

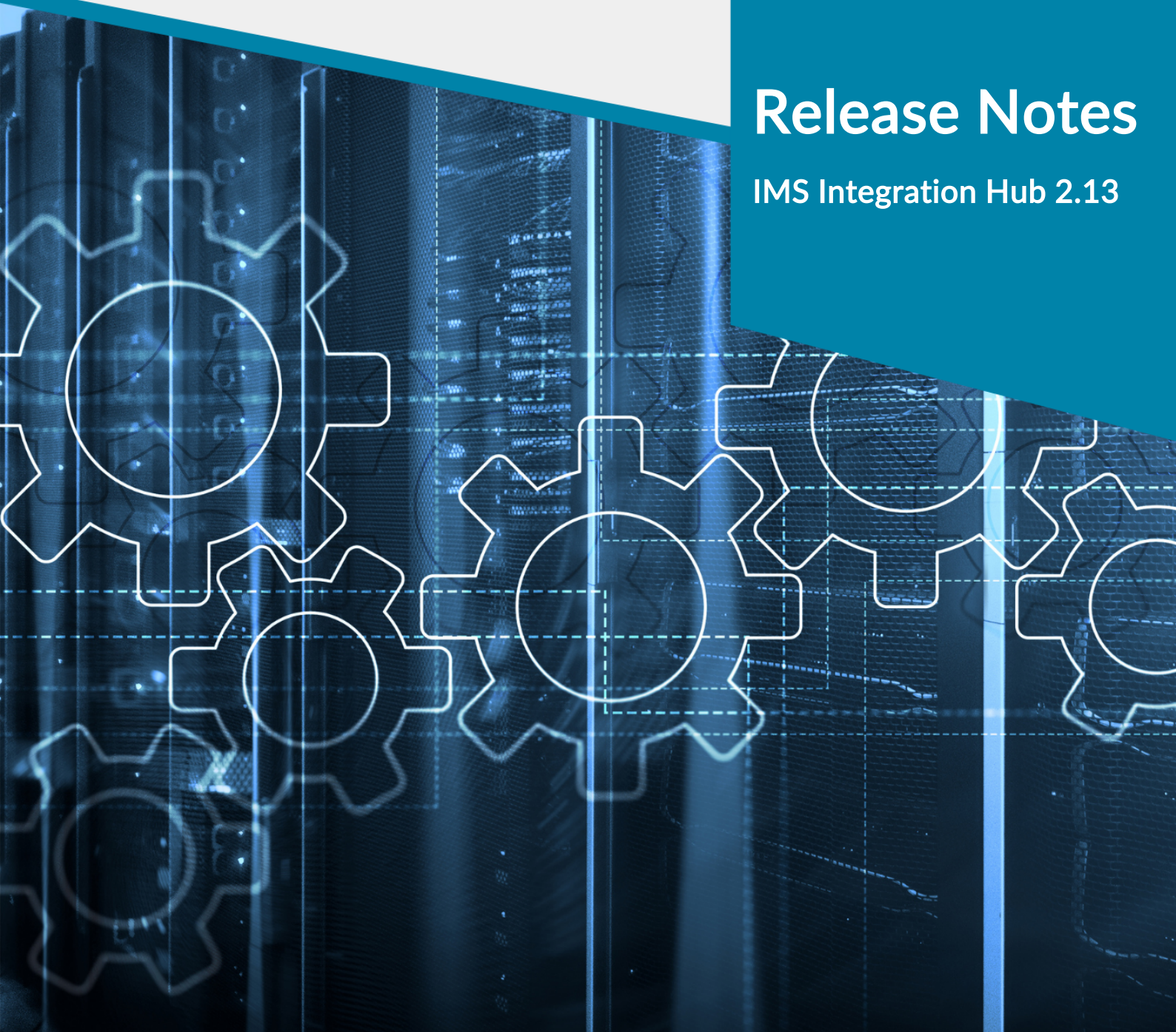


Intelligent Mining Solutions

# IMS INTEGRATION HUB

Release Notes

IMS Integration Hub 2.13



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Published: Thursday, 18 January 2024

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# Overview

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IMS Integration Hub transacts messages between Intelligent Mining Solutions (IMS) applications and third-party systems. IMS Integration Hub can also run various tasks based on file system watch and scheduled events.

## Further Information

Further information is available via the Support Portal  
<https://www.dataminesoftware.com/support/>.

For the complete IMS Integration Hub documentation, see  
[docs.dataminesoftware.com/MineMarket](https://docs.dataminesoftware.com/MineMarket).

# IMS Integration Hub Release Notes

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These entries describe new features and enhancements for IMS Integration Hub. These entries do not list changes in the software to fix defects (where the software does not perform as per the current specification).

