INTERSYSTEMS LEARNING SERVICES

InterSystems Change Control

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ICC 320: CCR Tier 0 – Configuring System Details

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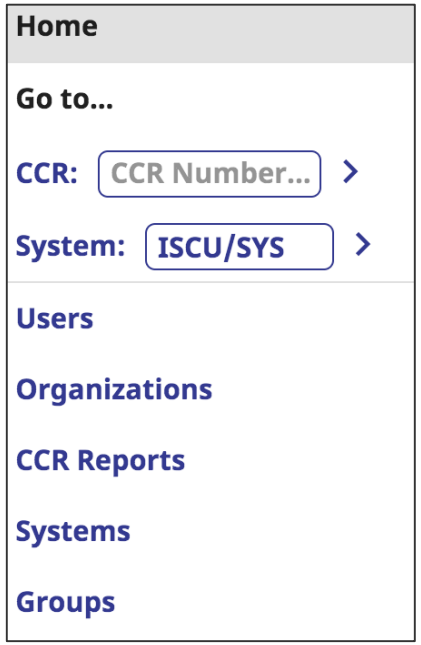
Objectives

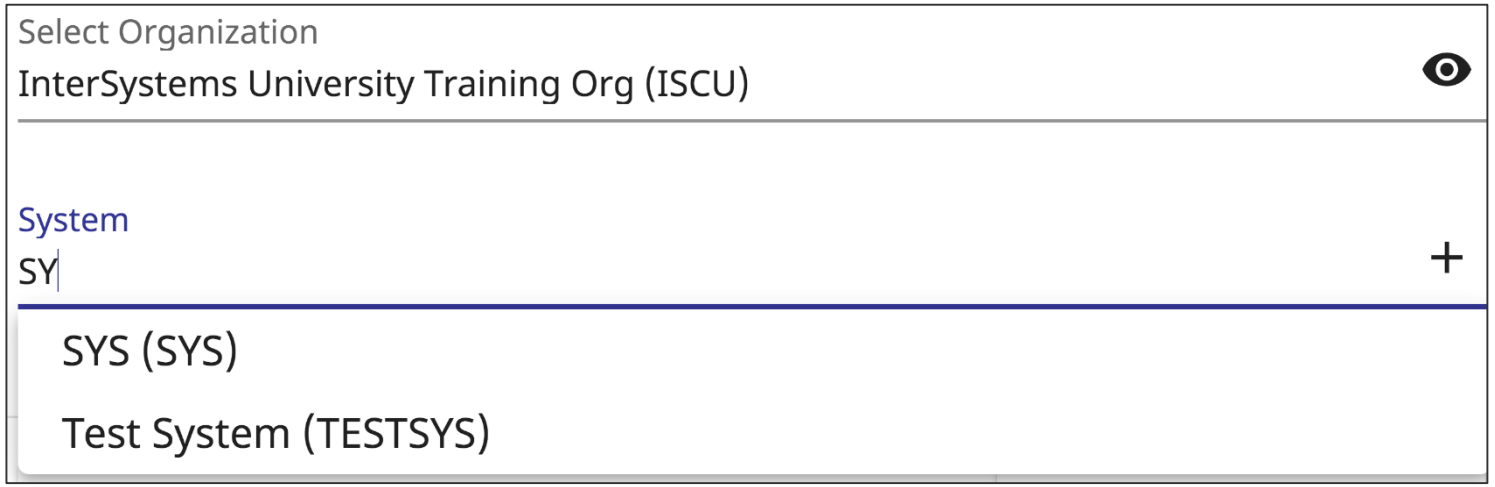
- Identify the use for the various settings and controls on the System Details page.
- Demonstrate how maintaining Environment Details for a System saves time and effort.
- Show how to control the workflow for CCRs of a given System.
- Explain what benefits can be achieved by assigning primary and secondary architects within CCR.

Part 1: General System Settings

Navigation to System Details

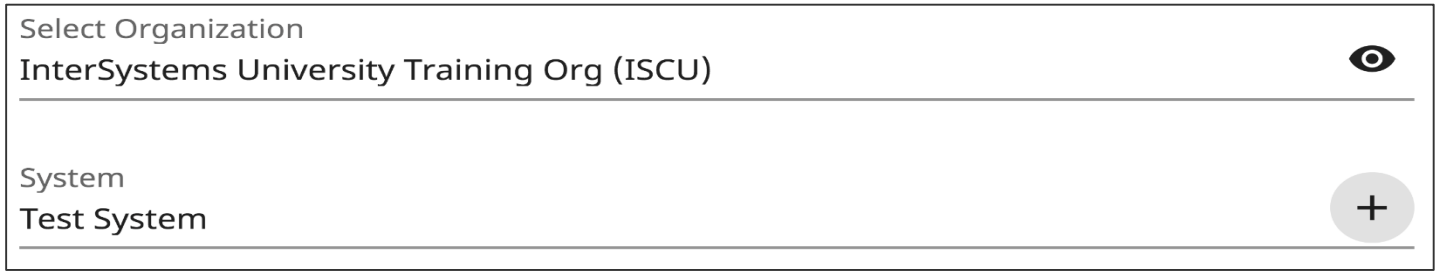
- To navigate to System Details in Angular UI, either:
  - Enter SiteCode/SysCode for System field in side navigation menu.
  - Go to Systems and use autocomplete field on System Details page.

