

# PTC Interoperable Lifecycle Management (ILM) Getting Started Guide



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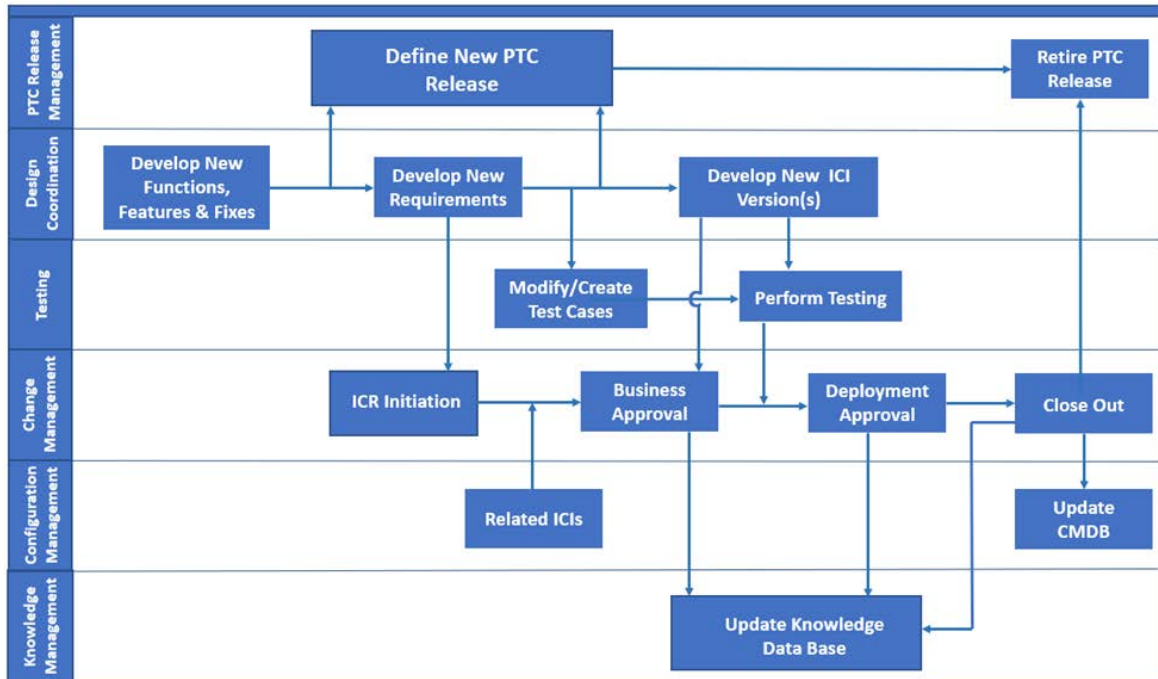
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# Learning about PTC ILM

The Positive Train Control (PTC) Interoperable Lifecycle Management (ILM) application provides a platform that enables the railroad industry to manage the interoperable configuration items (ICIs) that comprise the interoperable aspects of PTC throughout their lifecycle.

As shown in [Exhibit 1](#), PTC ILM encompasses a wide range of processes.

**Exhibit 1. High-Level PTC ILM Relationship Diagram**



For more information about PTC ILM processes and concepts, refer to the *PTC ILM System Description and Operational Concept* document.

This document describes how to get started with PTC ILM in the following sections:

- [“Getting Started with PTC ILM”](#) on page 3
- [“Viewing the ILM Application Suite”](#) on page 7
- [“Working with the System Activity Logs”](#) on page 10
- [“Using PTC ILM Reports”](#) on page 13

**Note:** For detailed instructions about using the Railinc interface elements such as menus, calendar tools, and drop-down text boxes, refer to the [Railinc UI Dictionary](#).

Refer to the following documents for in-depth usage information:

- [PTC ILM Interoperable Change Management User Guide](#)
- [PTC ILM Interoperable Configuration Management User Guide](#)
- [PTC ILM Interoperable Release Management User Guide](#)

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## System Requirements

Recommended browsers are:

- Microsoft Internet Explorer (version 11.0 or later; current version is recommended)
- Mozilla Firefox (current version is recommended)
- Google Chrome (current version is recommended)

**Note:** For best viewing of the PTC ILM application, Railinc recommends that you have your screen display resolution set to 1024 × 720 or higher (1920 x 1080 is optimal).

For more information about the system requirements of Railinc web applications and for information about downloading compatible web browsers and file viewers, refer to the [Railinc UI Dictionary](#).

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## Supported Organization Relationship Types

In addition to managing their own information, railroads may have relationships in which one entity manages information for another entity. PTC ILM supports the following relationship types:

- *Host-Tenant Relationship* – a tenant railroad operates on PTC track of a host railroad with which they are related.

**Note:** It is possible to have both a host and tenant relationship with another railroad (for example, when each railroad operates on PTC track of the other).

- *Holding Company-Subsidiary Relationship* – a subsidiary is owned or managed by a railroad holding company.
- *Railroad-Service Provider Relationship* – a railroad has designated a related service provider to act on their behalf for purposes of PTC ILM.

