



Informatica® Intelligent Cloud Services
July 2024

Data Services Repository

Informatica Intelligent Cloud Services Data Services Repository
July 2024

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Table of Contents

- Preface 4**
- Informatica Resources. 4
 - Informatica Network. 4
 - Informatica Knowledge Base. 4
 - Informatica Documentation. 4
 - Informatica Product Availability Matrices. 5
 - Informatica Velocity. 5
 - Informatica Marketplace. 5
 - Informatica Global Customer Support. 5

- Chapter 1: Data services repository..... 6**
- Data service names and types. 6
- Data service customization. 7
- Downloading a data service. 7
- Creating a custom data service. 7
- Editing or deleting a custom data service. 8
- Saving and resetting default filters. 9

- Index..... 10**

Preface

Use *Data Services Repository* to learn how to manage a repository of data services that process industry-standard and custom messages.

Informatica Resources

Informatica provides you with a range of product resources through the Informatica Network and other online portals. Use the resources to get the most from your Informatica products and solutions and to learn from other Informatica users and subject matter experts.

Informatica Network

The Informatica Network is the gateway to many resources, including the Informatica Knowledge Base and Informatica Global Customer Support. To enter the Informatica Network, visit <https://network.informatica.com>.

As an Informatica Network member, you have the following options:

- Search the Knowledge Base for product resources.
- View product availability information.
- Create and review your support cases.
- Find your local Informatica User Group Network and collaborate with your peers.

Informatica Knowledge Base

Use the Informatica Knowledge Base to find product resources such as how-to articles, best practices, video tutorials, and answers to frequently asked questions.

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Informatica Product Availability Matrices

Product Availability Matrices (PAMs) indicate the versions of the operating systems, databases, and types of data sources and targets that a product release supports. You can browse the Informatica PAMs at <https://network.informatica.com/community/informatica-network/product-availability-matrices>.

Informatica Velocity

Informatica Velocity is a collection of tips and best practices developed by Informatica Professional Services and based on real-world experiences from hundreds of data management projects. Informatica Velocity represents the collective knowledge of Informatica consultants who work with organizations around the world to plan, develop, deploy, and maintain successful data management solutions.

You can find Informatica Velocity resources at <http://velocity.informatica.com>. If you have questions, comments, or ideas about Informatica Velocity, contact Informatica Professional Services at ips@informatica.com.

Informatica Marketplace

The Informatica Marketplace is a forum where you can find solutions that extend and enhance your Informatica implementations. Leverage any of the hundreds of solutions from Informatica developers and partners on the Marketplace to improve your productivity and speed up time to implementation on your projects. You can find the Informatica Marketplace at <https://marketplace.informatica.com>.

Informatica Global Customer Support

You can contact a Global Support Center through the Informatica Network or by telephone.

To find online support resources on the Informatica Network, click **Contact Support** in the Informatica Intelligent Cloud Services Help menu to go to the **Cloud Support** page. The **Cloud Support** page includes system status information and community discussions. Log in to Informatica Network and click **Need Help** to find additional resources and to contact Informatica Global Customer Support through email.

The telephone numbers for Informatica Global Customer Support are available from the Informatica web site at <https://www.informatica.com/services-and-training/support-services/contact-us.html>.

CHAPTER 1

Data services repository

The data services repository is a central repository of data services that process industry-standard messages. If your organization exchanges customized messages with your partners, you can upload custom data services to the repository to process the custom messages.

By default, the repository includes the following out-of-the-box data services and versions:

- ACORD AL3 versions Fall 2009, Fall 2011, Spring 2012
- BAI versions BAI2 and Lockbox
- EDIFACT versions 90A to 09A
- EDI-X12 versions 3010 to 7010
- HIPAA version 5010A1
- HIX version 5010
- HL7 all versions
- NACHA version 2022
- NCPDP versions 5.1 and D.0
- SWIFT MT, MX-ISO20022 versions SR21, SR22, SR23, SR24

For example, use the HIPAA data services to exchange HIPAA messages with your healthcare partners.

Additionally, the repository includes HL7 to FHIR mapper and validation services.