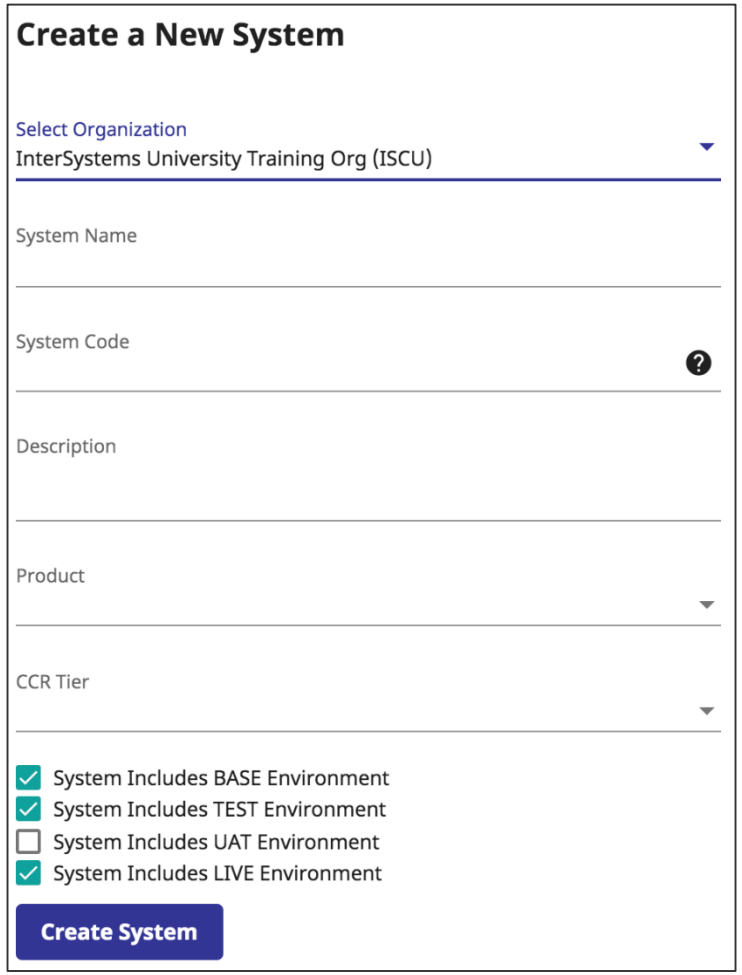




Create New System

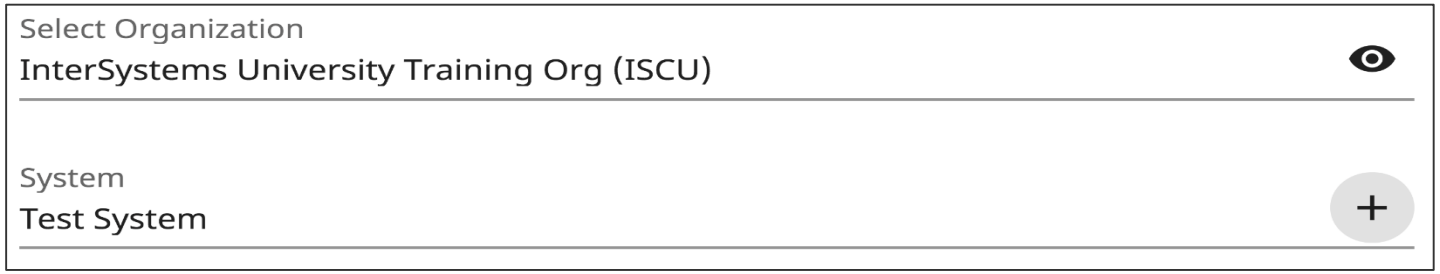
- Go to Systems page.
- Select the organization from the dropdown.
  - Contact CCR development team if Organization not listed.

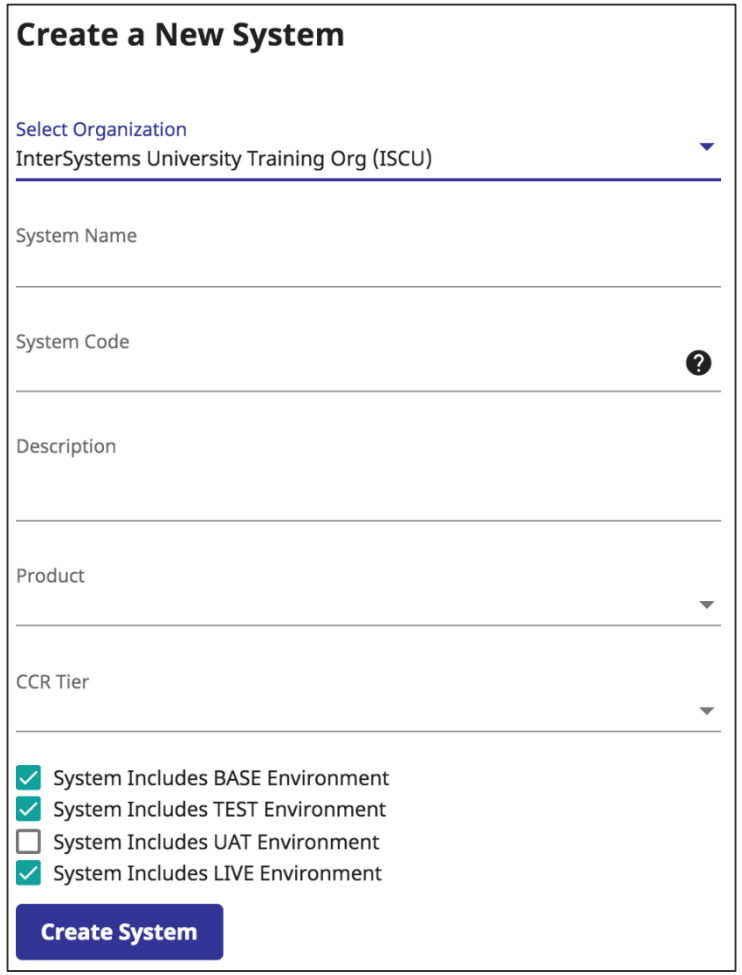




Create New System (cont.)

