ADV-SYSADM   (SAP# 800007001)   **Cost: $6,000**

INTENDED AUDIENCE:

This five day course is intended for *experienced* Synapse PACS Administrators and customers' PACS support staff who are interested in obtaining application engineer access to SWAT (Synapse Web Administration Tool) to manage the DICOM tables that support their imaging and image storage devices. It is also intended for those administrators who desire a greater understanding of some of the more clinical application aspects of the current release of the PACS product to better support their end-users.

Important Note: Customers who attend our Advanced classes have various versions of the PACS product installed at their facilities. The first day of class is intended to bring all attendees to the same level of knowledge on our *most current release version* of the product. Those who have recently attended a Foundation Administration class will have already worked with and gained some knowledge of that software. They will find some of the course content to be a review of what they have already learned in the Foundation class.

TRAINING MATERIALS:

Each student is provided a USB memory stick with all PowerPoint presentations used during the five days of training and relevant System Administration supporting documents in electronic format. In addition, students are each provided a training computer to use during the five days of instruction. The computers are presented as workstations connected to a live, virtual, current release version of Synapse PACS. The PACS software is installed using a VMware, host-based, virtualized platform. The patient study database with which the student will work has anonymized studies representing various imaging modalities.

COURSE DESCRIPTION:

This course includes a review of fundamental aspects of the most recent version of the Synapse PACS product. administration and management. This review will establish a foundation knowledge level from which advanced exposure to our product can be introduced. This consists of a series of topic lectures supplemented with animated, multimedia presentations and student exercises. The lecture topics include:

- In-depth review of Synapse 5 user interface
- Synapse related client requirements and browser considerations
- Comparative Synapse 5 vs. Legacy system architecture
- Introduction to Virtualization platforms
- Introduction to Synapse DICOM Server Control Panel operations
- SWAT Overview
    - Synapse Application Engineer (Advanced) level access
    - Dashboard
    - System
    - Workstation
    - Enterprise
- Synapse Clients Settings – e.g., Image Display, Reading Protocols, Workflow, PowerJacket

Advanced Synapse PACS Administration Course (Level II) continued

- Introduction to managing Synonyms
- Managing Series Standards
- Relating Procedure Codes
  - o Use of Visual Related Procedure Code Tool
  - o Importing Process
- Creating/Managing Reading Protocols
- Review of Synapse Acceleration Service (SAS)
- Using the Synapse CD Import Tool
- Introduction to Synapse Mobility

OBJECTIVES

Upon the conclusion of this course, the student should be able to:

- Understand and explain the concept of virtualization and the inherent benefits of in-stalling applications on a VMware virtualized platform

- Understand and explain the significant differences in Synapse PACS software architecture between 5.X and legacy release versions.

- Configure supported Internet Browsers for optimal system performance.

- Understand and explain the purpose of the various fields and configurable options available within DicomServer service

- Use the Synapse Web Administration Tool (SWAT) to:

  - o Create and manage user Roles and Users
  - o Manage user access rights to Folders
  - o Create Event Based Forwarding (EBF) profiles
  - o Create and manage Custom Folders (database views)
  - o Configure and manage Event Logs
  - o Configure DICOM devices with focus on defining related storage, query/re-trieve and/or modality worklist requirements
  - o Trace misfiled patient images or series
  - o Generate folder based reports
  - o Manage and understand database backup strategy
  - o Manage other ancillary tables (Body Part Mapping, Related Procedure Codes, Procedure Codes, Commonview Matching Criteria, etc.)
  - o Configure and use Event Based Forwarding
    - know the difference between the various modes of operation
    - know how EBF is used with Vendor Neutral Archives (VNA)

- Enable Synapse debugging logs for troubleshooting connectivity problems

- Understand the cautions of customer facing features in SWAT intended only for use by FMSU field service personnel

- Understand the requirements associated with creating and managing custom Reading Protocols

  - o Use the Reading Protocol Editor

- Utilize the latest versions of the Synapse CD Import Tool

- Explain some of the features and benefits of the Synapse Mobility product

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