## IMS Integration Hub 2.13.0 (January 2024)

- If you have access to an OAuth application for email authentication, you can use confidential authentication. Unlike interactive authentication, which requires knowledge of individual account passwords, confidential authentication uses a client secret or a certificate. After saving the email settings, IMS Integration Hub encrypts and masks the client secret for confidentiality.
- A default installation of IMS Integration Hub no longer includes a set of certificates to use with the Secure Sockets Layer (SSL) protocol. See **Certificate Management** in the **MineMarket Installation Guide** for how to generate certificates when saving the MineMarket Service configuration, or by running a provided batch file.
- Additional logging has been implemented for how files in file watch tasks (such as AUR Adaptors) are added to a queue for processing. This logging uses the existing logging configuration.

## IMS Integration Hub 2.12.0 (December 2023)

- All IMS Integration Hub installers, executables, and DLLs have been signed with Datamine's digital signature.
- IMS Integration Hub is configured by default to use the Secure Sockets Layer (SSL) protocol for encrypted communication between the IMS Integration Hub Service and all clients. IMS Integration Hub includes a set of self-signed certificates and keys. However, these certificates and keys have an expiry date and only work with a complete installation of MineMarket on a server identified as *localhost*. Contact Datamine for new certificates and keys as required, or use your own certificates and keys. See **Certificate Management** in the **MineMarket Installation Guide** for more information.

**Important:** All custom add-ins and adaptors require code changes to be used with IMS Integration Hub 2.12 or later, even if you are not using SSL. Contact Datamine for assistance with updating custom plug-ins and adaptors.

- Classes display alphabetically in the **Class Name** setting of adaptor call tasks.
- A caching issue where email polling tasks configured to use OAuth could fail with a duplicate key error has been fixed.
- Validation has been added to ensure that the end time of scheduled events must be later than the start time.
- Application errors related to IMS Integration Hub tasks can be logged. The configuration is shared with other application logging in `DistributionManager.Service.exe.config` and `DistributionManager.Server.exe.config`.

## IMS Integration Hub 2.11.0 (February 2023)

- IMS Integration Hub is only available as a 64-bit application. The 32-bit version has been deprecated.
- Bindings have been updated in `DistributionManager.Service.exe.config`, `DistributionManager.Server.exe.config` and `DistributionManager.Interface.exe.config`. See the IMS Integration Hub Installation Guide for further information.
- In IMS Integration Hub Service Config, the **BulkLoadPath** and **DisableBatching** settings have been removed.
- To use OAuth for email authentication, you need access to an Azure OAuth application. Connect to the Azure OAuth application via the **Azure OAuth Configuration** screen.

**Note:** Any existing OAuth configuration needs to be re-authenticated after upgrading to this version.

- If you are using AUR or B2MML adaptors with MineMarket 5.5.3 or later, the default communication framework is gRPC. The value of this setting in `DistributionManager.Server.exe.config`, `DistributionManager.Service.exe.config` and `DistributionManager.Interface.exe.config` must match the **Use Remoting** setting used for MineMarket. If *False*, MineMarket uses gRPC, which is a newer communication technology to communicate between the server and clients. This newer technology is not better or more functional than prior technologies; however, .NET Remoting is no longer actively developed and therefore must be replaced.

- **Freshdesk case: 125024** Code has been added to check that a file being watched by IMS Integration Hub has been fully downloaded (or copied) into the watch folder before processing the file. After 3 attempts to check the cancelled file, an error is thrown and the file will be ignored.

## IMS Integration Hub 2.10.0 (December 2021)

- .NET Framework 4.8 is required on the Application Server and all IMS Integration Hub Clients.
- Windows Server 2019 is supported for the IMS Integration Hub Application Server and the IMS Integration Hub Database Server.
- IMS Integration Hub supports OAuth 2.0 as an email authentication method. If you are testing the email configuration for OAuth for the first time, a Microsoft authentication dialog box displays. Follow the prompts to enter credentials for the account. IMS Integration Hub uses Azure Active Directory (AD) OAuth 2.0 to request an access token so that IMS Integration Hub can send emails on behalf of the authenticated account. This **From** address must be a Microsoft email account such as an Azure AD or Office 365 account.
- Default endpoints for integration with Production Accounting have been updated in `DistributionManager.Service.exe.config` and `DistributionManager.Server.exe.config`. See the IMS Integration Hub Installation Guide for further information.
- `DistributionManager.Service.exe.config` and `DistributionManager.Server.exe.config` include configuration for secure integration with MineMarket and Production Accounting.

## IMS Integration Hub 2.9.0 (September 2020)

- Rebranding changes to reflect Datamine's acquisition of IMS Integration Hub include a change to the default installation folder.
- Selected AUR adaptors have access to the object change notification functionality of MineMarket. If an AUR adaptor fails when updating an object in MineMarket, that object is still in memory in IMS Integration Hub. If another user changes that object in MineMarket, the object was not being refreshed in memory in IMS Integration Hub. With object change notification functionality, MineMarket notifies IMS Integration Hub that the object has changed, and IMS Integration Hub refreshes the object in memory. Object change notification must be enabled in the

MineMarket Server configuration, and there are changes to the IMS Integration Hub Server configuration files. See the IMS Integration Hub Installation Guide for further information.