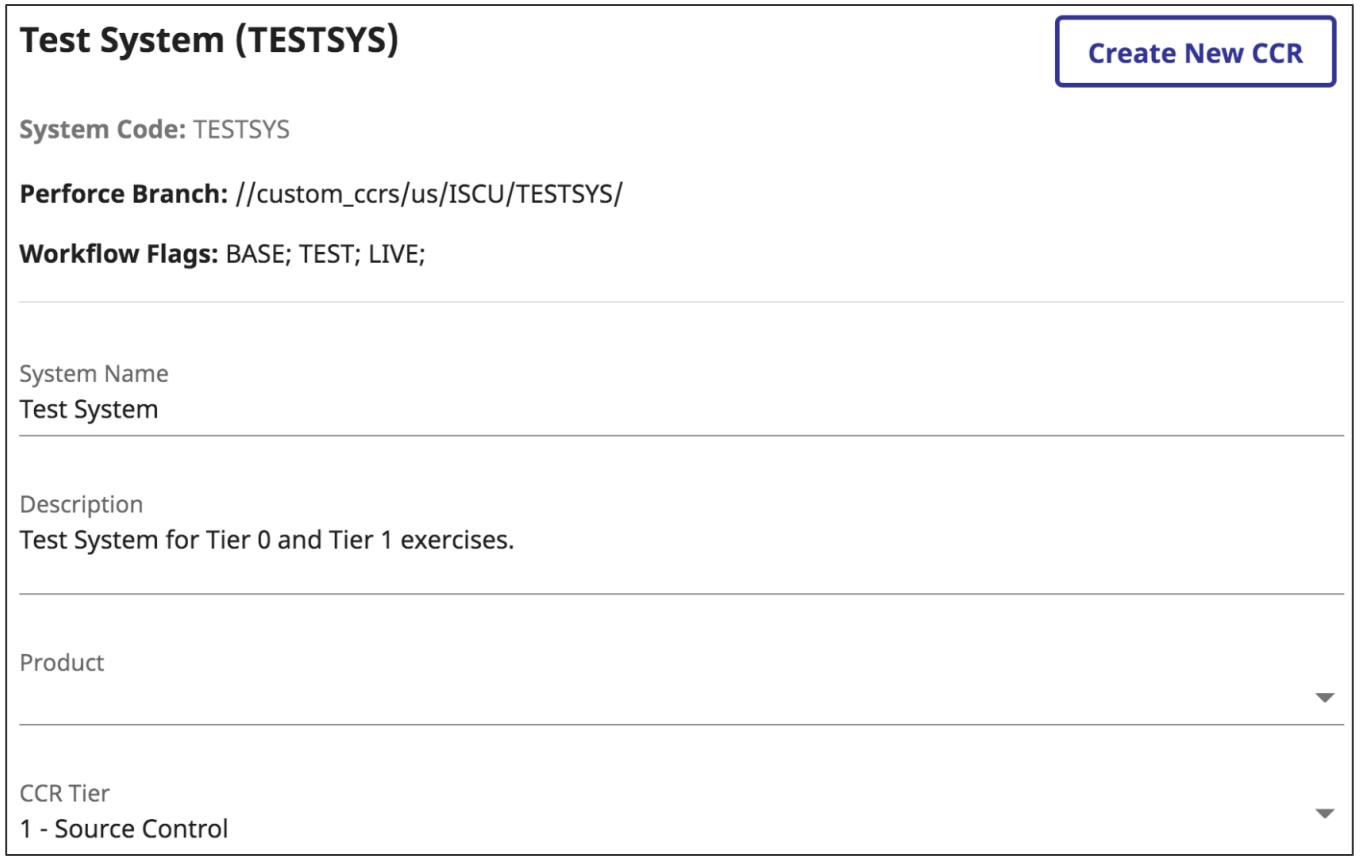
- Click + in System Field.
- Complete form and click Create System.
  - Cannot change System Code later.





General System Settings

- General Details.
  - For reference only.
- System Tier Level.
  - Controls parts of workflow.



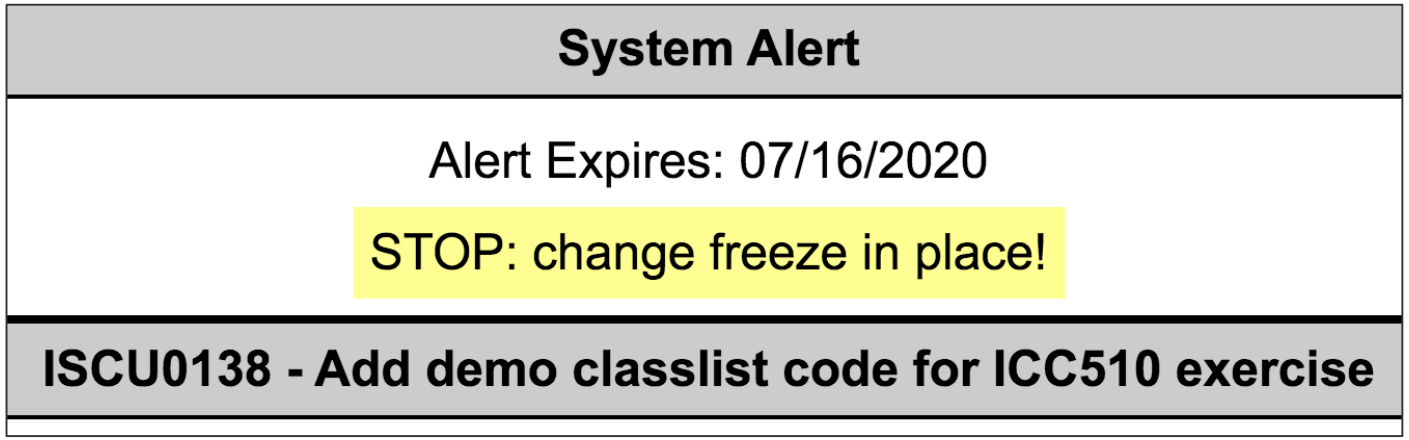
General System Settings (cont.)

- Notification Recipients.
  - Highlights = Some transitions.
  - Go Live = markLIVEComplete
- System Alerts.
  - Shown on every CCR for System.

Creating a System Alert

- Useful to indicate events such as change freeze.
- Shown on top of every CCR for System.

