



Informatica® AddressDoctor
1.5.0

Database Download Manager Guide

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Preface

Read the *Database Download Manager Guide* to learn how to download address reference data with the Informatica AddressDoctor® Database Download Manager.

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.

To search the Knowledge Base, visit <https://search.informatica.com>. If you have questions, comments, or ideas about the Knowledge Base, contact the Informatica Knowledge Base team at KB_Feedback@informatica.com.

Informatica Documentation

Use the Informatica Documentation Portal to explore an extensive library of documentation for current and recent product releases. To explore the Documentation Portal, visit <https://docs.informatica.com>.

If you have questions, comments, or ideas about the product documentation, contact the Informatica Documentation team at infa_documentation@informatica.com.

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.

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Informatica Global Customer Support

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

To find your local Informatica Global Customer Support telephone number, visit the Informatica website at the following link:

<https://www.informatica.com/services-and-training/customer-success-services/contact-us.html>.

To find online support resources on the Informatica Network, visit <https://network.informatica.com> and select the eSupport option.

CHAPTER 1

Introduction to Informatica AddressDoctor Database Download Manager

This chapter includes the following topics:

- [Informatica AddressDoctor Database Download Manager Overview, 8](#)
- [Database Download for Versions 5.x and 6.x, 9](#)
- [Informatica Passport, 9](#)
- [Reference Databases and Packages, 9](#)
- [Working with Configuration Files, 12](#)
- [Smart Download and Overwrite Options, 16](#)

Informatica AddressDoctor Database Download Manager Overview

Use Informatica AddressDoctor Database Download Manager to select and download the reference databases that enable on-premises address verification. Database Download Manager is available on the web and as a Java-based client application.

The Database Download Manager web page and client application are integrated with the Informatica Passport single sign-on solution. You can download the client application from the web page.

You can use your Informatica Passport user profile to seamlessly access Informatica tools and portals, including Database Download Manager and the Data Quality Center. If you do not have a user profile, create a profile and assign one or more Data Quality Center accounts to the profile before you use Database Download Manager.

When you install the client application, you can download the reference databases through the client user interface or on the command line. Database Download Manager lists all of the reference databases that AddressDoctor supports. You can filter the list to view the databases that the Data Quality Center accounts associated with the current profile are authorized to download. You obtain download rights for reference databases when you buy a subscription to the reference data.

Database Download for Versions 5.x and 6.x

The method that you use to download the database files depends on the version of Address Verification that you install.

The following table describes the methods that you can use:

Product Version	Database Download Manager Web Page	Database Download Manager Client Application	Command Line
Address Verification 5.x	Yes	Yes	Yes
Address Verification 6.x	Yes	Yes	No

Note: The web page and client applications display a release number that indicates the current version of each application type. The release numbers may vary across the applications and web pages. For example, the Database Download Manager web page displays 1.5.0 as the release number, while the current client application for version 6 database files displays 2.0.5 as the release number.

The download options for version 5.x data are identical across the corresponding web pages and client applications. Likewise, the download options for version 6.x data are identical across the web pages and client applications. The download options for version 5.x data and version 6.x data are data are very similar to each other.

Informatica Passport

Informatica Passport provides seamless access to various Informatica applications and solutions, including the Data Quality Center and Database Download Manager. Informatica Passport and Database Download Manager are integrated through the Security Assertion Markup Language (SAML) data format.

If you do not have an Informatica Passport user profile, click the **Register** link at <https://dq.addressdoctor.com/SSO> and create an account. For more information about creating a user profile, see the *Data Quality Center User Guide*.

Note: Database Download Manager displays no database to download in the following scenarios:

- Your user profile is not associated with a Data Quality Center account.
- The Data Quality Center account that is associated with your user profile has no valid unlock codes.

Reference Databases and Packages

Informatica reference databases are proprietary-format database files that contain reference data for the countries and territories that Informatica supports. The reference databases are read-only and platform-independent.

The format and naming structure for the reference databases differ between Address Verification versions 5.x and 6.x. The database files that you download depend on the product version that you use.

Databases for Address Verification 5.x Releases

You can download the version 5.x databases from the Database Download Manager web page, or you can install the Database Download Manager client application to download the version 5.x databases.

Types of Reference Data

Address Verification provides the following types of reference database file:

- Batch and interactive data (BI)
- Fast completion data (FC)
- Certified data (Cx). The x character represents a number.
- Address code lookup data (AC)
- Standard geocoding data (GC)
- Arrival point geocoding data (GCAP)
- CAMEO data (CA)
- Supplementary data (Ex). The x character represents a number.

You might download multiple reference address databases for a country.

Most countries use a single version of each database file. However, a country might have multiple version of a file. An ID number such as 01, 02, or 03, in the zip package name identifies the version of the database file.

For example, the reference data zip files that you download for Australia can include the two-digit code _01 or _02 in the file names. Select the _02 version of the file to download reference data that includes sub-building data. Select the _01 version of the file to download reference data without sub-building data.

Reading the Database File Names

The database file names have the following format:

`DB5_XXXZZZZ_NN_YYMMDD.zip`

You can interpret the file names in the following way:

- `XXX` denotes the ISO 3166-1 alpha 3 code for the country or territory to which the reference data applies. For example, `USA` for the United States.
- `Y` denotes the primary product version. For example, 5.
- `ZZZZ` denotes the reference database type. For example, `BI` for Batch and Interactive and `GCAP` for arrival point geocoding.
- `NN` denotes the iteration of the file. Most files have the iteration number 01. Some countries use iteration numbers to identify files with additional data.
- `YYMMDD` denotes the date on which Informatica issued the file.

