Contents

Ethos Integration release notes

These release notes describe enhancements, new features, and updates in Ethos Integration releases.

Release January 30 2024

The January 30, 2024 release of Ethos Integration provides a hotfix to improve the performance of the auth-z service and display additional audit log attributes in the user interface.

Refer to PR00038149 Ethos Integration - 01302024 - Hotfix.

Release January 25 2024

The January 25, 2024 release of Ethos Integration provides a maintenance release to improve audit log performance.

Support for Audit Log

Ethos Integration implemented the following items to improve security and troubleshooting capabilities in the Audit Log:

• Masked the API key value shown in the Audit Log Comment field of the audit log.

• Updated the Audit Log to display the User IP address associated with the audit message.

Refer to PR00038047 Ethos Integration - 01252024.

Release January 15 2024

The January 15, 2024 release of Ethos Integration provides a hotfix to improve the performance of the auth-z service and improve performance when setting permissions in Experience Permissions.

Refer to PR00037999 Ethos Integration - 01152024 - Hotfix.

2023 releases

Release November 2023

The November 2023 release of Ethos Integration provides support for Ellucian Messaging Service (EMS) version 7.0.0 and Ellucian Message Adapter (EMA) version 5.2.

Support for EMS 7.0.0

EMS 7.0.0 support reflects that EMS maintains technical currency, ensuring that we support the latest RabbitMQ version (3.12.x) on:

- Windows
- RedHat Linux 8
- Ubuntu 22.04

Refer to Product Release PR00037675 Ellucian Messaging Service 7.0.0.

Support for EMA 5.2

EMA version 5.2 supports the update of an application to add business event subscriptions, and update EMA configuration settings for MEP for multiple tenants.

EMA 5.0 is compatible with Java version 11. Starting with 5.1, EMA is compatible with Java 8 or 11.

The Ellucian Message Adapter publishes data changes from Banner or Colleague to Ellucian Ethos Integration. Perform these procedures to configure the Ellucian Message Adapter and then deploy it to either a Tomcat or WebLogic web server.

Refer to Product Release PR00037244 Ellucian Messaging Adapter v5.1.0 and PR00037640 Ellucian Messaging Adapter v5.2.0.

See Configure and deploy the Ellucian Message Adapter with Banner and Configure and deploy the Ellucian Message Adapter with Colleague.

Ability to subscribe to business events

You can update an application to add event subscriptions.

A business event is an event that happened in the source system. It shows what event happened and what changed as a result of the event, such as an update to a person's name.

See Subscribe to business events and Retrieve messages.

Updates to setting up Banner in Ethos Integration for MEP with multiple tenants

You can set up Banner in Ethos Integration for non-MEP, MEP single tenant, and MEP multiple tenant environments.

For a Banner single-entity (non-MEP) implementation, create the Ethos applications and add the resources for which Banner is authoritative. See Set up Banner in Ethos Integration (non-MEP).

For a Banner Multi-Entity Processing (MEP) implementation, create the Ethos applications and add the resources for which Banner is authoritative, and set up other applications to access those resources. See:

- Set up Banner in Ethos Integration (MEP - single tenant)
- Set up Banner in Ethos Integration (MEP - multiple tenants)

Updates to EMA configuration settings for Banner

See the following for EMA configuration settings information:

- EMA configuration settings for Banner (non-MEP)
- EMA configuration settings for Banner (MEP - single tenant)
- EMA configuration settings for Banner (MEP - multiple tenants)

No changes have been made to EMA configuration settings for Colleague.

Release October 2023

The October 2023 release of Ethos Integration provides the ability for the Ellucian Messaging Adaptor version 5.1.0 to support the update of an application to add business event subscriptions.

Ability to subscribe to business events

You can update an application to add event subscriptions.

A business event is an event that happened in the source system. It shows what event happened and what changed as a result of the event, such as an update to a person's name.

See Subscribe to business events and Retrieve messages.

See EMA configuration settings for Banner and EMA configuration settings for Colleague for EMA configuration settings information.

Release September 2023

The September 2023 release of Ethos Integration allows the Ellucian Messaging Service to support Ubuntu.

The Ellucian Messaging Service 6.0 now supports Ubuntu 22.04 for Linux installation for Banner and Colleague.