1. Edit System Alert field.
2. Add System Alert Expiration date beyond today.
3. Click Save.



Quiz: General System Settings

Question:

What does the CCR Tier on the System Details page indicate? Select all that apply.

A. The highest CCR Tier used in the System.

B. The minimum CCR Tier for all CCRs in the System.

C. The default CCR Tier for all CCRs created.

D. The CCR Tier of all CCRs in the System.

Quiz: General System Settings (cont.)

Answer:

A. The highest CCR Tier used in the system.

C. The default CCR Tier for all CCRs created.

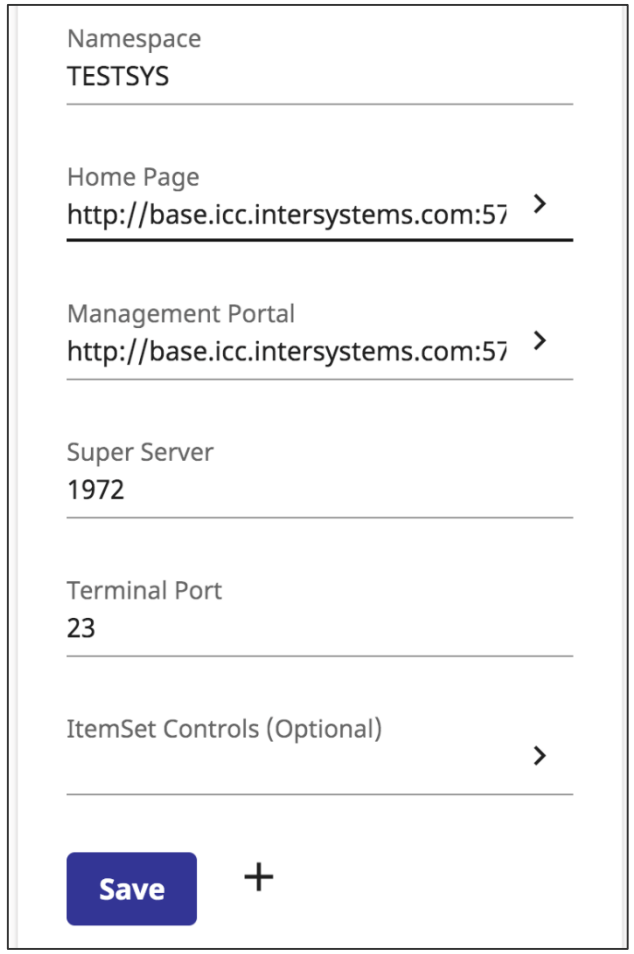
No CCR can be a higher Tier than CCR Tier on System Details.

CCRs can be modified to a lower Tier than CCR Tier on System Details.

Part 2: Environment Details

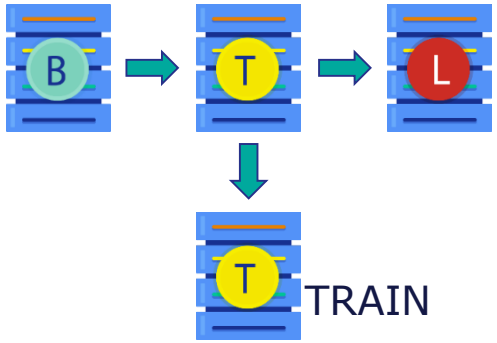
Environment Details

- Settings for environment available by expanding environment on right.
  - Namespace.
  - Homepage Link.
  - System Management Portal Link.
  - Super Server Port.
  - Terminal Port.
  - ItemSet Controls Customization.
  - Control to create secondary environment.



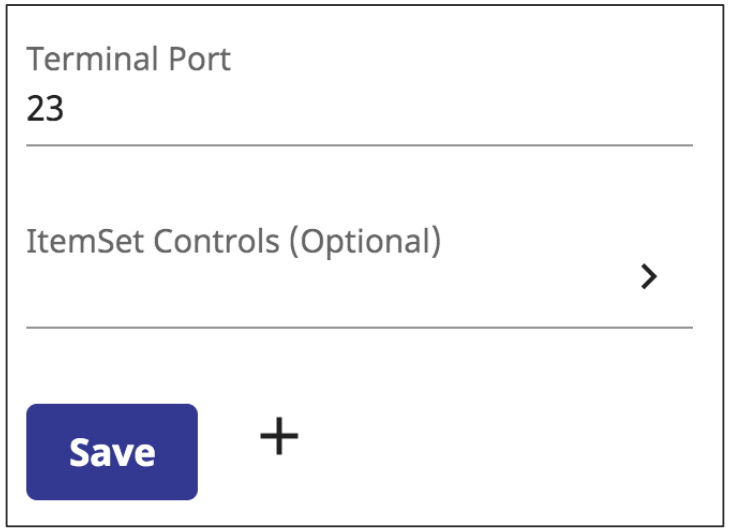
Secondary Environments (aka Peer Environments)

- Allows multiple namespaces to get identical source from same branch in Perforce.
  - Example: multiple Edge Gateways for HealthShare or training instance.
- Parallel environment to BASE, TEST, UAT or LIVE.
  - Deploy to TEST secondary environments when deploy to TEST.
- Require ItemSet flag ensures environments receives all updates to Primary.

