



INTERSYSTEMS LEARNING SERVICES

InterSystems Change Control



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ICC 500:
Introduction to CCR Tier 1



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.



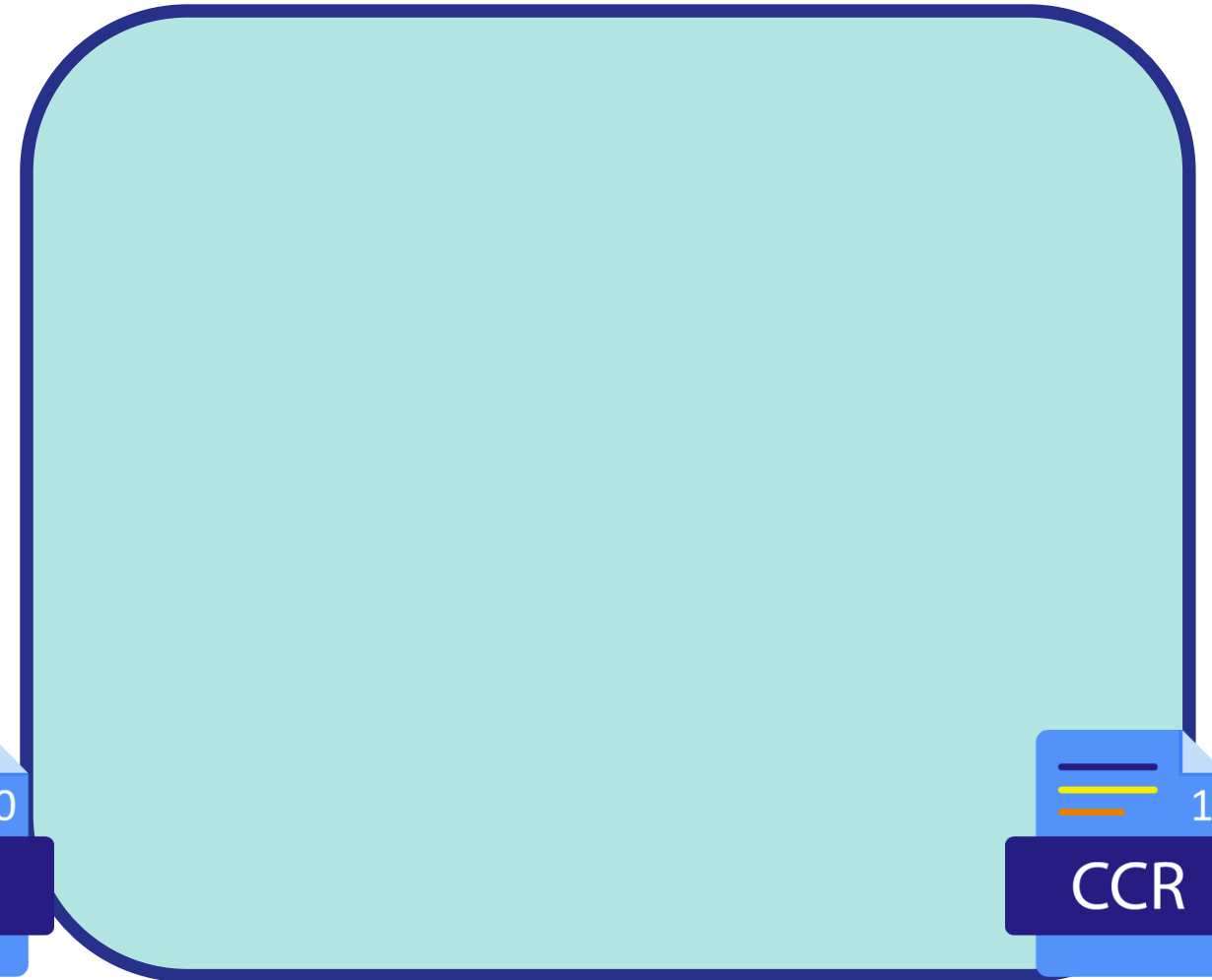
Part 1:

CCR Tier 1: Working with Custom Source Items



Review: Example types of changes for each CCR Tier

- CCR Tier 0:
 - File system path changes.
 - Remote settings.
 - Report creation.
 - CSR Pages.
 - Upgrade script.
 - Any manual change to the environment or System.
 - 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 – Baseline Source Code.
- ICC530 – Interoperability Components.
- ICC540 – HealthShare.



Summary

- What are the key points for this module?