For example, `DB5_CAN5C1_01_150201.zip` contains a SERP-certified reference address database for Canada. `DB5_FRA5E1_01_181101.zip` contains the supplementary reference address database for France address enrichments.

You download the files in a compressed (zip) format. The zip file names follow a similar naming convention to the database file names. The zip file names also include the day, month, and year on which Informatica created the file.

Unlock Codes

You need valid unlock codes for the database that you download.

The following table describes the unlock code types that the databases require:

Unlock Code Type	Description
VALIDATION	Unlock code for batch and interactive and fast completion databases.
GEO_STANDARD	Unlock code for standard geocoding databases.
GEO_ARRIVAL_POINT	Unlock code for arrival point geocoding databases.
CAMEO	Unlock code for CAMEO databases.
ADDRESS_CODE_LOOKUP	Unlock code for address code lookup databases.
SINGLE_LINE_VALIDATION	Unlock code for single line address validation feature.
SUPPLEMENTARY	Unlock code for supplementary databases that contain information about country-specific enrichments.

Databases for Address Verification 6.x Releases

You can download the version 6.x databases from the Database Download Manager web page, or you can install the Database Download Manager client application to download the version 6.x databases.

Types of Reference Data

Address Verification provides the following types of reference database file:

- Address Code Lookup data
- Batch and Interactive data
- Certified data
- QuickCapture data
- GeocodeToAddress data
- Geocoding data
- CAMEO data
- Supplementary data

Reading the Database File Names

The database file names have the following format:

`<ISO3>_<Function>_<ProcessType>_<ProcessSubType>_<DataSetID>_<MinVersion>.MD6`

For example, `DEU_ADV_VRF_BIA_001_6_1_0.MD6`

Interpret the file names in the following way:

- ISO3 denotes the three-character ISO country code. For example, DEU for Germany.
- Function denotes the name of the product. In the file name, ADV represents Address Verification.
- ProcessType denotes the type of process. In the file name, VRF represents Verification, ENR represents Enrichment, and RLK represents Reverse Lookup.
- ProcessSubType denotes the process mode for which the file is intended or the type of data that the file contains.

The following list identifies the subtypes:

- ACL for AddressCodeLookup mode
 - BIA for Batch and Interactive modes
 - Cxx for Certified mode
 - QCP for QuickCapture mode
 - GTA for GeocodeToAddress mode
 - GAP for arrival point geocoding
 - GRT for rooftop geocoding
 - GST for street center, locality center, and postal code center geocoding
 - CAM for CAMEO data
 - EN1 for supplementary data
 - DataSetID denotes the data set ID value. The supported range is 000 through 999.
 - MinVersion denotes the oldest version of Address Verification with which you can use the file.
- MinVersion has the following format:

`<MajorVersion>_<MinorVersion>_<ReleaseVersion>`

License Keys

Informatica sends you the license keys that you need when you buy a data subscription. Ensure that the valid license keys are available for the data files that you download.

Working with Configuration Files

The Database Download Manager reads a set of files to determine the default options for download operations.

The Database Download Manager uses the following files:

- `config.properties`. Defines the default download settings for the Database Download Manager client application and the command line.
- `download.xml`. Lists the files that the Database Download Manager tries to download by default when you use the command line.
- `downloadhistory.xml`. Lists the files that you downloaded in the most recent download operation.

You can update the options in the `config.properties` and `download.xml` files at any time.

The Database Download Manager creates the `config.properties` file when you install the application. The Database Download Manager creates the other files when you perform your first download.

Note: The command line supports Address Verification 5.x reference database files only.

Configuration Properties File

The Database Download Manager reads configuration information from the `config.properties` file. The Database Download Manager reads the file to set the default download options when you log in to the Database Download Manager client. The file also sets the options that the Database Download Manager uses

when you download data on the command line. You can update the options in the client and on the command line before you download data.

The Database Download Manager searches for the `config.properties` file when you log in to the client. If the Database Download Manager cannot find a copy of the file, it creates the file. Whenever you update the settings in the client application, you update the associated properties in the file. You also update the file properties when you download data on the command line with a `-Remember` option of `yes`. You can update the file properties in a text editor at any time.

The Database Download Manager applies an AND relationship to the file properties. By default, the Database Download Manager downloads the files that meet all of the criteria that the properties specify.

Configuration Properties

The first time you log in to the Database Download Manager, the Database Download Manager creates an instance of the properties file in the client installation directory.

The file contents have the following appearance:

```
#Wed Sep 17 20:00:57 IST 2014
DownloadDirectory=C\:\Downloadtool\Downloads
ReleaseDate=all
token=9f7*****6e1
DownloadType=All
OverWrite=No
UserName=ADMUser@YourDomain.com
EngineVersion=5.4.0
Smart=Yes
FileType=ALL
Country=ALL;
```

The Database Download Manager populates the following values in the properties file:

DownloadDirectory

The directory to which Database Download Manager downloads the reference databases. If you do not specify a download location, the Database Download Manager creates a directory called `Downloads` in the client installation directory.

ReleaseDate

The earliest version of the reference data that that Download Manager will consider for download.