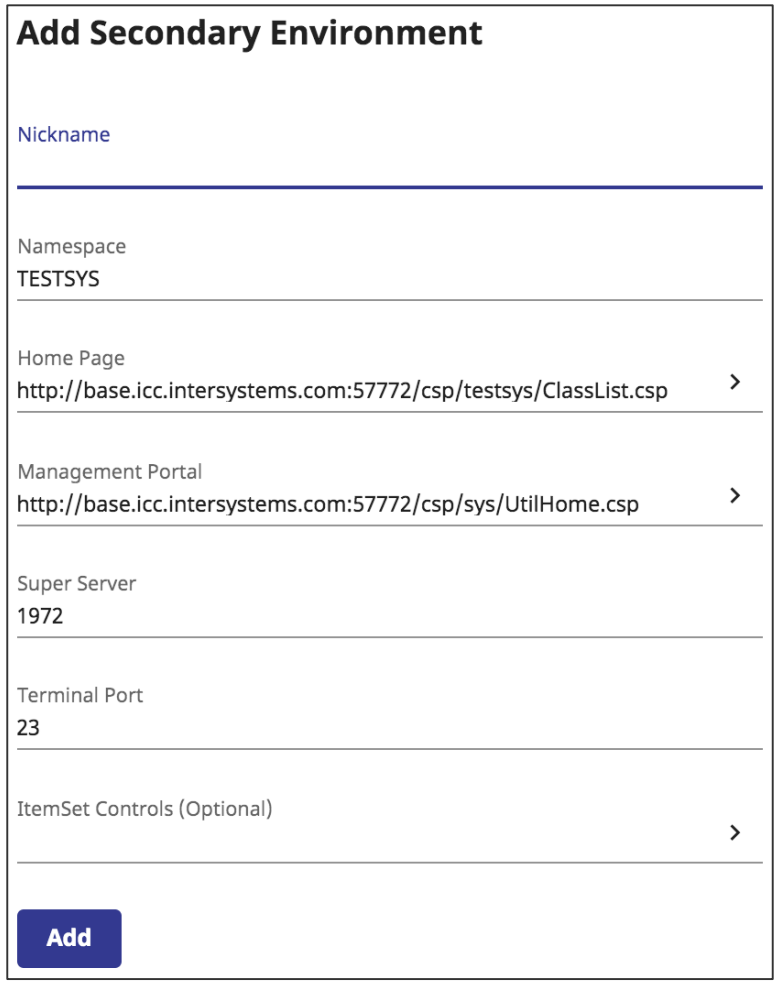


Configure Secondary Environment

1. Expand appropriate primary environment.
2. Click + button next to Save.
3. Complete form.
   - Nickname shown for ItemSet as [deploy to nickname].



Configure Secondary Environment (screenshot)



Secondary Environment Require ItemSet

- Be very careful if Require ItemSet is cleared.
- Example of what could go wrong with Require ItemSet false (cleared):
  - Tier 1 CCR adds class definition B and edits preexisting class A to be dependent on B.
    - User accidentally does not deploy class to secondary environment because Require ItemSets is false.
  - Later, Tier 1 CCR edits class definition A (unrelated to previous change).
    - Can’t deploy this change to secondary environment because class A still dependent on class B.

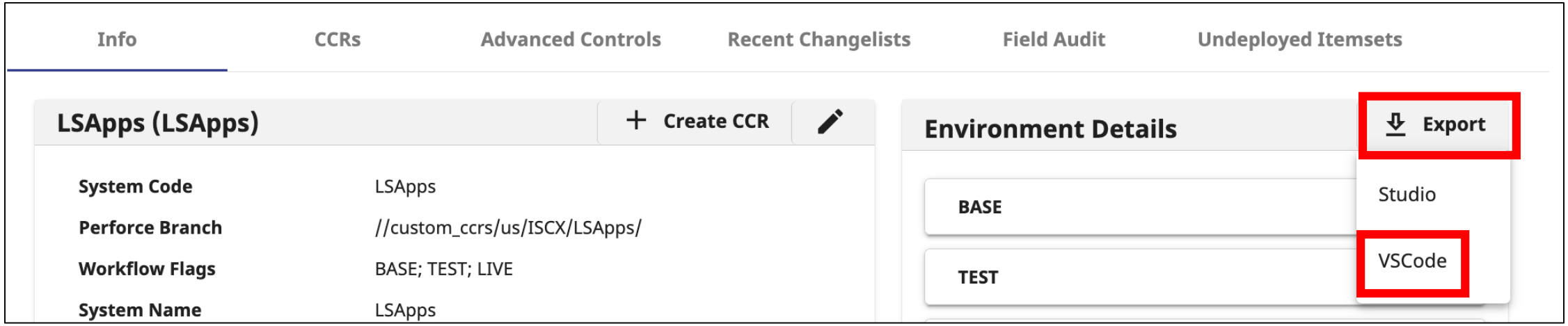
Secondary Environment Require ItemSet (cont.)