If your organization or your partners customize messages by adding or removing message elements, create custom data services to process the custom messages. For example, if a partner uses customized Z-segments in the messages, create custom services to process the non-standard messages.

You use the data services in a Data Services transformation in a mapping. For more information about the Data Services transformation, see *Transformations* in the Data Integration help.

Data service names and types

The name of a data service indicates the industry standard, the version of the standard, the message type, and the service usage type, in the following syntax:

```
<industry standard>_<version>_<message type>_<usage type>
```

The usage type can be one of the following types:

- Parser. Use a parser service to receive messages from your partners.
- Serializer. Use a serializer service to send messages to your partners.

- **Restricted serializer.** Use a restricted serializer service to send messages to your partners, including validation messages. Applies to HIPAA messages.

For example, to build HIPAA message 270, version 5010A1, use the following service:

HIPAA_5010A1_270_Parser

Data service customization

You use custom data services to process customized messages.

To create a custom data service, perform the following tasks:

1. In Administrator, download an out-of-the-box data service for the standard form of the same message or for a similar message and unzip the download file to a folder with a unique name.
Note: You can't edit an out-of-the-box service. You must download it and create a new service.
2. Edit the files that you downloaded to align with the customized message structure.
3. In Administrator, create a custom data service and associate the folder of the customized service files with it.

Downloading a data service

You can download both custom and out-of-the-box data services from the data services repository to your local machine. After you download an out-of-the-box service, you can use the service as a template to base a custom service on.

1. On the **Data Services Repository** page, select the row that contains the service, click the Download icon, and then save the ZIP file to your local machine.
2. Unzip the file to a folder with a unique name.
Folder names are case sensitive.

Creating a custom data service

When you create a custom data service, you upload a data service folder or files that you created based on an out-of-the-box service.

1. On the **Data Services Repository** page, click **New Custom Data Service**.
The **New Custom Data Service** dialog box opens.

2. Browse to select the folder that contains the service files.

Note: You can't upload files with the following file extensions: app, bat, bin, cmd, com, dll, exe, inf, jar, msi, net, osx, out, py, run, script, sh, shortcut, so, vbs, vbscript, wsh, x86, x86_64, php. Files can't contain double extensions.

3. Optionally, add a description to the service. The description can't contain the following special characters: < , >.
4. Select the industry standard, version, message type, operation, and environment.

Note: HIPAA uses the following message subtypes for message type 837:

- Version 222: Message type 837P
- Version 223: Message type 837I
- Version 224: Message type 837D

If the version contains BHT and 11 for message type 278, the message subtype is 278_RES or 278_REQ otherwise.

If the version contains TH for message type 277, the message subtype is 277CA.

5. Click **Save**.

The data service appears on the **Data Services Repository** page. It takes about five minutes to deploy a data service.

6. To view the custom data service, filter the data services by **Type: Custom**.

Editing or deleting a custom data service

You can edit a custom data service to associate a different service folder with the service. The folder must exist before you edit the service. You can't edit or delete an out-of-the-box data service.

1. To edit a custom data service, on the **Data Services Repository** page, select the row that contains the service and then click the Edit icon.
2. To associate a different data service folder or files with the service, browse to select the folder that contains the data service files.
3. Optionally, select a different industry standard, version, message type, operation, or environment.

Note: HIPAA uses the following message subtypes for message type 837:

- Version 222: Message type 837P
- Version 223: Message type 837I
- Version 224: Message type 837D

If the version contains BHT and 11 for message type 278, the message subtype is 278_RES or 278_REQ otherwise.

If the version contains TH for message type 277, the message subtype is 277CA.

4. Click **Save**.

To delete a custom data service on the **Data Services Repository** page, select the row that contains the service and then click **Delete**.

Saving and resetting default filters

Save default filters to automatically filter the data services each time you visit the **Data Services Repository** page. Reset the filters to the default filters to revert any changes to the filters.

1. Filter the data services.
2. To save the filters as the default filters, click **Save Default Filters**.
3. To revert to the default filters, click **Reset to Default Filters**.

The default filters apply on the **Data Services Repository** page and in the Data Services transformation in Data Integration.

INDEX

I

Informatica Global Customer Support
contact information [5](#)