Set one of the following options:

- `all`. Download databases regardless of age.
- `current`. Download the current version of the databases.
- `last2`. Download any database that Informatica updated in the last two months.
- `last3`. Download any database that Informatica updated in the last three months.

Default is `all`.

token

The system-generated access code that Informatica AddressDoctor assigns to a user when the user logs in to the Database Download Manager client application for the first time. A token is valid for one year.

Note: To add a token to the properties file, select **Remember Me** when you log in to the client application.

DownloadType

The type of file download that the Database Download Manager performs. Supported values are `All` and `Custom`. When `DownloadType` is set to `All`, the Database Download Manager downloads all the files that

you are authorized to download. When `DownloadType` is set to `Custom`, the client downloads only those files that the `download.xml` file specifies. Default is `ALL`.

OverWrite

The update policy that the Database Download Manager applies to current database files in the download directory. Supported values are `Yes` and `No`. When `OverWrite` is set to `Yes`, the Download Manager overwrites any file in the download directory if the download operation specifies the same file. Default is `no`.

UserName

The user name that you use to log in.

EngineVersion

The on-premises AddressDoctor version that you specify. Specify the version with which you will use the files that you download.

Smart

The policy that the Database Download Manager applies to smart downloads. Supported values are `Yes` and `No`. When smart download is set to `Yes`, the Database Download Manager checks the `downloadhistory.xml` file to identify the files that you previously downloaded and downloads any absent or newer version of each file. Default is `yes`.

FileType

The type of database, such as `BI` (batch and interactive) or `FC` (fast completion), that you want to download. Default is `ALL`.

Country

The ISO code of each country for which you want to download databases. Default is `ALL`, for all countries.

RELATED TOPICS:

- [“Data Download on the Command Line Overview ” on page 29](#)

Download Properties File

The download file, `download.xml`, contains a list of databases that you can use as a default list when you run the Download Manager on the command line. Before you download one or more reference databases on the command line, verify that the `download.xml` file lists the databases that you need. Add or delete reference databases from the `download.xml` file if necessary.

Find the file in the directory to which you saved the download tool client application. When you download reference databases through the client application, the Download Manager creates a `download.xml` file in the application directory if one does not exist there.

Download File Example

The download file lists each country for which you want to download data and the name of the database that you require in the country. The file lists the country and database name in pairs. If you download more than one database for a country, the file repeats the country name for each database. The download file also contains a time stamp that shows the time when you last updated the download list.

The following example shows the XML structure of a `download.xml` file for version 5.x reference data files:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  <FiletoDownloadQueue>
    <DlFileStructure>
      <countryName>United States</countryName>
```

```

        <fileName>DB5_USA5FC_131101.zip</fileName>
    </DlFileStructure>
    <DlFileStructure>
        <countryName>United States</countryName>
        <fileName>DB5_USA5BI_131101.zip</fileName>
    </DlFileStructure>
    <DlFileStructure>
        <countryName>France</countryName>
        <fileName>DB5_FRA5BI_131101.zip</fileName>
    </DlFileStructure>
    <DlFileStructure>
        <countryName>France</countryName>
        <fileName>DB5_FRA5FC_131101.zip</fileName>
    </DlFileStructure>
    <DlFileStructure>
        <countryName>Germany</countryName>
        <fileName>DB5_DEU5FC_131101.zip</fileName>
    </DlFileStructure>
    <DlFileStructure>
        <countryName>United Kingdom</countryName>
        <fileName>DB5_GBR5FC_131101.zip</fileName>
    </DlFileStructure>
    <Created>2014/07/27 16:31:42</Created>
</FiletoDownloadQueue>

```

The download.xml file above lists the following countries and files:

- United States. Batch and interactive database and fast completion database.
- France. Batch and interactive database and fast completion database.
- Germany. Fast completion database.
- United Kingdom. Fast completion database.

Download History File

The downloadhistory.xml file contains information about the most recent set of database files that you downloaded.

The Database Download Manager client application creates the downloadhistory.xml file when you first download reference address databases through the client application. The Database Download Manager creates the downloadhistory.xml file in the client installation directory. If you modify your database selections in subsequent downloads, the Database Download Manager client updates the downloadhistory.xml file to include the databases that you downloaded.

The following example shows a downloadhistory.xml file:

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<DownloadDetail>
    <FileDownloadInfo>
        <countryName></countryName>
        <fileName>DB5_CAN5FC_140901.zip</fileName>
        <status>Downloaded</status>
        <downloadDate>2014/09/17 11:19:11</downloadDate>
    </FileDownloadInfo>
    <FileDownloadInfo>
        <countryName></countryName>
        <fileName>DB5_USA5BI_140901.zip</fileName>
        <status>Downloaded</status>
        <downloadDate>2014/09/17 11:19:45</downloadDate>
    </FileDownloadInfo>
    <FileDownloadInfo>
        <countryName></countryName>
        <fileName>DB5_CAN5C1_140901.zip</fileName>
        <status>Downloaded</status>
        <downloadDate>2014/09/17 11:20:28</downloadDate>
    </FileDownloadInfo>

```

```
</FileDownloadInfo>  
</DownloadDetail>
```

The downloaded files in the example include Canada fast completion and certified databases and United States batch and interactive databases.

Smart Download and Overwrite Options

The Download Manager includes options that you can use to define a policy for adding or replacing files in the download directory. Enable the smart download option to update only the databases that you have downloaded previously. Enable the overwrite option to permit the Database Download Manager to overwrite current files in the download directory.