Primary environment

Secondary environment

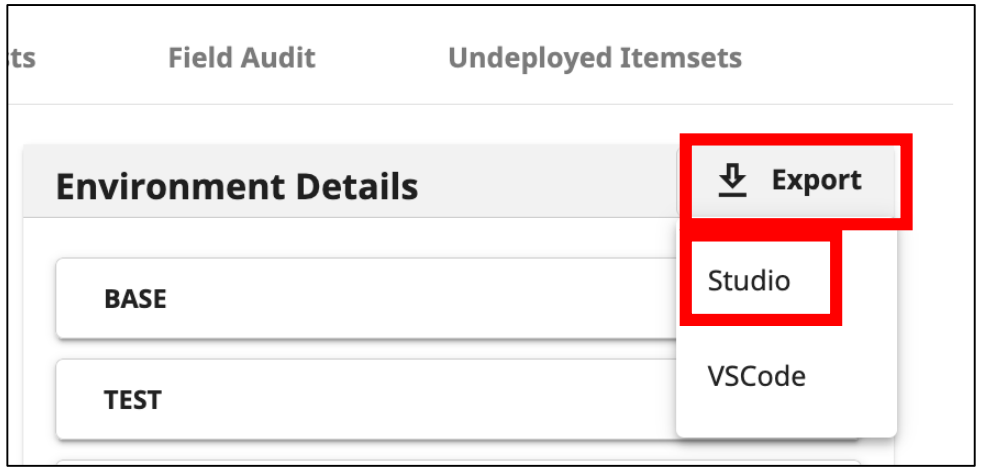
Download VS Code Workspace

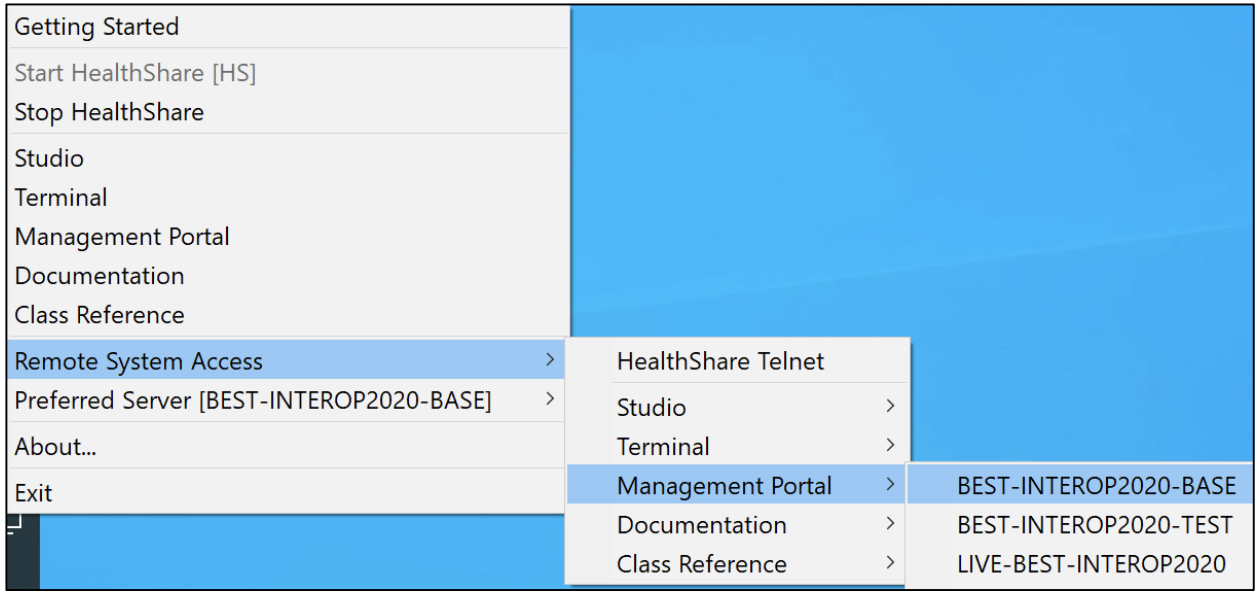
- Can download VS Code Workspace from Systems page.
  - Contains connection details for environments defined in System.
- Menu > Systems > Choose System > Export > VSCode.
  - Double click file to open in VS Code.



Windows: Configure Launcher

- Launcher provides remote system access to environments.
- Menu > Systems > Choose System > Export > Studio.
  - Run downloaded registry file.
    - Administrator credentials required.





Quiz: Environment Details

Question:

On a Windows machine, the best way to open a terminal session connected to the BASE environment is through the System Details page. True or False?

Answer:

False.

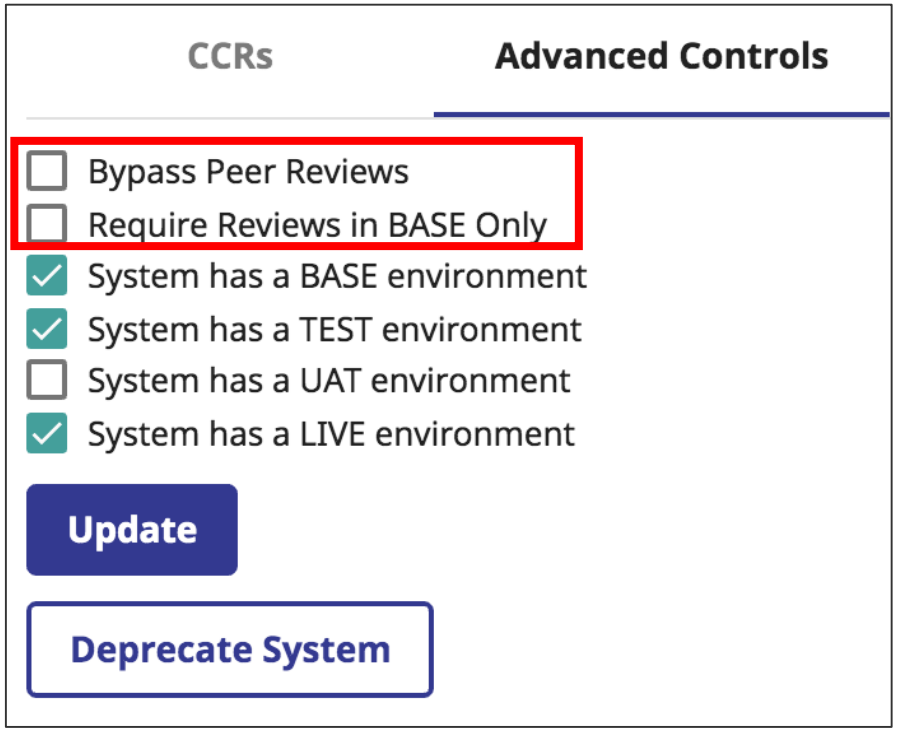
Depending on browser, it may not be possible to open a terminal session through the System Details.

Best to use Caché Server Manager.

