INTERSYSTEMS LEARNING SERVICES

InterSystems Change Control

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ICC 500: Introduction to CCR Tier 1

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Objectives

- Explain at a high level what CCR Tier 1 means and when it is useful.
- Identify whether a deeper dive into CCR Tier 1 training material would be beneficial.

Part 1:
CCR Tier 1: Working with Custom Source Items

Review: Example types of changes for each CCR Tier

- CCR Tier 0:
  - File system path changes.
  - Memory settings.
  - User creation.
  - Patching.
  - Upgrades.
  - Any manual change to the environment or System.

- CCR Tier 1:
  - Classes.
  - Routines.
  - Reports.
  - CSP Pages.
  - JavaScript.
  - Integration logic.
  - DTL.
  - Productions.

Review: Example types of changes for each CCR Tier (cont.)

- CCR Tier 2:
  - Layouts.
  - Security groups.
  - Code table changes.
  - Workflow.

CCR Tier 1: The Fundamentals

- A “CCR Tier 1” Change Control Record tracks all of the change documentation recorded in a CCR Tier 0 record, and adds to it:
  - Recording of changes made to custom source items (typically edited via Studio or Atelier).
  - Source items automatically versioned within source control.
  - Delivery of items to or from the environments via the CCR Transport mechanism.

CCR Tier 1: The Fundamentals (cont.)

- A Perforce license is required in order to trigger the source control related actions which are part of a CCR Tier 1 workflow (specifically check-ins and integrations).
- Tier 1 CCRs are auto-populated with standard Implementation Plan and Backout Plan as the assumption is that the changes will be implemented via ItemSet deployment.
  - It is critical to change or augment those standard plans if manual steps are required.

CCR Tier 1: The Fundamentals (cont.)

- Any time changes are being made to source items, the Perforce branch *must* be kept in sync with the environments for TEST and LIVE; proper use of CCR process will do this.

CCR Tier 1: The Audience

- The courses focused on CCR Tier 1 (ICC5nn) are mostly focused on hands-on technical topics as Tier 1 involves changes to custom ‘source code’ which is itself a technical task.
  - Specifically, changes are usually made via an InterSystems IDE (e.g., Atelier or Studio) or the System Management Portal (e.g., to DeepSee items or DTL).
- Those taking these courses should already have a working knowledge of CCR Tier 0 usage and how CCR Transport works.

CCR Tier 1: The Audience (cont.)

- Additional CCR Tier 1 material relates to:
  - Baselining and building source code.
  - Topics dealing with HealthShare and Ensemble usage.
- While they should complete this Introduction course, non-technical users (e.g., TrakCare Application Specialists) will get little to no value from the other courses covering CCR Tier 1.

Quiz: CCR Tier 1 Applicability

Question:

Which groups of users are the CCR Tier 1 training materials applicable (select all that apply):

A. Users who use InterSystems Studio for writing custom integration code.

B. Users who spend all their time inside the InterSystems TrakCare application.

C. Users who work on custom DTL within InterSystems HealthShare.

Quiz: CCR Tier 1 Applicability (cont.)

Answer:

A. Users who use InterSystems Studio for writing custom integration code.

C. Users who work on custom DTL within InterSystems HealthShare.

TrakCare Application users should focus on CCR Tier 2 training, which covers how to manage changes to TrakCare configuration via CCR.

Quiz: CCR Tier 1 Functionality

Question:

Select all that distinguish a Tier 1 CCR from a Tier 0 CCR:

A. CCR Transport is used to move items to and from environments.
B. Items are versioned within the InterSystems Perforce server.
C. Changes made via Studio or Atelier are automatically tracked.
D. Configuration updates made through the TrakCare application are automatically tracked.

Quiz: CCR Tier 1 Functionality (cont.)

Answer:

A. CCR Transport is used to move items to and from environments.
B. Items are versioned within the InterSystems Perforce server.
C. Changes made via Studio or Atelier are automatically tracked.

TrakCare changes are tracked via Tier 2 CCRs.

Quiz: CCR Tier 1 Usage

Question:

Which of the following might be controlled via a Tier 1 CCR? Select all that apply.

A. Integration Logic.

B. Custom Classes.

C. TrakCare Security Groups.

D. Product Upgrades.

E. Changes to CSP Pages.

Quiz: CCR Tier 1 Usage (cont.)

Answer:

A. Integration Logic.

B. Custom Classes.

E. Changes to CSP Pages.

Changes to TrakCare Security Groups should be tracked in a Tier 2 CCR.

Product upgrades should be tracked in a Tier 0 CCR.

Areas for Further Study for CCR Tier 1

- ICC510 – Usage Basics.
- ICC520 – Baselining Source Code.
- ICC530 – Interoperability Components.
- ICC540 – HealthShare.

Summary

- What are the key points for this module?