You must verify or set the smart download and overwrite options in the `config.properties` file before you download reference database files.

Smart Download

When you enable the smart download option, the Database Download Manager checks the `downloadhistory.xml` file associated with your user profile and downloads any absent or newer versions of the databases that the file specifies. The Database Download Manager does not download a database on the `downloadhistory.xml` file list if the database is present in the download directory and if a newer version of the database is not available. The smart download option is enabled by default.

When you disable the smart download option, the Database Download Manager client downloads all of the databases that your settings specify, including any previously downloaded database.

Overwrite

When you select the overwrite option, the Database Download Manager can overwrite files in the download directory. The Database Download Manager does not overwrite files in the download directory unless you configure the client to overwrite the files. The overwrite option is disabled by default.

Note: If you enable both smart download and overwrite, the Database Download Manager downloads and overwrites only those files that are listed in the `downloadhistory.xml` file. If you do not enable the overwrite option, the Database Download Manager cannot overwrite any file in the download directory.

CHAPTER 2

Database Download Manager On the Web

This chapter includes the following topics:

- [Database Download Manager Web Page Overview, 17](#)
- [Opening the Database Download Manager Web Page, 17](#)
- [Viewing the Database Download Manager Web Page, 18](#)
- [Downloading a Reference Address Database, 20](#)
- [Downloading the Client Application, 20](#)

Database Download Manager Web Page Overview

You can download one reference database at a time from the Database Download Manager web page. You can also use the Database Download Manager web page to download the Database Download Manager client application, Informatica AddressDoctor software packages, and Informatica AddressDoctor documentation.

By default, the Database Download Manager web page displays the list of reference address databases that your Informatica Passport user profile is authorized to download. You can also view the complete list of reference databases that Informatica provides.

Opening the Database Download Manager Web Page

Your Informatica Passport user profile credentials give you access to the Database Download Manager.

1. Log in to the Database Download Manager at the following url:
<https://download.addressdoctor.com>
2. Click the **AddressDoctor Database Download Manager** option.
The Database Download Manager web page appears.

Viewing the Database Download Manager Web Page

The Database Download Manager web page displays a range of options that you can use to select and download reference databases and to perform other actions.

The Database Download Manager web page lists the version 5.x and version 6.x databases for download. You can download the databases that you require from the **Data download V5** tab and the **Data download V6** tab.

The following image shows the Database Download Manager options for version 5.x data files:

[Data download V5](#) | [Data download V6](#) | [Other Downloads](#) | [Support](#) | [Contact us](#) | [Dashboard](#) | [Help](#) | [Logout](#)

Welcome DAVID (DH@INFORMATICA.COM)

Download Country Databases

This page lists all reference address databases that are currently available for Informatica AddressDoctor customers. You can download only those databases for which you have purchased unlock codes.

▶ mark indicates the databases that are updated in the last release.

By default, the portal displays only those databases that your account is authorized to download. Uncheck the "Show Allowed" check box to view the complete list of databases.

Country:

All countries
Afghanistan
Albania
Algeria
Andorra

Database Type:

All File Types
Batch-Interactive
FastCompletion
GeoCoding
Point GeoCoding Arrival Point

Database Updates For

All Releases

Version:

5.12.0
5.13.0
5.14.0
5.15.0
5.16.0 and later

☒ Show Allowed

Apply Filter

Total 830 records found in your search.

Country	File Type	DB Release Date	Supported Versions	File Name	Download Link	Accounts
Afghanistan	Afghanistan Batch/Interactive	July-2017	All Versions	DB5_AFG5BI_01_170701.zip	Download	88111
Afghanistan	Afghanistan Fast Completion	July-2017	All Versions	DB5_AFG5FC_01_170701.zip	Download	88111
▶ Afghanistan	Afghanistan Geocoding	May-2018	All Versions	DB5_AFG5GC_01_180501.zip	Download	88111
Albania	Albania Batch/Interactive	October-2017	All Versions	DB5_ALB5BI_01_171001.zip	Download	88111
Albania	Albania Fast Completion	October-2017	All Versions	DB5_ALB5FC_01_171001.zip	Download	88111
▶ Albania	Albania Geocoding	May-2018	All Versions	DB5_ALB5GC_01_180501.zip	Download	88111
Algeria	Algeria Batch/Interactive	June-2017	All Versions	DB5_DZA5BI_01_170601.zip	Download	88111
Algeria	Algeria Fast Completion	June-2017	All Versions	DB5_DZA5FC_01_170601.zip	Download	88111

Filter Options

Use the following options to filter the databases:

Country

The name of the country for which you want to view or download reference address databases. The option appears on the Data download V5 and Data download V6 pages.

Database Type

The type of version 5.x reference address database that you want to view or download, for example Batch and Interactive or Fast Completion. Or, the type of version 6.x process for which you want to view or download data, for example Verify or Enrich. The option appears on the Data download V5 and Data download V6 pages.

Database Sub-type

The type of version 6.x reference address database that you want to view or download. For example, Batch and Interactive or Certified. The option appears on the Data download V6 page.

Note: In version 5.x, you use the **Database Type** field to identify the type of reference data to download. In version 6.x, you use both the **Database Type** and **Database Sub-type** fields.

Database Updates For

The age of the reference address databases that you want to view or download, based on the released version of the files. The option appears on the Data download V5 and Data download V6 pages.