To install the Ellucian Messaging Service on a Linux operating system for Banner, see Install the Ellucian Messaging Service on Linux.

To install the Ellucian Messaging Service on a Linux operating system for Colleague, see Install the Ellucian Messaging Service on Linux.

Release May 2023

The May 2023 release of Ethos Integration provides support for Ellucian Message Adapter (EMA) version 5.0.0 and Ellucian Messaging Service (EMS) version 6.0.0.

Enhancements

Ellucian Message Adapter (EMA) version 5.0.0 and Ellucian Messaging Service (EMS) version 6.0.0 provides several enhancements to Ellucian Ethos Integration.

Supported EMA versions

Supported EMA versions include 4.2, 4.3, and 5.0.

EMA Support enhancement

EMA 5.0 supports Grails version 5.1.9 and Java version 11.

Refer to Product Release number PR00034747 Ellucian Messaging Adaptor v5.0.0.

EMS support enhancement

This is a major release for EMS to mitigate CVE-2022-37026 with recent Erlang and RabbitMQ versions:

- Windows

    - Erlang 25.3.2
    - RabbitMQ 3.11.16
- RedHat Linux 7

    - Erlang 23.3.4.18
    - RabbitMQ 3.9.16
- RedHat Linux 8

    - Erlang 25.3.2
    - RabbitMQ 3.11.16

Refer to Product Release number PR00036528 Ellucian Messaging Service 6.0.0.

Refer to Install the Ellucian Messaging Service with Banner and Install the Ellucian Messaging Service with Colleague.

Updates

This release summary provides information about the issue resolved with Ellucian Message Adapter 5.0.0 for file sizes larger than 50 mb.

With this release, the file size of EMA is larger than 50 mb. If the war file fails to deploy with Tomcat, and you get an org.apache.tomcat.util.http.fileupload.impl.SizeLimitExceededException exception in the manager.log file, then you need to edit the manager configuration to allow a larger file size. See Deploy the Ellucian Message Adapter to Tomcat.

Release January 2023

The January 2023 release notes describe enhanced functionality that focuses on setting up permissions and Ethos Integration cards in Ellucian Experience. The new cards include Applications, Errors, and Audit Log cards.

Enhancements

Ethos Integration provides several Ellucian Experience card enhancements.

The View Errors, View Applications, and View Audit logs functions already exist in Ethos Integration. Ellucian has enhanced the user experience to allow you to view these functions from Ellucian Experience cards. Administrators can now set up which roles have access to view these features from within Ellucian Experience. In the future, you will be able to manage these functions, in addition to viewing them, through Ellucian Experience.

Set up Ethos Integration cards in Ellucian Experience enhancement

In Ellucian Experience, before you set up a card, you need to set up the permissions and roles that you want to have access to the card. See Set up permissions to access Ethos Integration cards in Ellucian Experience.

When permissions are set, you can set up the Ethos Integration cards in Ellucian Experience See Set up Ethos Integration cards in Ellucian Experience.

View errors enhancement

In Ellucian Experience, there is an Ethos Integration-Errors card. Click **View Errors** on that card to view the Errors page in Ethos Integration. You can then select the Errors, Warning, or Info tab for more error information.

See Use error reporting.

View applications enhancement

In Ellucian Experience, there is an Ethos Integration-Applications card. Click **View Applications** on that card to view the Applications page in Ethos Integration. Available applications and their descriptive information displays. Click on the applications to see all the information for that application.

See View applications in Ellucian Experience.

View audit logs enhancement

In Ellucian Experience, there is an Ethos Integration-Audit Logs card. Click **View Audit Logs** on that card to view the Audit Logs page in Ethos Integration.

See Use audit logging.

2022 releases

Release August 2022

The August 2022 release of Ethos Integration provides support for Ellucian Message Adapter (EMA) version 4.3.1.

Enhancements

Ellucian Message Adapter version 4.3.1 provides a security patch to Ellucian Ethos Integration.

Supported EMA versions include 4.3.0 and 4.3.1. Ellucian recommends that you upgrade to EMA version 4.3.1.

Ellucian Message Adapter v4.3.0 currently uses Grails 3.3.11, which is vulnerable to CVE-2022-35912. This release upgrades Grails framework to version 3.3.15, per Grails Foundation recommendations. Ellucian strongly recommends customers always operate on actively supported versions and advises Banner and Colleague users to promptly apply the upgrade, as it addresses vulnerabilities in Ellucian code and third-party components.