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## Accessing the Railinc Customer Success Center

The Railinc Customer Success Center (CSC) provides reliable, timely, and high-level support for Railinc customers. Representatives are available to answer calls and respond to emails from 7:00 a.m. to 7:00 p.m. Eastern time, Monday through Friday, and provide on-call support via pager for all other hours to ensure support 24 hours a day, 7 days a week. Contact us toll-free by phone at 877-RAILINC (1-877-724-5462) or send an email directly to [csc@railinc.com](mailto:csc@railinc.com).

## Getting Started with PTC ILM

Access PTC ILM by using Railinc Single Sign-On (SSO), a web application that provides convenient access to a variety of Railinc products. To get started, go to the Railinc portal at <https://www.railinc.com> and log in to SSO by selecting the Customer Login link at the top right of the page, entering your user ID and password in the fields, and then selecting **Sign In**.

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## Registering to Use Railinc SSO

Each PTC ILM user must register to use Railinc Single Sign-On (SSO). If you do not already have a Railinc SSO user ID and password, refer to the [Single Sign-On and Launch Pad User Guide](#). Once you have access to Railinc SSO, you must request access to PTC ILM within SSO.

**Note:** If you are a service provider and need access to PTC ILM, refer to [Railinc's onboarding application](#).

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## Requesting PTC ILM Access

After you receive authorization to use Railinc SSO, you must request access to PTC ILM as described in the [Single Sign-On and Launch Pad User Guide](#).

From the SSO/Launch Pad Request Application Access by Role page, choose the appropriate user role and enter the Mark for your railroad. The available roles are described below:

### **Interoperable Change Manager**

Users with this role can add approvals to ICR's and can perform admin functions within the change management process. This role is non-requestable through the application – contact Railinc if you need access to this role.

### **Interoperable Configuration Manager**

Users with this role can perform all admin functions to maintain the ICI/CMDB database and maintain development tracking for newer ICI's. This role is non-requestable through the application – contact Railinc if you need access to this role.

### **Interoperable Release Manager**

Users with this role can initiate and update new PTC Interoperable System Releases and enter approvals for PTC Interoperable System Releases. This role is non-requestable through the application – contact Railinc if you need access to this role.

### **Standard User**

Users with this role have read-only access to all modules of the application. Select this role if you are not an interoperable manager, but you do need to view PTC ILM information.

### **Railroad Change Manager**

Users with this role can perform all functions related to a change request on behalf of their railroad and its subsidiaries. Select this role if you need to respond to ICRs, complete ICR close out forms, initiate new ICRs, or advance ICRs.

### **Railroad Configuration Manager**

Users with this role can baseline their railroad configuration of ICIs and enter ICI version attributes of new ICIs.

### **Railroad PTC ILM System Administrator**

This role is for the Company Administrator who will manage access-related roles for their company. This user will receive emails for requested permissions for their respective company and must grant permission as determined by their respective company.

### **ILM Reports**

This role enables users to access the PTC ILM Tableau reports.

When you complete the permission request process, your application access request is submitted for evaluation. If your request is approved, you will receive an approval email.

Once you receive e-mail notification of access to PTC ILM, you can log in and begin using PTC ILM (see “[Logging In](#)” on page 6); however, you must set up your PTC ILM contact information in FindUs.Rail before you can receive email notifications of PTC ILM requests or create new requests (see “[Registering to Use FindUs.Rail](#)” below for more information).

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## Registering to Use FindUs.Rail

**Important:** In order to receive email notifications of requests created using PTC ILM or to create new requests, you must be registered in FindUs.Rail, a Railinc application that serves as a central directory of contacts for the rail industry.

If you do not have access to FindUs.Rail, you must request access to the FindUs.Rail application as described in the [Single Sign-On and Launch Pad User Guide](#). When you are prompted to select a role, select **Contact Company Admin for MARK** unless you need permission to approve FindUs.Rail access requests for other users at your company (in that case, select **FindUsRail Company Admin**). It may take up to two business days to process your request.

Once you have access to FindUs.Rail (or if you already have access), use the following procedure to set up FindUs.Rail to work with PTC ILM:

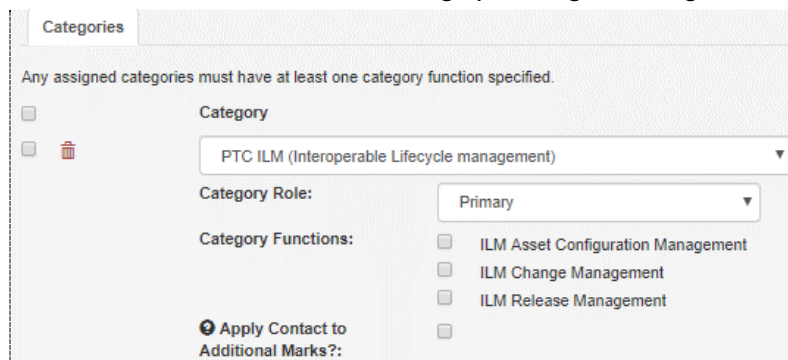
1. Log in to [www.railinc.com](http://www.railinc.com) and select **FindUs.Rail** in the Your Applications portlet.

2. Select **Contacts** from the menu bar, and then select **Add Contact**.

**Note:** If you need to add an email group, then select **Organization** as the Contact Type and add the email address for the group.

3. Complete the fields in the Contact section. Required fields are labeled in red. In the Email field, enter the email address where you would like to receive notifications from PTC ILM. You can enter a group email in this field if you want multiple contacts to receive notifications.
4. In the Categories section, select “PTC ILM (Interoperable Lifecycle Management)” from the Category drop-down (see [Exhibit 2](#)).