Part 3: Advanced Controls

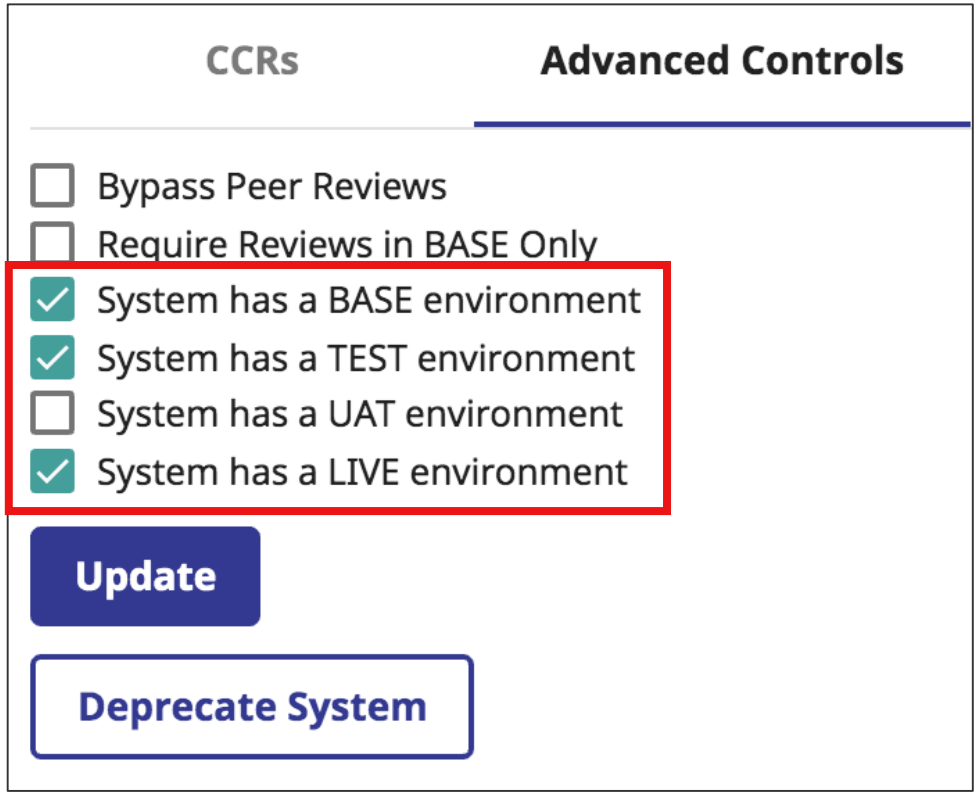
Peer Review System Workflow Options

- Modify the System's peer review workflow under Advanced Controls:
- Bypass peer reviews.
  - Skip all peer review states.
- Peer review BASE Only selected.
  - BASE peer reviews take place.
  - All others are skipped (TEST/UAT/LIVE).
- Neither option selected (default).
  - Each environment will include a peer review.



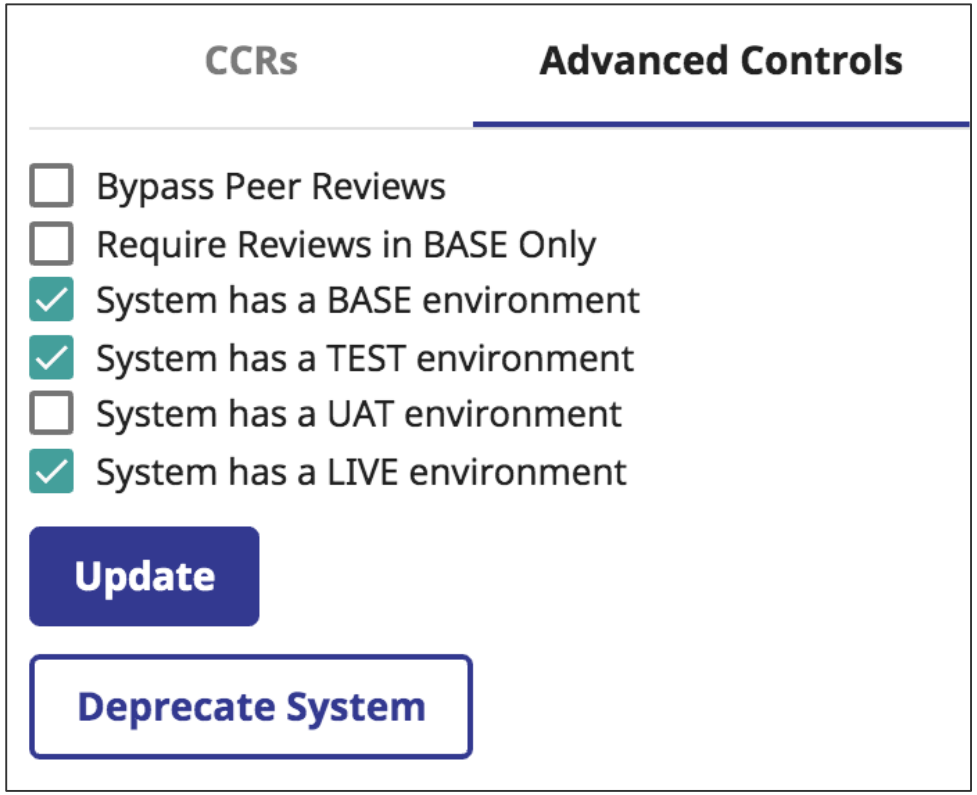
Environment Workflow Options

- Can tailor system workflow to include only relevant environments.
- BASE-only or LIVE-only workflows are supported.
- Workflows with 2 or more environments must include BASE.
- For Tier 1 and Tier 2 Systems, must baseline Perforce when adding environments.



Deprecate System

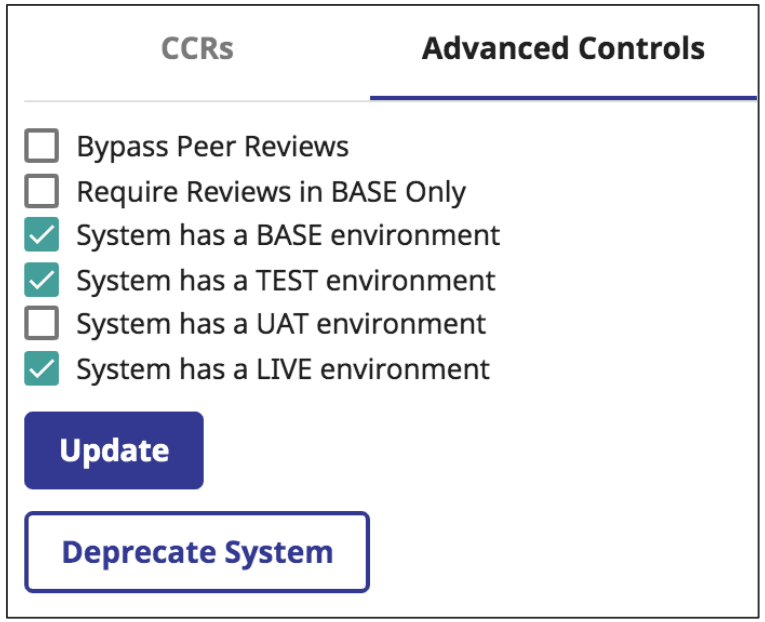
- Deprecate unused systems.
- Removes system from dropdown lists.
- Cancels all active CCRs for system.
  - Warning: cannot be undone!