You can choose the following options:

- All Releases. Any update available for the databases that meet the specified criteria, regardless of the age of the database files. This is the default option.
- Current Release. Any eligible file updated in the latest database release cycle.
- Last 2 Releases. Any eligible file updated in the last two database release cycles.
- Last 3 Releases. Any eligible file updated in the last three database release cycles.

Version/Versions

The AddressDoctor engine version with which you will use the databases that you download. The Download Manager can filter out the databases that are not compatible with the version that you select. The option appears on the Data download V5 and Data download V6 pages.

Note that the option appears as Version on the Data download V5 page and as Versions on the Data download V6 page.

Show Allowed

Hides any database that you are not permitted to download. To view the complete list of reference databases that are available from Informatica, clear the option. The option appears on the Data download V5 and Data download V6 pages.

Database Information

The Database Download Manager web page displays the following details about the reference databases:

Country

The country name. The option appears on the Data download V5 and Data download V6 pages.

File Type

The database type, such as Batch and Interactive or Certified. The option appears on the Data download V5 and Data download V6 pages.

DB Release Date

The date on which the database was released. The option appears on the Data download V5 and Data download V6 pages.

Supported Versions

The AddressDoctor engine version with which the database is compatible. The option appears on the Data download V5 page.

File Name

The database file name. The option appears on the Data download V5 and Data download V6 pages.

Download Link

The link that you can use to download the database. The option appears on the Data download V5 and Data download V6 pages.

Accounts/Account

The Data Quality Center account to which the database unlock code or the license key applies. The option appears on the Data download V5 and Data download V6 pages.

Note that the option moves from the Database Information section to the Filter section on the Data download V6 page.

Note that the option appears as Accounts in the Database Information section on the Data download V5 page and as Account in the Filter section on the Data download V6 page.

Downloading a Reference Address Database

Use the Database Download Manager web page to download one reference address database at a time.

1. Verify or update the filter options.

2. Optionally, click **Apply Filter**.

The Database Download Manager web page returns a list of databases based on the criteria you specified.

3. Click the download link for the database that you want to download.

Downloading the Client Application

You can download the Database Download Manager client application from the Database Download Manager web page. You can download two versions of the client application. The client application that you choose depends on whether you will download data for the 5.x verification engine, for the 6.x verification engine, or for both engines.

You must install version 8 of the Java SE Runtime Environment on the machine on which you run the client application that contains 5.x data only. You must install version 11 of the Java SE Runtime Environment on the machine on which you run the client application that contains both 5.x and 6.x data. Configure the Java security settings to grant the client application the necessary permissions to download files.

The client application communicates over port 80 and 443. You must configure the necessary permissions to grant the client application access to these ports.

1. In the Database Download Manager web page, click the **Other Downloads** tab.

The **Other Downloads** page appears.

2. Click the **ADM Client (Version 5 data only)** or **ADM Client (Version 5 and 6)** link.
 - If you will download reference data for a version 5.x engine exclusively, click **ADM Client (Version 5 data only)**.
 - If you will download reference data for a version 6.x engine, or if you will download data for both version 5.x and version 6.x, click **ADM Client (Version 5 and 6)**.
3. The application downloads in a compressed file.

Click **Save** or **Save As** if prompted by your browser.

After you download, extract the contents of the zip file. The contents include a jar file that you use to run the client application. The jar file name is `Downloadtool.jar` in client applications that download 5.x reference data and `Downloadtool2.jar` in applications that can download reference data for versions 5.x and 6.x.

Note: You can also download the latest address verification software engine and the latest user documentation on the **Other Downloads** tab.

CHAPTER 3

Database Download Manager Client Application

This chapter includes the following topics:

- [Database Download Manager Client Application Overview, 22](#)
- [Starting the Client Application , 23](#)
- [Viewing the Client Application for Version 5.x Data Downloads, 24](#)
- [Viewing the Client Application for Version 6.x Data Downloads, 25](#)
- [Filter Options and Database Information , 25](#)
- [Downloading Reference Address Databases , 27](#)

Database Download Manager Client Application Overview

The Database Download Manager client application is a Java-based application that you can use to select and download multiple reference databases in a single operation. You can download the Database Download Manager client application from the Database Download Manager web page.

Informatica supports two versions of the client application. The application that you run depends on whether you must download data for the 5.x verification engine, for the 6.x verification engine, or for both engines. Select the application that suits your data requirements. The configurable options on the applications are very similar.

For information about downloading a client application, see [“Downloading the Client Application” on page 20](#).

By default, the Database Download Manager client application lists all of the reference databases that your Informatica Passport user profile is authorized to download. You can view the complete list of reference databases that Informatica provides, or you can filter the list of reference databases.

Starting the Client Application

Before you can use the Database Download Manager client application, you must download and extract the application from the Database Download Manager web page. The files that you extract include the executable file for the client.

1. Double-click the executable file to start the application.
 - If you installed the client for 5.x reference data, the executable file is `Downloadtool.jar`.
 - If you installed the client for 6.x reference data, the executable file is `Downloadtool2.jar`.

The Database Download Manager client login window appears.

2. Enter your Informatica Passport user name and password. If you want Database Download Manager to save your credentials, select **Remember me**.
3. Click **Login**.
4. Version 5.x applications: select your local or preferred Address Verification version, and click **Select and Set as Default**. The application will use the version as the default version for future sessions.

The Database Download Manager client application window appears.

If you run `Downloadtool.jar`, the client application displays a single set of options that you use for version 5.x reference data. If you run `Downloadtool2.jar`, the client application displays options for version 5.x and version 6.x.