**Exhibit 2. FindUs.Rail Add Contact Page (Showing the Categories Section)**



The screenshot shows the 'Categories' section of the 'FindUs.Rail Add Contact Page'. At the top, there is a tab labeled 'Categories'. Below it, a message states: 'Any assigned categories must have at least one category function specified.' There are two category entries, each with a trash icon. The first entry is selected. Its 'Category' dropdown is set to 'PTC ILM (Interoperable Lifecycle management)'. The 'Category Role' dropdown is set to 'Primary'. Under 'Category Functions', there are three checkboxes: 'ILM Asset Configuration Management', 'ILM Change Management', and 'ILM Release Management'. At the bottom left of the form, there is a button labeled 'Apply Contact to Additional Marks?:'.

For a railroad to send or receive PTC ILM notification emails, one email address must be set up with the category role of “Primary” for any ILM category function.

5. If you are the primary ILM Contact, select “Primary” in the Category Role field, and then select one or more categories in the Category Functions area.

**Note:** There can only be one primary contact per category, but there can be many secondary contacts. If a primary contact already exists for a category, simply add yourself as a secondary contact.

6. As needed, set up the remaining category functions. If there is no primary contact specified for a category function, you can select “Primary”. If you want to be a secondary contact for the remaining category functions, select **Add** to add a new category, select “PTC ILM (Interoperable Lifecycle Management)” from the Category drop-down, select “Secondary”, and select the checkboxes for the remaining category functions.
7. When you have completed the Contact and Categories sections, select **Save** at the bottom right of the page. The contact information is saved and will be used to send email notifications for PTC ILM requests and responses.

Refer to the [FindUs.Rail web page](#) for more information, including a user guide and demos.

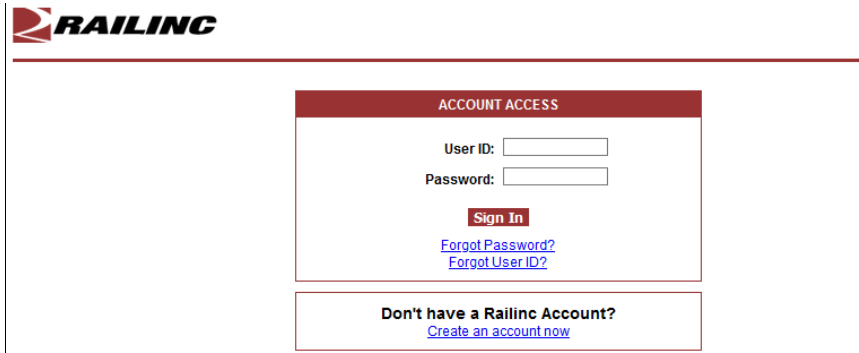


# Logging In

To log in to PTC ILM:

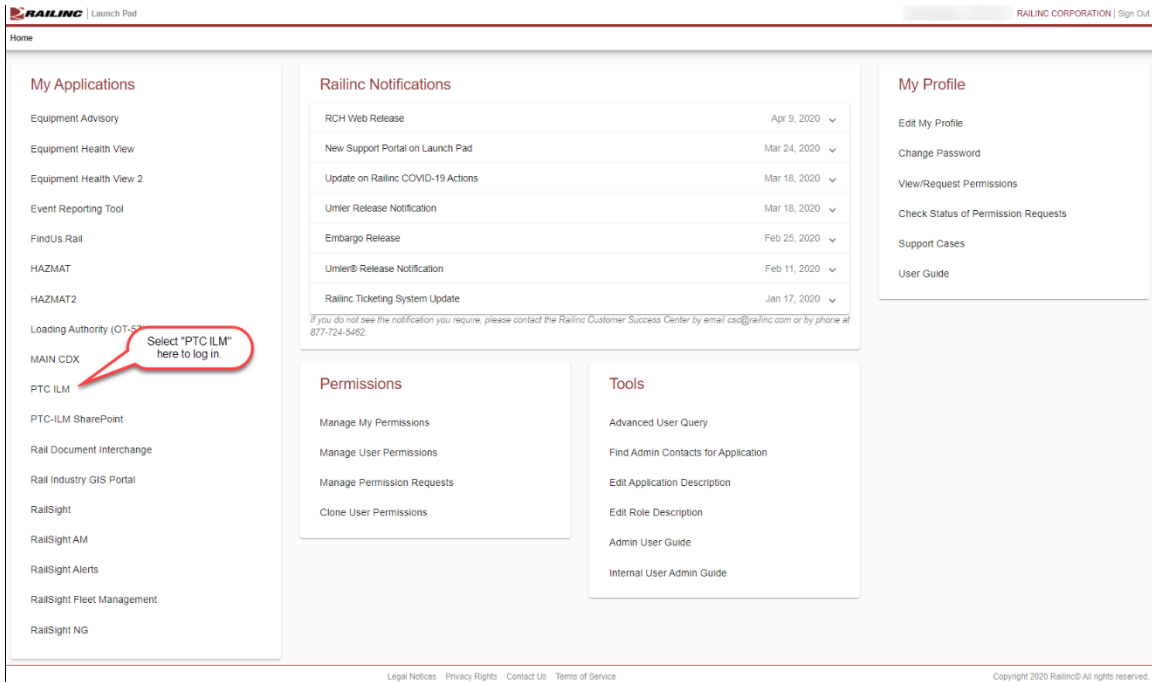
1. Open your internet browser and go to the Railinc web portal at [www.railinc.com](http://www.railinc.com).
2. Select the **Customer Login** link at the upper right of the page. The Account Access panel is displayed (see [Exhibit 3](#)).