Quiz: Advanced Controls

Question:

The check boxes in this screenshot for BASE, TEST, UAT, and LIVE indicate which environments are used in the workflow for this System. True or False?



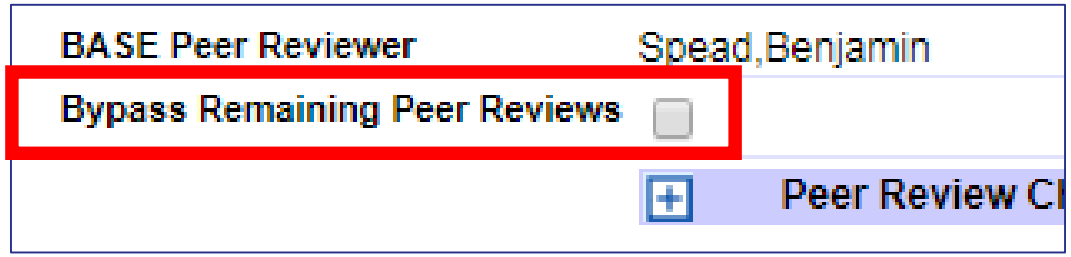
Answer:

True.

Part 4: System Architects

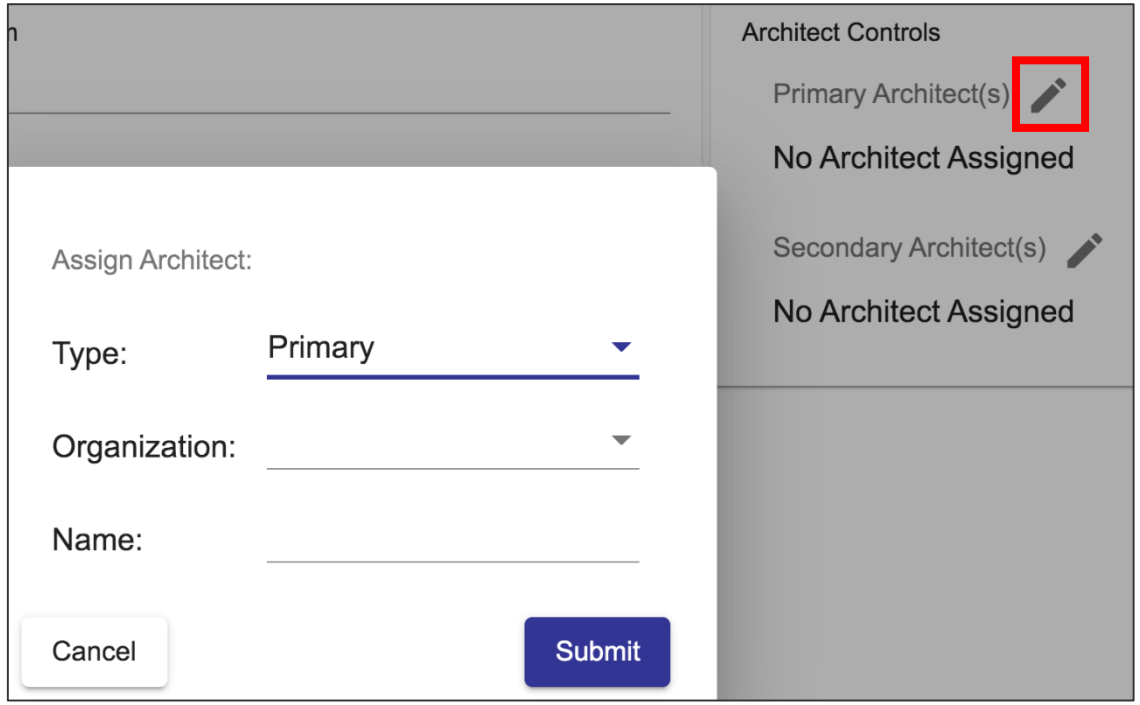
System Architects

- Users can be assigned to system as architects.
- Each organization with responsibility for a System can assign their own architects.
- Architects receive highlight email notifications for all CCRs.
  - For example when CCRs are opened, moved to a new phase, or closed.
- Architects receive all peer reviews by default.
  - Architects can “Bypass Remaining Peer Reviews” for any CCR by editing CCR Details pane.



System Architects (cont.)

- Two kinds of architects:
  - Primary architect.
    - Default peer reviewer for all CCRs owned by their organization for that System.
  - Secondary architect.
    - Peer reviews all CCRs transitioned to XXXX_Pending_Peer_Review state by primary architect.
- Architects configured on System Details page.
  - Only editable by InterSystems employees.



Quiz: Primary Architects

Question:

Which of the following is true about any primary architect? Select all that apply.

A. Automatically receive Go Live announcements.

B. Can bypass remaining peer reviews for any CCR against their System.

C. Are the default peer reviewer for all CCRs for that System.

D. Can add a secondary architect.

Quiz: Primary Architects (cont.)

Answer:

B. Can bypass remaining peer reviews for any CCR against their System.

They receive highlight emails, not Go Live announcements automatically.

They are the default peer reviewer only for CCRs by their org for that System.

Only InterSystems employees can add architects.

Summary

- What are they key points for this module?