When using Tomcat on a Windows machine, you may have to take an additional step to allow deploying a larger file than the default configuration. See Deploy the Ellucian Message Adapter to Tomcat.

See Product Defect 0002153.

Release June 2022

The June 2022 release of Ethos Integration provides support for catalog applications.

New features

Ellucian Ethos Integration provides several new features.

View a list of catalog applications

If you created a manual application, you can associate that application with a catalog application. You can create an application on the From Catalog page by selecting **Create App**.

View catalog details

Now you can view the catalog template on the From Catalog page to see what it contains. You can create an application to associate it with that catalog on the Catalog Application page by selecting **Create App**.

Create an application using a catalog

In addition to being able to create an application manually, you can now create an application using a catalog. The catalog template allows administrators to use these templates to create applications.

If the catalog has GraphQL resources, on the GraphQL Resources page, the available GraphQL resources display. You can add more resources this application can reference.

Optionally, you can add subscriptions on the Add Subscriptions page.

Associate an application with a catalog

The first time you log in to Ethos Integration, you might have a number of applications that are not associated with a catalog. Ellucian prompts you to associate them with a catalog. For Ellucian applications and Ellucian partner applications, Ellucian can track which applications are mapped to catalogs and better support you. You do not need to associate custom applications or a third-party vendor that is not an Ellucian partner with a catalog.

Related tasks
View a list of catalog applications
View catalog details
Create an application using a catalog
Associate an application with a catalog

Enhancements

Ellucian Ethos Integration provides a manual application enhancement.

Add a manual application enhancement

On the Applications page, there is a Create New App area. Click **Manually** to add a manual application and follow the prompts.

Release May 2022

The May 2022 release of Ethos Integration provides support for Ellucian Message Adapter version 4.3.0.

Enhancements

Ellucian Message Adapter version 4.3.0 provides several enhancements to Ellucian Ethos Integration.

Supported versions include 4.2.0 and 4.3.0.

EMA 4.3.0 now supports Oracle Weblogic 14.x.

Updates

Ellucian Message Adapter version 4.3.0 provides an update to delete transaction handling to Ellucian Ethos Integration.

The business event definitions for EEDM.FIN.LedgerActivites.FGBTRND and EEDM.FIN.LedgerActivites.FGRBAKO are updated to bypass DELETE transactions to alternatively look at FGBTRID for the DELETE processing. INSERTs and UPDATEs functionality does not change.

2021 releases

Release September 2021

The September 2021 release provides support for audit logging.

You can view all the audit logs for a tenant who has audit logging enabled. The Audit log report helps you monitor logins to Ethos Integration configuration and keep track of changes to Ethos Integration configuration. Audit logging is enabled by default. Refer to Use audit logging.

The Ethos Integration audit logging service is a public-facing API that allows participating applications to publish audit logs so Ethos Integration can provide centralized management of audit logs and the ability to monitor participating applications and their conditions. Refer to Audit Logging API.

Release July 2021

The July 2021 release provides support for subscription filtering.

Subscription filtering allows you to specify conditions in which you get a change notification added to a subscriber's queue for a particular resource, reducing the size of subscription queues that can impact performance of the consume endpoint.

If you do not want all messages published and want to subscribe to specific data, you can consume only the messages you want by setting up filter criteria. Unnecessary messages will not be saved to your queues.

Related tasks
Add subscriptions by resource name
Add subscriptions by resource owner
Add subscriptions by resource name (multiple owners)
Add subscriptions by resource owner (multiple owners)
Related reference
Example subscription filters

Release April 2021

The March 2021 release notes for Ethos Integration describe new functionality that focuses on API settings, configuring ISO codes for Banner and Colleague, assigning a catalog to an application that has already been created in Ethos Integration, and steps to follow after an upgrade of the source API.

New Features

Ellucian Ethos Integration provides several new features.

Time reduction when configuring Ellucian Ethos Data Model APIs

Ethos Integration provides a single and consistent user experience for configuring Ellucian Ethos Data Model APIs for Banner and Colleague.

Ethos Integration has helped improve the onboarding process by providing clear guidance and recommendations for configuration settings.