**Exhibit 3. Account Access Panel**



3. Enter your user ID and password, and select **Sign In**. Your Railinc Launch Pad showing authorized Railinc applications is displayed (see [Exhibit 4](#)).

**Exhibit 4. Launch Pad Showing PTC ILM as an Authorized Application**



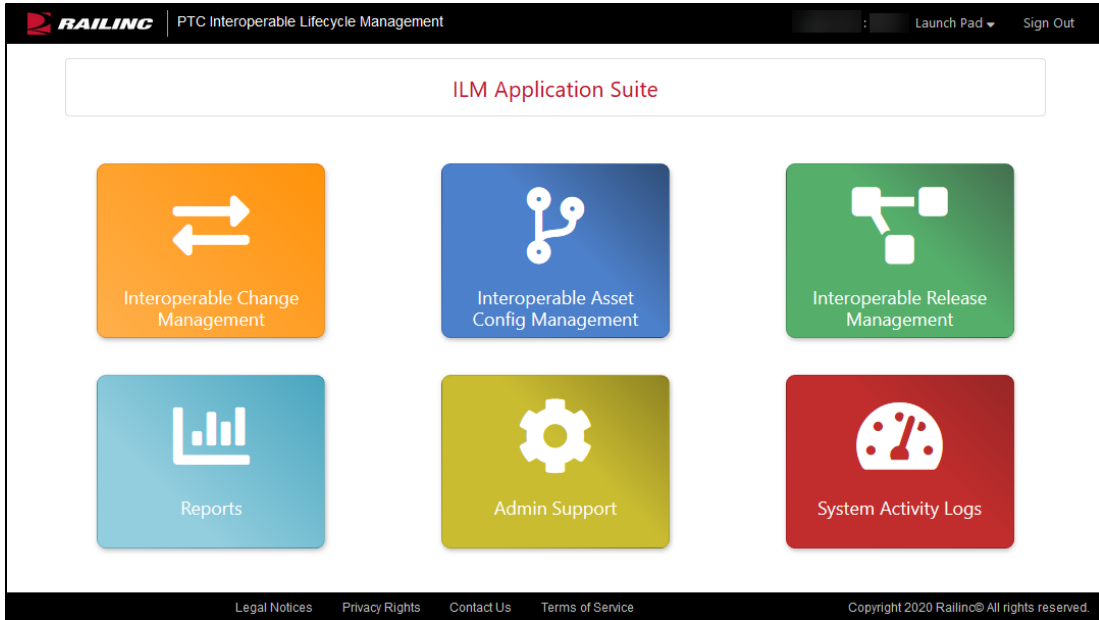
**Note:** For more information, refer to the [Single Sign-On and Launch Pad User Guide](#).

4. Select **PTC ILM**. The PTC ILM Application Suite is displayed. Continue with “[Viewing the ILM Application Suite](#)” on page 7.

## Viewing the ILM Application Suite

Once you successfully log in to PTC ILM, you can see the ILM Application Suite page, which contains icons that enable you to access the PTC ILM application modules, reports, and administrator support (see [Exhibit 5](#)).

**Exhibit 5. ILM Application Suite Page**



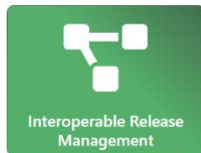
The ILM Application Suite page provides access to the following functions:



Provides access to the Interoperable Change Management application module. This module enables you to create ICRs and manage ICR versions. It also enables you to record Interoperable Change Approval Board (ICAB) meeting attendance. Refer to the [PTC ILM Interoperable Change Management User Guide](#) for information about this module.

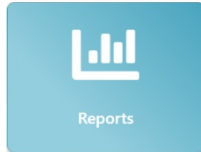


Provides access to the Interoperable Asset Configuration Management application module. This module enables you to manage the relationships and versions and deployment of ICIs. Refer to the [PTC ILM Interoperable Configuration Management User Guide](#) for information about this module.

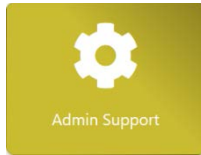


Provides access to the Interoperable Release Management application module. This module enables you to view and compare the latest ICI versions. Refer to the [PTC ILM Interoperable Release Management User Guide](#) for information about this module.

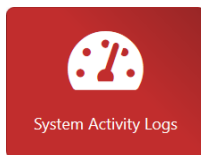
## Viewing the ILM Application Suite



Provides access to the Reports application module. This module enables you to view reports based upon ICR to ICI relationships. See “[Using PTC ILM Reports](#)” on page 13 for information about this module.



Provides access to the Admin Support application module. This module enables PTC ILM railroad administrators to configure participants and participant relationships, FindUs.Rail information, and relationships between ICIs and ICI versions. Refer to the [PTC ILM Interoperable Change Management User Guide](#) for more information.