5. Version 6.x applications: choose the verification engine for which you will download data.
 - To download data for the 5.x engine, select the **AV5** tab.
 - To download data for the 6.x engine, select the **AV6** tab.

Note: When you start the application, the Database Download Manager adds the following files to the directory to which you extracted the file:

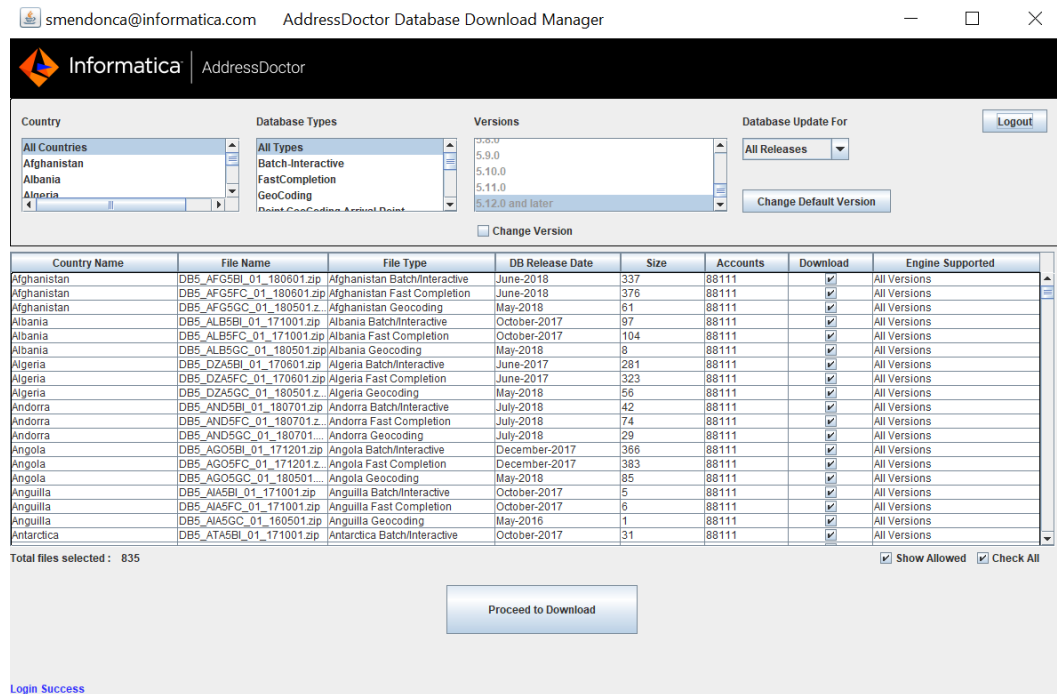
- `config.properties`
- `log.html`

When the Database Download Manager client is open, `log.html` remains locked for editing. The Database Download Manager client releases the log file when you close the application.

Viewing the Client Application for Version 5.x Data Downloads

The Database Download Manager client application for version 5.x displays a range of options that you can use to select and download reference databases and to perform other actions.

The following image shows the Database Download Manager client application for version 5.x data:



Note: You can download reference data for version 5.x from either version of the client application. The version 5.x download options are the same in each application.

You can clear **Show Allowed** to view all the reference address databases that are available for Informatica AddressDoctor.

You can clear **Check All** to deselect any databases that are marked for download.

Viewing the Client Application for Version 6.x Data Downloads

The Database Download Manager client application for version 6.x displays a range of options that you can use to select and download reference databases and to perform other actions.

The following image shows the Database Download Manager client application for version 6.x data:

You can clear **Show Allowed** to view all the reference address databases that are available for Informatica AddressDoctor.

You can clear **Check All** to deselect any databases that are marked for download. The option is cleared by default.

Filter Options and Database Information

The data download client application that you install lists the reference databases available for download and contains the filter options that you can apply to download the databases that you require.

Filter Options

Use the following options to filter the databases:

Country

The name of the country for which you want to view or download reference address databases. The option appears for the version 5.x and version 6.x downloads.

Database Types

The type of reference address database that you want to view or download. For example, Batch and Interactive or Fast Completion. Or, the type of version 6.x process for which you want to view or download data, for example Verify or Enrich. The option appears for the version 5.x and version 6.x downloads.

Database Sub-Types

The type of version 6.x reference address database that you want to view or download. For example, Batch and Interactive or Certified. The option appears for the version 6.x downloads.

Note: In version 5.x, you use the **Database Type** field to identify the type of reference data to download. In version 6.x, you use both the **Database Types** and **Database Sub-types** fields.

Database Update For

The earliest version of the reference databases that you want to view or download, based on the database release cycle. The option appears for the version 5.x and version 6.x downloads.

You can choose the following options:

- All Releases. Any update available for the databases that meet the specified criteria, regardless of the release date of the database file. This is the default option.
- Current Release. Any eligible file updated in the latest database release cycle.
- Last 2 Releases. Any eligible file updated in the last two database release cycles.
- Last 3 Releases. Any eligible file updated in the last three database release cycles.

Versions

The AddressDoctor engine version with which you will use the databases that you download. The Download Manager can filter out the databases that are not compatible with the version that you select. The option appears for the version 5.x and version 6.x downloads.

Note: For version 5.x downloads, the engine versions are disabled by default. Select **Change Version** to enable and select the engine versions for which you download the databases.