Recommendations for configuration settings

If a resource is configurable in the source system, you can go to the resource-level API settings by clicking on the resource name on the **Owned Resources** tab.

Ability to assign a catalog to an application that is already created in Ethos Integration

If you created a manual application, you can associate that application to a catalog application.

Guidance for steps after upgrade of the source API

When a source system has completed an API upgrade, an Upgrade Available notification badge displays on the Applications page.

Clicking **Upgrade Available** opens the Upgrade Actions report. The Upgrade Actions report provides you with step-by-step guidance on actions you need to take after an API upgrade.

Related tasks
Configure ISO Codes for Banner
Configure ISO Codes for Colleague
Configure API settings
Associate a manually created application to a catalog
Review Upgrade Actions report

2020 releases

Release September 2020

The September 2020 release provides support for Ellucian Message Adapter version 4.2.0.

Enhancements

Ellucian Message Adapter version 4.2.0 provides several enhancements to Ellucian Ethos Integration.

Supported versions

Supported versions include 4.0.0, 4.1.0, and 4.2.0. Version 3.0 is no longer supported.

Event configuration enhancement

When event configuration is changed to add or update custom resources added with API Extensibility, the EMA picks up the changes at runtime, eliminating the need for a restart.

Security enhancement

Security is enhanced with additional check to validate that the API key provided in EMA belongs to a specific tenant. You can use the new tenantalias xml attribute to enter the alias for the Ellucian Ethos tenant. You can find the tenant in the Settings drop-down menu on the Integration UI. This field provides additional safeguards to prevent you from entering the incorrect API when you configure EMA.

id property improvement

EMA is enhanced to detect the scenario when an API response does not have `id` property and will log an error and will not process the message.

Support enhancement

EMA 4.2.0 supports Grails 3.3.11.

Related tasks
Configure the Ellucian Message Adapter on Windows with Banner
EMA 4.0.0/4.1.0/4.2.0 configuration settings for Banner
EMA 4.0.0/4.1.0/4.2.0 configuration settings for Colleague

Updates

This release summary provides information about the specific change requests resolved with Ellucian Message Adapter 4.2.0.

Refer to Release Ellucian Message Adapter v4.2.0 https://ellucian.force.com/clients/s/releases/a111M00000QD6Tv/ellucian-message-adapter-v420.

Release March 2020

The March 2020 release provides support for EMS version 4.0. Installation documentation is updated for EMS to indicate that the supported version of Rabbit MQ is now 3.8.2.

Ellucian Messaging Service version 4.0 release

Refer to Install the Ellucian Messaging Service with Banner and Install the Ellucian Messaging Service with Colleague.

Release February 2020

The 02052020 release of Ethos Integration provides support for GraphQL requests to Ellucian Ethos Data Access and enhancements to the Add Application wizard.

Enhancements

The February 2020 release of Ethos Integration provides several enhancements.

Support for GraphQL requests to Data Access

With this release, Ethos Integration supports using GraphQL requests to retrieve data from Ellucian Ethos Data Access.

Applications can access data in authoritative source applications through Ethos Integration by requesting specific data. Previously, Ethos Integration supported data requests using proxy API requests to the Ethos APIs of the other application, such as the Banner Integration and Student APIs or Colleague Ethos API. With this release, Ethos Integration also supports a new alternate method for requesting data: requests to Data Access using GraphQL, an open-source language and tool for querying data. GraphQL requests can improve performance by retrieving in one request

data that would require multiple requests to the Ethos APIs. To use GraphQL requests, you will need to set up the authoritative source (such as Banner or Colleague) to load data into Data Access.

The Application Overview page includes a new GraphQL tab where you can set up GraphQL requests.

With this release, you can start configuring your own applications to make GraphQL requests. In the future, Ellucian will enhance Ellucian solutions to make GraphQL requests.

Enhancements to the Add Application wizard

With this release, you can configure an application from within the Add Application wizard.

The first step in setting up an application in Ethos Integration is to run the Add Application wizard to create an Ethos application. Within the wizard, you can select an application from a catalog (if supported for the application you are configuring) or create the application manually. With this release, the manual option now supports setting up subscriptions, proxy API requests, and the new GraphQL requests from within the wizard, in addition to setting them up later from the Application Overview page.

Related concepts
GraphQL requests
Related tasks
Create an application in Ethos Integration