Enables you to access the System Activity Logs module, which provides searchable records of user activity. See “[Working with the System Activity Logs](#)” on page 10 for more information.

Once you select an icon, the selected application module is displayed within a framework that allows you to switch between application modules. [Exhibit 6](#) shows an example of an application module within the ILM framework.

**Exhibit 6. Example Application Module Showing the ILM Framework**

Id	Response Due Date	Sponsor Railroad	Interoperable Configurable Items	Proposed Version	Current Status	ICR Type	Created Date	Modified Date
10394		RAILINC	MCC: Locomotive Messaging Server Software	1.4.20.8-905	Close Out	Decommissioning	04/03/2020 08:27:...	04/03/2020
10374	04/09/2020	RAILINC	MCC: Wayside Radio Software	2.5.5	Business Approval-Pending	Normal	04/02/2020 15:43:...	04/02/2020
10354	04/08/2020	RAILINC	MCC: Wayside Radio Software	2.5.1	Initiated	Normal	04/01/2020 16:58:...	04/01/2020
10334	04/08/2020	RAILINC	MCC: Base Station Radio Software	2.7	Initiated	Normal	04/01/2020 16:12:...	04/01/2020
305		TTCI	MCC: Back Office Messaging Server Software	2.3.2	Close Out	Latent Change	01/22/2020 14:30:...	03/04/2020
335	02/19/2020 <i>Past Due</i>	KCS	MCC: System Management Gateway Software	1.4	Business Approval-Pending	Normal	02/19/2020 10:58:...	03/26/2020
361	03/19/2020 <i>Past Due</i>	TTCI	AAR: S-9058 ITC Ticket Management Requirements and Us...	6.0	Initiated	Normal	03/12/2020 12:41:...	03/12/2020

The ILM framework provides a toolbar with icons that enable you to do the following tasks:



Expand the toolbar to show the names associated with each icon.



Return to the PTC ILM Application Suite page.



Switch to the Interoperable Change Management application module.



Switch to the Interoperable Asset Config Management application module.



Switch to the Interoperable Release Management application module.



Switch to the Reports application module.





Switch to the Admin Support application module.



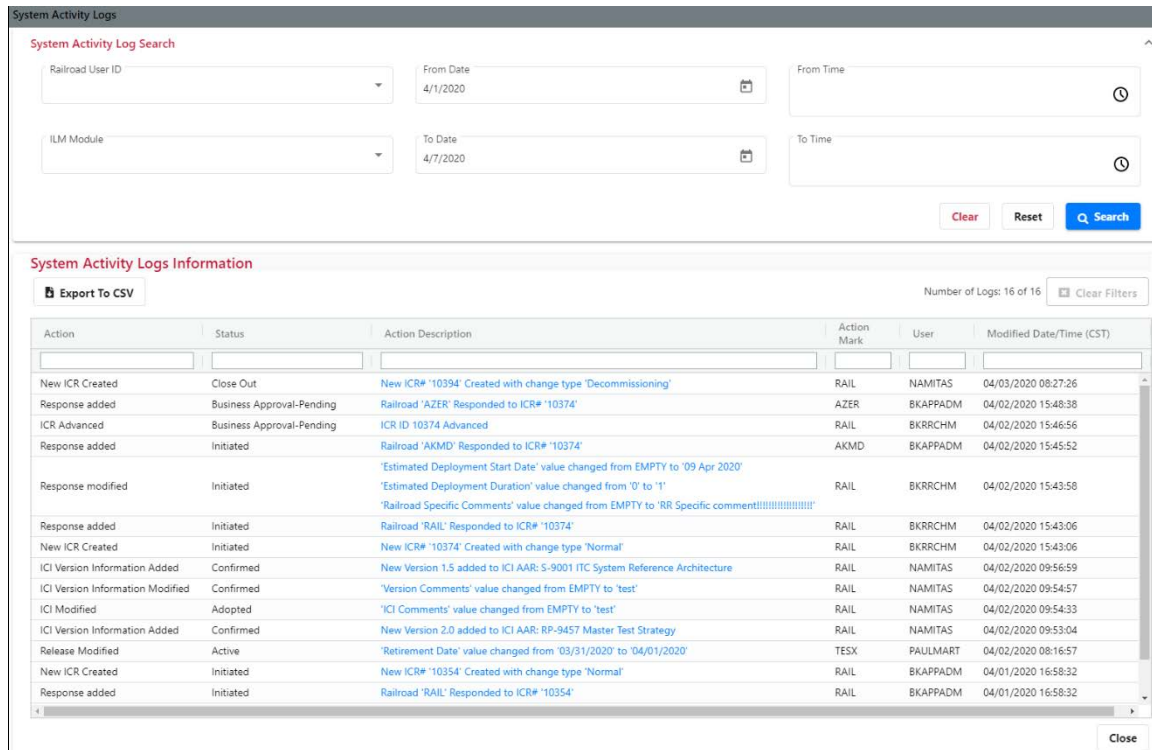
Switch to the System Logs application module.

## Working with the System Activity Logs

PTC ILM maintains records of user activity, including what activity was performed, which user performed the activity, and the date and time of the activity. The System Activity Logs module enables you to search and view these records of user activity.

To access the System Activity Logs module, select the System Activity Logs icon  from the ILM Application Suite page (or select the  icon from the ILM framework). The System Activity Logs page is displayed (see [Exhibit 7](#)).