## IMS Integration Hub 2.8.2 (October 2018)

- Message schema groups can be created for interrelated message schemas. Message schemas can be configured individually in the group, imported individually, or imported together. Subscribers are assigned to the message schema group, rather than to individual message schemas.
- When a message is sent to IMS Integration Hub, IMS Integration Hub checks the message type. If the message type matches a message schema name, the file is validated against that schema's XSD. Otherwise, if the message type matches a subscriber name, the file is validated against the XSDs of the message schema group linked to that subscriber.
- The **Message Log Viewer** can filter messages by message schema groups.
- A Windows Communication Framework (WCF) endpoint can receive error messages from a subscriber. If an endpoint is specified, the matching endpoint and binding must be configured and enabled in **DistributionManager.Service.exe.config** and **DistributionManager.Server.exe.config**. See the IMS Integration Hub Installation Guide for further information.

## IMS Integration Hub 2.8.1

- Secure Sockets Layer (SSL) / Transport Layer Security (TLS) can be enabled for communicating with a mail server via SMTP (for outgoing email) or IMAP (for incoming email). This option must be enabled for publishers, subscribers, or applicable tasks if the host server (for example, Gmail) does not support non-TSL communication.

## IMS Integration Hub 2.8.0

- **Important:** If using IMS Integration Hub with MineMarket, Datamine recommends upgrading to IMS Integration Hub 2.8 at the same time as upgrading to MineMarket 5.1. Similar security changes have been implemented in MineMarket 5.1.



- HTTP, UDP and named pipe endpoints and bindings have been replaced with secure TCP endpoints and bindings in all applicable configuration files.
- Unsecured MSMQ bindings have been replaced with secure bindings in all applicable configuration files.
- The default and recommended security mode for all TCP and MSMQ bindings is *Transport* in all applicable configuration files.
- The **Application Configuration Editor** can be used to update host names, ports, and TCP and MSMQ security in configuration files.

## IMS Integration Hub 2.7.1

- Defect fixes and performance improvements only.

## IMS Integration Hub 2.7.0

- The IMS Integration Hub Server components are compatible with Windows Server 2016.
- The IMS Integration Hub Client is compatible with Windows 10.
- Publishers can use integrated security for external SQL Server database connections.
- The getTransactionDefinitions functionality for BabelFish integration has been restored.
- Configuration files have been changed to support larger message sizes and longer transaction timeouts. See the IMS Integration Hub Installation Guide for details of the changes.
- The IMS Integration Hub Service sends a Success status to MineMarket's Monitored Services screen after all tasks are processed successfully.

## IMS Integration Hub 2.6.1

- Improved quality and consistency of user interface language throughout the IMS Integration Hub application.
- Added service host recycling to allow for recovery from fault conditions.

## IMS Integration Hub 2.6

- The IMS Integration Hub application can only be used in read-only mode when the IMS Integration Hub Service is running.
- Only one instance of the IMS Integration Hub application can be used in configuration mode (and only when the IMS Integration Hub Service is not running). If another instance of the IMS Integration Hub application is started, it will be in read-only mode.
- The IMS Integration Hub Service can only be started from the Windows Services screen if no instances of the IMS Integration Hub application are running.
- The IMS Integration Hub Service can only be started in console mode if no instances of the IMS Integration Hub application are running.
- A read-only user can start and stop the IMS Integration Hub Service.

## IMS Integration Hub 2.5.1

- Defect fixes and performance improvements only.

## IMS Integration Hub 2.5.0

### IMS Integration Hub Service Monitoring

- If IMS Integration Hub is being used with MineMarket, the status of the IMS Integration Hub Service can be monitored from within the MineMarket Client. The Service Status icon in the bottom-right corner of the MineMarket Client interface indicates whether monitored services are running and if they have errors. Double-clicking this icon opens the Monitored Services screen, with detailed information about the status of each monitored service. See the Summary of Changes... pages in the Installation Guides for MineMarket and IMS Integration Hub for details of the configuration for each service.

### Removal of IMS KeyGenerator Dependency

- IMS KeyGenerator is not required with IMS Integration Hub from version 2.5 or MineMarket from version 4.9.0, and should be uninstalled. See the Summary of Changes... pages in the IMS Integration Hub Installation Guide for details of the changes to IMS Integration Hub Server/Service and Client configuration files.
- If using IMS Integration Hub with MineMarket, IMS Integration Hub version 2.5 should only be used with MineMarket version 4.9.0 or later.

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## Read the Docs

[docs.dataminesoftware.com](https://docs.dataminesoftware.com)

## Get in Touch

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