

## Deploying DataFlux<sup>®</sup> 2.3 Products

### What is in your order

Starting in July of 2012, SAS provided new offerings for the Data Management Software. Here are those new software offerings and what is included in them. You should compare your SAS Software Order E-mail against what you see in this list to help identify the offering that was licensed.

#### SAS Data Quality Desktop

##### Site 1

- SAS Data Quality Desktop
- DataFlux Data Management Studio Platform
- DataFlux Data Management Contextual Extraction Language Pack for <locale>
- DataFlux Data Management Quality Knowledge Base Local, <locale>

#### SAS Data Governance

##### Site 1

- SAS Data Governance Client
- DataFlux Data Management Studio Platform
- DataFlux Data Management Quality Knowledge Base Local, <locale>

##### Site 2

- SAS Data Governance
- DataFlux Enterprise Data Management Server Platform
- DataFlux Data Management Quality Knowledge Base Local, <locale>

##### Site 3

- DataFlux Authentication Server

##### Site 4

- DataFlux Web Studio Server
- DataFlux Reference Data Manager
- DataFlux Business Data Network

##### Site 5

- Base SAS
- SAS Data Quality Server
- Quality Knowledge Base Locale, <locale>

## **SAS Data Quality Standard**

### Site 1

SAS Data Quality Desktop  
DataFlux Data Management Studio Platform  
DataFlux Data Management Contextual Extraction Language Pack for <locale>  
DataFlux Data Management Quality Knowledge Base Local, <locale>

### Site 2

SAS Data Quality Standard  
DataFlux Enterprise Data Management Server Platform  
DataFlux Data Management Quality Knowledge Base Local, <locale>  
DataFlux Data Management Contextual Extraction Language Pack for <locale>

### Site 3

DataFlux Authentication Server

### Site 4

Base SAS  
SAS Data Quality Server  
Quality Knowledge Base Locale, <locale>

## **SAS Data Quality Advanced**

### Site 1

SAS Data Quality Desktop  
DataFlux Data Management Studio Platform  
DataFlux Data Management Contextual Extraction Language Pack for <locale>  
DataFlux Data Management Quality Knowledge Base Local, <locale>

### Site 2

SAS Data Quality Advanced  
DataFlux Enterprise Data Management Server Platform  
DataFlux Data Management Quality Knowledge Base Local, <locale>  
DataFlux Data Management Contextual Extraction Language Pack for <locale>

### Site 3

DataFlux Authentication Server

### Site 4

DataFlux Web Studio Server  
DataFlux Reference Data Manager  
DataFlux Business Data Network

### Site 5

Base SAS  
SAS Data Quality Server  
Quality Knowledge Base Locale, <locale>

## **SAS Data Management Standard**

### Site 1

- Base SAS
- Platform Suite for SAS
- Quality Knowledge Base Locale, <locale>
- SAS Data Integration Server
- SAS Data Quality Server
- SAS Enterprise Guide
- SAS Metadata Server
- SAS/ACCESS Interface to <data source>
- SAS/ACCESS Interface to <data source>

### Site 2

- SAS Data Quality Desktop
- DataFlux Data Management Studio Platform
- DataFlux Data Management Contextual Extraction Language Pack for <locale>
- DataFlux Data Management Quality Knowledge Base Local, <locale>

### Site 3

- SAS Data Quality Standard
- DataFlux Enterprise Data Management Server Platform
- DataFlux Data Management Quality Knowledge Base Local, <locale>
- DataFlux Data Management Contextual Extraction Language Pack for <locale>

### Site 4

- DataFlux Authentication Server

## **SAS Data Management Advanced**

### Site 1

- Base SAS
- Platform Suite for SAS
- Quality Knowledge Base Locale, <locale>
- SAS Data Integration Server
- SAS Data Quality Server
- SAS Enterprise Guide
- SAS Metadata Server
- SAS/ACCESS Interface to <data source>
- SAS/ACCESS Interface to <data source>