**Exhibit 7. System Activity Logs Page**



The screenshot shows the 'System Activity Logs' interface. At the top, there is a 'System Activity Log Search' section with filters for 'Railroad User ID', 'From Date' (4/1/2020), 'To Date' (4/7/2020), 'From Time', and 'To Time'. Below this is the 'System Activity Logs Information' section, which includes an 'Export To CSV' button and a table of logs. The table has columns for Action, Status, Action Description, Action Mark, User, and Modified Date/Time (CST). The table displays 16 logs, with the first few rows showing actions like 'New ICR Created', 'Response added', and 'ICR Advanced'.

Action	Status	Action Description	Action Mark	User	Modified Date/Time (CST)
New ICR Created	Close Out	New ICR# '10394' Created with change type 'Decommissioning'	RAIL	NAMITAS	04/03/2020 08:27:26
Response added	Business Approval-Pending	Railroad 'AZER' Responded to ICR# '10374'	AZER	BKAPPADM	04/02/2020 15:48:38
ICR Advanced	Business Approval-Pending	ICR ID 10374 Advanced	RAIL	BKRRCHM	04/02/2020 15:46:56
Response added	Initiated	Railroad 'AKMD' Responded to ICR# '10374'	AKMD	BKAPPADM	04/02/2020 15:45:52
Response modified	Initiated	'Estimated Deployment Start Date' value changed from EMPTY to '09 Apr 2020' 'Estimated Deployment Duration' value changed from '0' to '1' 'Railroad Specific Comments' value changed from EMPTY to 'RR Specific comment!!!!!!!!!!!!!!!!!!!!'	RAIL	BKRRCHM	04/02/2020 15:43:58
Response added	Initiated	Railroad 'RAIL' Responded to ICR# '10374'	RAIL	BKRRCHM	04/02/2020 15:43:06
New ICR Created	Initiated	New ICR# '10374' Created with change type 'Normal'	RAIL	BKRRCHM	04/02/2020 15:43:06
ICI Version Information Added	Confirmed	New Version 1.5 added to ICI AAR: S-9001 ITC System Reference Architecture	RAIL	NAMITAS	04/02/2020 09:56:59
ICI Version Information Modified	Confirmed	'Version Comments' value changed from EMPTY to 'test'	RAIL	NAMITAS	04/02/2020 09:54:57
ICI Modified	Adopted	'ICI Comments' value changed from EMPTY to 'test'	RAIL	NAMITAS	04/02/2020 09:54:33
ICI Version Information Added	Confirmed	New Version 2.0 added to ICI AAR: RP-9457 Master Test Strategy	RAIL	NAMITAS	04/02/2020 09:53:04
Release Modified	Active	'Retirement Date' value changed from '03/31/2020' to '04/01/2020'	TESX	PAULMART	04/02/2020 08:16:57
New ICR Created	Initiated	New ICR# '10354' Created with change type 'Normal'	RAIL	BKAPPADM	04/01/2020 16:58:32
Response added	Initiated	Railroad 'RAIL' Responded to ICR# '10354'	RAIL	BKAPPADM	04/01/2020 16:58:32

The System Activity Logs page consists of the collapsible System Activity Log Search box and the System Activity Logs Information section (which contains the grid). By default, the grid displays any action taken on the current date by any user or by the PTC ILM system. The number of logs displayed is indicated at the top right of the grid. You can search for specific results by completing fields in the System Activity Log Search box (see “[Searching for Specific Information](#)” on page 11) and export search results to a CSV file (see “[Exporting Search Results](#)” on page 12).

To see all the rows in the grid, use the vertical scroll bar. Use the horizontal scroll bar to view any data that exceeds the width of the viewable area.

You can sort the displayed information by column in ascending or descending order. Simply select the column heading for the column you want to sort. An arrow (↑ or ↓) is displayed next to the heading to indicate the sort order. Select the column heading again to switch the sort order.

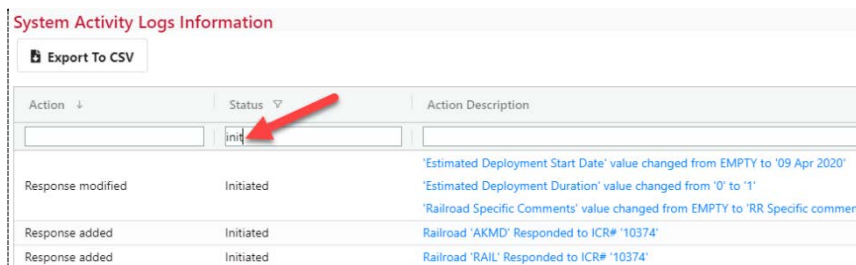
## Working with the System Activity Logs

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You can filter the information displayed in the grid to only show rows containing information you need to see. Each column contains a filter field directly below the column heading.

To apply a filter to a column, type a word or phrase in a column's filter field that you want to see in the results. The displayed results are narrowed to only show rows that contain the filtered word or phrase. A filter icon (▼) is displayed in the column heading to remind you about the filter (see [Exhibit 8](#)).