Database Information

The Database Download Manager client displays the following details about the reference databases:

Country Name

The country name. The option appears for the version 5.x and version 6.x downloads.

File Name

The database file name. The option appears for the version 5.x and version 6.x downloads.

File Type

The database type, such as Batch and Interactive or Certified. The option appears for the version 5.x and version 6.x downloads.

DB Release Date

The date on which the database was released. The option appears for the version 5.x and version 6.x downloads.

Size

Size of the database. The option appears for the version 5.x and version 6.x downloads.

Account/Accounts

The Data Quality Center account to which the database unlock code or the license key applies. The option appears for the version 5.x and version 6.x downloads.

Note that the option moves from the Database Information section to the Filter section for the version 6.x downloads.

Note that the option appears as Accounts in the Database Information section for the version 5.x downloads and as Account in the Filter section for the version 6.x downloads.

Download

Whether the database is included in the download operation that you propose. The option appears for the version 5.x and version 6.x downloads.

Engine Supported

The AddressDoctor engine version with which the database is compatible. The option appears for the version 5.x and version 6.x downloads.

Downloading Reference Address Databases

Use the Database Download Manager client application to download multiple reference address databases at a time.

1. In the client application, optionally specify one or more of the filter options.
To make multiple selections from the Country and Database Types lists, hold down the **Ctrl** or **Shift** key and select the values.
2. Select the **Download** option for each database that you want to download.
3. Click **Proceed to Download**.
The application displays the list of files that you selected for download and the download option.
4. Choose the following options:
 - To download only absent or newer versions of the databases in the download directory, select **Smart Download**. If you disable the **Smart Download** option, the Database Download Manager client downloads all of the databases that you specified.
 - To enable the Download Manager overwrite the files in the download directory, select **Overwrite Old Files**.
5. Enter the download location in the **File save path** field.
6. To download the files, click **Start Download**.
The progress bars in the download list shows the progress of the downloads as a percentage of the file size.
You can right-click an entry in the download list to pause or resume its download. To stop the download process, click **Stop**. To restart the download, click **Start Download**.

Rules and Guidelines for Downloading Reference Data

Consider the following rules and guidelines when you download the reference data:

- If you click the Back button when a download is in progress, the Database Download Manager client aborts the download process. If you exit the client application while a download is in progress, the Database Download client aborts the download process.

- You cannot select a database for download if you are not eligible to download the database. Use the Check All option to select all of the databases that you are eligible to download.

CHAPTER 4

Data Download on the Command Line

This chapter includes the following topics:

- [Data Download on the Command Line Overview , 29](#)
- [Download Options on the Command Line , 29](#)

Data Download on the Command Line Overview

You can use the command line to download reference databases for version 5.x releases of Address Verification. Download the reference databases on the command line of the machine on which you installed the Database Download Manager client application. The application runs in the background and enables you to download the databases.

You select the databases to download by setting one or more command-line options. If you do not set an option, the Download Manager uses the option value that the `config.properties` file specifies.

RELATED TOPICS:

- [“Configuration Properties File” on page 12](#)

Download Options on the Command Line

To download databases on the command line, run the `java -jar Downloadtool.jar` command.

You can use the following options with the `Downloadtool.jar` command:

-DownloadType or -dt

Specifies whether to download all the databases that your Informatica Passport user profile is authorized to download or only those databases that are listed in the `download.xml` file. The available options are `all` and `custom`. For example:

```
java -jar Downloadtool.jar -un:admuser@yourdomain.com -o:yes -dt:all
```

If you set the download type parameter to `all`, the Database Download Manager updates the download file to specify all of the databases that you are authorized to download and downloads all of the

databases. If you set the download type parameter to `custom`, the Database Download Manager downloads only the databases that are listed in the `download.xml` file.

-Engine or -eg

Specifies the on-premises AddressDoctor version for which you want to download the databases. For example:

```
java -jar Downloadtool.jar -un:admuser@yourdomain.com -o:yes -dt:all -eg:5.13.0
```

If you set the option, the Database Download Manager downloads only those databases that are compatible with the engine version that you specify.

-Help, -h, or -?

Displays command-line help. For example:

```
java -jar Downloadtool.jar -h
```

-NoGui or -ng

Downloads database files according to the details that the configuration properties file specifies. When you use the `-NoGui` option, enter a password if the configuration properties file does not include a token value. Otherwise, do not set any option on the command line.

Note: The configuration properties file includes values that you can otherwise set on the command line. For example, the configuration properties file includes a `DownloadType` option that you can use to download all available databases or to download the databases that the `download.xml` file specifies. Before you use the `-NoGui` option, verify the properties in the configuration properties file.

If the download file is not present in the directory to which you installed the Database Download Manager client application, the Download Manager generates the download file with information about all the databases that your user profile is authorized to download and starts to download the databases.

The Download Manager returns an error message and terminates the session in the following instances:

- The configuration properties file is not present in the directory to which the Database Download Manager client application is installed.
- The configuration properties file is present in the directory but it does not contain a token, and you do not include user credentials on the command line.

-OverWrite or -o

Indicates whether to overwrite any database file in the download directory with a file of the same name. The available options are `yes` and `no`. The default is `no`. For example:

```
java -jar Downloadtool.jar -un:admuser@yourdomain.com -o:yes
```

If you set the overwrite parameter to `yes`, the Database Download Manager overwrites any file with the same name.