### Site 2

- SAS Data Quality Desktop
- DataFlux Data Management Studio Platform
- DataFlux Data Management Contextual Extraction Language Pack for <locale>
- DataFlux Data Management Quality Knowledge Base Local, <locale>

Site 3

SAS Data Quality Advanced  
DataFlux Enterprise Data Management Server Platform  
DataFlux Data Management Quality Knowledge Base Local, <locale>  
DataFlux Data Management Contextual Extraction Language Pack for <locale>

Site 4

DataFlux Authentication Server

Site 5

DataFlux Web Studio Server  
DataFlux Reference Data Manager  
DataFlux Business Data Network

**SAS Master Data Management Standard**

Site 1

DataFlux qMDM Administrator  
DataFlux Data Management Studio Platform  
DataFlux Data Management Contextual Extraction Language Pack for <locale>  
DataFlux Data Management Quality Knowledge Base Local, <locale>

Site 2

DataFlux qMDM Studio  
DataFlux Data Management Studio Platform  
DataFlux Data Management Contextual Extraction Language Pack for <locale>  
DataFlux Data Management Quality Knowledge Base Local, <locale>

Site 3

SAS MDM Standard  
SAS Data Quality Standard  
DataFlux Enterprise Data Management Server Platform  
DataFlux Data Management Quality Knowledge Base Local, <locale>  
DataFlux Data Management Contextual Extraction Language Pack for <locale>

Site 4

DataFlux Authentication Server

Site 5

Base SAS  
SAS Data Quality Server  
Quality Knowledge Base Locale, <locale>

## SAS Master Data Management Advanced

### Site 1

- DataFlux qMDM Administrator
- DataFlux Data Management Studio Platform
- DataFlux Data Management Contextual Extraction Language Pack for <locale>
- DataFlux Data Management Quality Knowledge Base Local, <locale>

### Site 2

- DataFlux qMDM Studio
- DataFlux Data Management Studio Platform
- DataFlux Data Management Contextual Extraction Language Pack for <locale>
- DataFlux Data Management Quality Knowledge Base Local, <locale>

### Site 3

- SAS MDM Advanced
- SAS Data Quality Advanced
- DataFlux Enterprise Data Management Server Platform
- DataFlux Data Management Quality Knowledge Base Local, <locale>
- DataFlux Data Management Contextual Extraction Language Pack for <locale>

### Site 4

- DataFlux Authentication Server

### Site 5

- DataFlux Web Studio Server
- DataFlux Reference Data Manager
- DataFlux Business Data Network

### Site 6

- Base SAS
- SAS Data Quality Server
- Quality Knowledge Base Locale, <locale>

Depending on your order, the following could be seen as a separate site:

- DataFlux Standard Federation Server
- DataFlux Driver for <data source>

## Installation Order

SAS maintains a concept of tiers that make up an order. These tiers are Server Tier, Middle Tier and Client Tier. For the Data Management products we will identify the products that can be installed on each tier. It is up to the individual user to make sure the appropriate product is installed on the correct tier.

All products for a tier can be installed in any order. However, if you install Web Studio Server, it is easier if you install the Authentication Server before the Web Studio Server.

In the SAS Deployment Wizard, products are listed in alphabetic order and therefore do not match what you see in the SAS Software Order E-mail. Please use the following list to identify what needs to be installed on a given tier.