**Exhibit 8. The System Activity Logs Information Grid (showing a Column Filter entered)**



The screenshot shows a table titled "System Activity Logs Information" with an "Export To CSV" button. The table has three columns: "Action", "Status", and "Action Description". The "Status" column heading has a filter icon (▼) and a filter field containing the text "init". A red arrow points to the filter field. The table contains four rows of data:

Action	Status	Action Description
	init	
Response modified	Initiated	'Estimated Deployment Start Date' value changed from EMPTY to '09 Apr 2020' 'Estimated Deployment Duration' value changed from '0' to '1' 'Railroad Specific Comments' value changed from EMPTY to 'RR Specific comment'
Response added	Initiated	Railroad 'AKMD' Responded to ICR# '10374'
Response added	Initiated	Railroad 'RAIL' Responded to ICR# '10374'

**Tip:** You can apply filters to multiple columns at once.

To remove filters, select the **Clear Filters** button or delete the characters from the filter field.

**Note:** Any changes you make to the grid using sorting or filters are reflected if the data is exported.

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## Searching for Specific Information

The System Activity Log Search box at the top of the System Activity Logs page enables you to enter and apply search criteria to locate specific information in the System Activity Logs. You can display and hide this box by selecting the ▼ and ^ icons at the top right.

Examples:

- To search for activity by a specific known user ID, select the Railroad User ID drop-down list and then select the appropriate user ID.
- To search for activity in a specific ILM module, select the ILM Module drop-down list and then select the appropriate module.
- To search for ICRs within a specific date range, use the calendar tool to select dates in the From Date and the To Date fields.
- To search for ICRs within a specific time period, first select a date range and then use the clock tool to select a time period in the From Time and the To Time fields.

Once you have entered the appropriate search criteria, select **Search** to display the results in the grid below.

Select **Clear** to remove the search criteria you entered. To return all fields to their default settings, select **Reset**.

## Exporting Search Results

You can export the information displayed in the grid to a Comma Separated Value (CSV) file, which can then be opened in a spreadsheet application.

Once you have the information you want to export displayed in the grid, select the **Export to CSV** button to download the grid contents to a CSV file (see [Exhibit 9](#)).

**Exhibit 9. The System Activity Logs Page (Showing Data to be Exported)**

System Activity Logs Information					
<b>Export To CSV</b>				Number of Logs: 6 of 51 <span>Clear Filters</span>	
Action	Status	Action Description	Action Mark	User	Modified Date/Time (CST)
ICI Version information Added	Confirmed	New Version 2.7 added to ICI MCC: Wayside Radio Software	RAIL	sdhww09	01/10/2020 12:21:35
ICI Audit created	Confirmed	[WATC] completed audit for [MCC: Wayside Radio Software] with Audit status as [Confirmed] on [01/02/2020]	TESX	TESXPTC	01/02/2020 09:17:28
ICI Audit created	Confirmed	[WATC] completed audit for [MCC: Locomotive Radio Software] with Audit status as [Confirmed] on [01/02/2020]	TESX	TESXPTC	01/02/2020 09:17:28
ICI Audit created	Confirmed	[WATC] completed audit for [MCC: Locomotive Messaging Server Software] with Audit status as [Confirmed] on [01/02/2020]	TESX	TESXPTC	01/02/2020 09:17:28
ICI Audit created	Confirmed	[WATC] completed audit for [MCC: Base Station Radio Software] with Audit status as [Confirmed] on [01/02/2020]	TESX	TESXPTC	01/02/2020 09:17:28
ICI Audit created	Confirmed	[WATC] completed audit for [MCC: Back Office Messaging Server Software] with Audit status as [Confirmed] on [01/02/2020]	TESX	TESXPTC	01/02/2020 09:17:28

**Note:** Any changes that you make to the grid using sorting or filters are reflected in the export.

Once the results are exported to a CSV file, you can then view them in a spreadsheet application (see [Exhibit 10](#)).

**Exhibit 10. Spreadsheet Application (Showing Exported Data)**



	A	B	C	D	E	F	G
1	Action	Status	Action Description	Action Mark	User	Modified Date/Time (CST)	
2	ICI Version information Added	Confirmed	New Version 2.7 added to ICI MCC: Wayside Radio Softw	RAIL	sdhww09	1/10/2020 12:21	
3	ICI Audit created	Confirmed	[WATC] completed audit for [MCC: Wayside Radio Softw	TESX	TESXPTC	1/2/2020 9:17	
4	ICI Audit created	Confirmed	[WATC] completed audit for [MCC: Locomotive Radio Sof	TESX	TESXPTC	1/2/2020 9:17	
5	ICI Audit created	Confirmed	[WATC] completed audit for [MCC: Locomotive Messagin	TESX	TESXPTC	1/2/2020 9:17	
6	ICI Audit created	Confirmed	[WATC] completed audit for [MCC: Base Station Radio So	TESX	TESXPTC	1/2/2020 9:17	
7	ICI Audit created	Confirmed	[WATC] completed audit for [MCC: Back Office Messaging	TESX	TESXPTC	1/2/2020 9:17	
8							



# Using PTC ILM Reports

The PTC ILM Reports module provides access to a set of reports that enable you to view and analyze information about ICI's throughout the system.

**Note:** The PTC ILM Reports module requires a license for Tableau, a third-party reporting application.

To access the Reports module, select the Reports icon  from the ILM Application Suite page (or select the  icon from the ILM framework). The Reports page is displayed (see [Exhibit 11](#)).