-PassWord or -pd

Specifies the password for your Informatica Passport user name. For example:

```
java -jar Downloadtool.jar -un:admuser@yourdomain.com -pd:Pwd#1234
```

Enter a user name and a password if the `config.properties` file does not contain a token.

To protect the integrity of your password, you can omit the password parameter from the command and enter the password at the password prompt. The password that you enter for the `-PassWord` parameter appears on the screen as plaintext, whereas the password you enter at the password prompt is hidden.

-ReleaseDate or -rd

Filters the available reference database files by age.

You can use one of the following values:

- all. Download databases regardless of age.
- current. Download the current version of the databases.
- last2. Download any database that Informatica updated in the last two months.
- last3. Download any database that Informatica updated in the last three months.

-Remember or -rm

Specifies whether to save the current command-line options to the `config.properties` file. The available options are `yes` and `no`. Default is `yes`. For example:

```
java -jar Downloadtool.jar -un:admuser@yourdomain.com -s:yes -dt:all-rm:yes
```

If you set the `-Remember` parameter to `no`, the options that you specify for the current download are discarded when you end the current session.

-Smart or -s

Specifies whether to enable smart download. The available options are `yes` and `no`. Default is `yes`. For example:

```
java -jar Downloadtool.jar -un:admuser@yourdomain.com -s:yes -dt:all
```

When smart download is set to `yes`, the Database Download Manager checks the `downloadhistory.xml` file to identify the files that you last downloaded and only downloads any newer or absent version of each file. When smart download is set to `no`, the Database Download Manager downloads all the database files that the `FileType` and `Country` properties define.

-Token or -tk

Specifies a token that you can use in place of a user name and password when you run the command. When you log in with a username and password, Database Download Manager saves the token to the `config.properties` file. The token is valid for one year.

To create a token, enter the following command:

```
java -jar Downloadtool.jar un:admuser@yourdomain.com -pd:****
```

The following sample code shows a token in the system response to the command:

```
#Tue Nov 21 17:27:09 CET 2017
DownloadDirectory=C:\Downloadtool\Downloads
ReleaseDate=all
token=adb871e4fe734a53a9f35364res45z4
DownloadType=ALL
OverWrite=no
UserName=admuser@yourdomain.com
EngineVersion=5.12.0
Smart=yes
FileType=ALL
Country=ALL;
```

The system response replicates the parameters in the `config.prooerties` file.

You can use the token in subsequent logins. For example:

```
java -jar Downloadtool.jar -tk:adb871e4fe734a53a9f35364res45z4
```

-UserName or -un

Specifies the Informatica Passport user name. For example, enter the following command:

```
java -jar Downloadtool.jar -un:admuser@yourdomain.com
```

Enter a user name and an Informatica Passport password if the `config.properties` file does not contain a token. If you do not enter a password, the Database Download Manager prompts you to enter a valid password for the user name.

Note: The Database Download Manager applies an AND relationship to the command line options and downloads the files that meet all of the criteria that you specify. For example, if you run a command that sets `-OverWrite` to `no` and `-DownloadType` to `all`, the Database Download Manager downloads absent files only and does not overwrite any file that it finds in the download directory.

APPENDIX A

Data Download Examples

This appendix includes the following topics:

- [Data Download Examples Overview , 33](#)
- [Downloading Your Files For The First Time, 33](#)
- [Downloading the Latest Files, 34](#)

Data Download Examples Overview

You can download multiple database files in a single operation through the Database Download Manager client application and on the command line.

This appendix describes the steps that you can follow to quickly perform common download tasks.

Note: The steps use the default settings in the `config.properties` file unless they indicate otherwise.

Downloading Your Files For The First Time

To download all of your files for the first time, you do not need to update any options. The default options specify all eligible database files of all types from all countries.

Client Application Instructions

1. Start the Database Download Manager client application.
2. In the Database Download Manager client application window, select **Check All**.
3. Click **Proceed to Download**.
The Database Download Manager client application download list appears.
4. Click **Start Download**.

Command Line Instructions

Open the command prompt in the directory to which you extracted the `Downloadtool.jar` file.

If the `config.properties` file contains a valid token, enter the following command:

```
java -jar Downloadtool.jar -nogui
```

If the `config.properties` file does not contain a valid token, enter the following command and include a user name and password:

```
java -jar Downloadtool.jar -nogui -un:username@informatica.com -pd:****
```

The Database Download Manager downloads all the database files that you are authorized to download.

Downloading the Latest Files

If you previously downloaded databases, and if you want to download only the databases that Informatica updated since your last download, use the Overwrite Old Files and Smart Download options.

Client Application Instructions

1. Start the Database Download Manager client application.
2. In the Database Download Manager client application window, select **Check All**.
3. Click **Proceed to Download**.
The Database Download Manager client application download list appears.
4. Select the **Overwrite Old Files** option and the **Smart Download** option.
5. Click **Start Download**.

Command Line Instructions

Open the command prompt in the directory to which you extracted the `Downloadtool.jar` file.

If the `config.properties` file contains a valid token, enter the following command:

```
java -jar Downloadtool.jar -o:yes -s:yes
```

If the `config.properties` file does not contain a valid token, enter the following command and include a user name and password:

```
java -jar Downloadtool.jar -un:admuser@yourdomain.com -pd:***** -o:yes -s:yes
```

The Database Download Manager downloads the newer versions of the files.

Note: The smart download option also downloads any eligible file that you did not download previously.