**Exhibit 11. The Reports Page (Showing the ICI Relationships Report)**



The ICI Relationships report is displayed by default. Use the Select Report drop-down to select a different report.

The following reports are available:

- ICI Relationships – shows which ICI's have relationships with other ICI's.
- ICI Attributes Dashboard – shows all the attributes of all the ICI's (see [Exhibit 12](#)). You can select an ICI and view any relationships with other ICI's.
- ICI Versions – shows which railroads are working with which ICI's, the versions they are using, and their deployment status (see [Exhibit 13](#).)

Each report contains filters on the right side of the page, which enable you to drill down to the ICI's you need.

**Exhibit 12. The Reports Page (Showing the ICI Attributes Dashboard Report)**

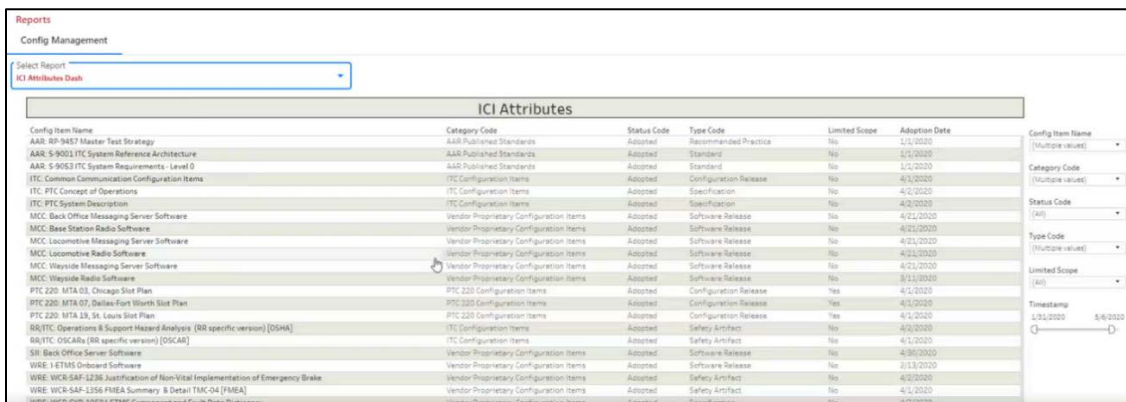




Exhibit 13. The Reports Page (Showing the ICI Versions Report)

Reports  
Config Management

Select Report  
ICI Versions

ICI Versions				
Carrier Mark	Config Item Name	Config Item Ver	Ver Type Code	Created To
AARE	F4 S 1.1 Test ICI	2.3	PROPOSED_DEPLOYED	5/11/2020 3:34:14 PM
	Test	3.0	PROPOSED_DEPLOYED	5/19/2020 4:17:31 PM
	WRE - ETMS Onboard Software	6.3.16.8	PROPOSED_DEPLOYED	5/12/2020 4:56:43 PM
		6.3.17.1.2 (H)	PROPOSED_DEPLOYED	5/5/2020 11:50:51 AM
AGR	AAR: RR-9457 Master Test Strategy	1.0	DRAFT	4/30/2020 1:18:20 PM
		2.0	DRAFT	4/30/2020 1:18:20 PM
	AAR: S-4047 PTC - Locomotive Air Brake Interface Requirements	1.0	DRAFT	4/30/2020 1:18:24 PM
		2.0	DRAFT	4/30/2020 1:18:24 PM
	MCC: Base Station Radio Software	3.1	PROPOSED_DEPLOYED	5/14/2020 1:34:20 PM
	MCC: Locomotive Messaging Server Software	1.5	PROPOSED_DEPLOYED	5/14/2020 1:34:20 PM
	WRE: WCR-SYR-1096 Office Segment Specification	1.6.2	NOT_DEPLOYED	5/20/2020 9:28:01 PM
	WRE/Arinc: Back Office Server Software	3.4.2.27	PROPOSED_DEPLOYED	5/15/2020 3:36:37 PM
AKMD	MCC: Base Station Radio Software	3.1	PROPOSED_DEPLOYED	5/14/2020 1:34:20 PM
	MCC: Locomotive Messaging Server Software	1.5	PROPOSED_DEPLOYED	5/14/2020 1:34:20 PM
	WRE: WCR-SYR-1096 Office Segment Specification	1.6.2	NOT_DEPLOYED	5/20/2020 9:28:02 PM
AZER	MCC: Base Station Radio Software	3.1	NOT_DEPLOYED	5/14/2020 1:35:29 PM
	MCC: Locomotive Messaging Server Software	1.5	NOT_DEPLOYED	5/14/2020 1:35:29 PM
	WRE: WCR-SYR-1096 Office Segment Specification	1.6.2	NOT_DEPLOYED	5/14/2020 1:38:30 PM
BNSF	F4 S 1.2 Test ICI	1.0	PROPOSED_DEPLOYED	5/20/2020 10:53:18 AM
		2.0	PROPOSED_DEPLOYED	5/20/2020 12:55:40 PM
		4.0	PROPOSED_DEPLOYED	5/20/2020 2:11:18 PM
	F4 S 1.8 - ICI Status Proposed	1.0	PROPOSED_DEPLOYED	5/20/2020 3:01:08 PM

Config Item Name: (All)  
Config Item Ver: (All)  
Carrier Mark: (All)  
Ver Type Code: (All)