**Note:** *If you have ordered the software offerings, Data Management Standard or Advanced, it is recommended to use the plan files that come with the offering to install the software in Site 1, as listed in this document for those offerings. After that software is installed, then come back and install the following software.*

#### **Server Tier**

- DataFlux Authentication Server
- DataFlux Data Management Server
- SAS Data Quality Server
- DataFlux Web Studio Server (if included in order)
- DataFlux Federation Server (if included in order)
- DataFlux Federation Server Client (if included in order)

#### **Middle Tier**

- DataFlux Web Studio Mid-Tier (if included in order)
- DataFlux Federation and Authentication Server Web Manager (if included in order)

#### **Client Tier**

- DataFlux Data Management Studio
- SAS Data Integration Studio (if included in order)
- DataFlux qMDM (if included in order)
- DataFlux Federation Server Client (if included in order)

## **QKBs and DataPacks**

The Quality Knowledge Bases (QKBs) and DataPacks (address data and geocode data) are not in the SAS Software Depot, and thus are not installed as part of the SAS Deployment Wizard process. Go to **MyDataFlux Portal** to download and install the QKBs and DataPacks, as well as access the online documentation. Complete this deployment before moving on to Configuration.

QKB: <http://www.dataflux.com/qkb>

DataPacks: <http://www.dataflux.com/Resources/DataFlux-Resources/MyDataFlux-Portal/Downloads/Data-Updates.aspx>

Use the Release Notes for your QKBs in order to verify that they are compatible with this version of SAS software.

## Configuration Order

This Readme document has described the installation process through the SAS Deployment Wizard. See the **Configuration**, **Administration**, and **Security** topics in the following product guides for post-installation information to complete your deployment. Configure the products in the order listed below.

### Server Tier

DataFlux Authentication Server ([DataFlux Authentication Server 3.1: Administration Guide](#))

DataFlux Data Management Server ([DataFlux Data Management Server 2.3: Administrator's Guide](#))

SAS Data Quality Server ([SAS 9.3 Data Quality Server Reference](#))

DataFlux Web Studio Server ([DataFlux Web Studio 2.3: Installation and Configuration Guide](#))

DataFlux Federation Server ([DataFlux Federation Server 3.1 Administration Guide](#))

### Middle Tier

DataFlux Web Studio Mid-Tier ([DataFlux Web Studio 2.3: Installation and Configuration Guide](#))

DataFlux Federation and Authentication Server Web Manager ([DataFlux Federation Server 3.1 Administration Guide](#))

### Client Tier

DataFlux Data Management Studio ([DataFlux Data Management Studio 2.3: Installation and Configuration Guide](#))

## Licensing DataFlux Products

DataFlux licenses are SAS installation data files (SID files) that contain the prefix "DMP" and are found in the `sid_files` directory of the SAS Software Depot or media. Copy the SID file(s) to a permanent location that can be accessed from the program installation location.

On Microsoft Windows, there are separate license files for DataFlux clients and servers. The client SID file contains the suffix "Win\_Wrkstn", and the server SID file contains the suffix "Win\_Server". Note that all of the servers will have the "Win\_Server" suffix, and the only way to identify which license to apply is by opening the SID itself to determine which products that SID file unlocks. Each server will have its own SID file.

On UNIX, each SID file has a "UNIX" suffix, and the only way to identify which license to apply is by opening the SID itself to determine which products that SID file unlocks. Each server will have its own SID file.

### *Licensing on Windows*

During the installation of DataFlux applications, you may be prompted to specify the location of the license file. The license location should be the fully qualified location and filename of the SAS installation data file described above.

If the location of the license file has been moved after the initial installation, or if you acquired a new license file, follow the instructions below to apply the license.

### **DataFlux Data Management Studio**

Open Windows Explorer and navigate to the `etc` directory of the root install location, which is commonly located at `C:\Program Files\SASHome\SASDataFluxDataManagementStudio`. Edit `app.cfg` and set the "base/primary\_license\_loc" to the fully qualified location and filename of the SAS installation data file established in the first paragraph.

### **DataFlux Data Management Server**

Open Windows Explorer and navigate to the `etc` directory of the root install location, which is commonly located at `C:\Program Files\SASHome\SASDataFluxDataManagementServer`. Edit `app.cfg` and set the "base/primary\_license\_loc" to the fully qualified location and filename of the SAS installation data file established in the first paragraph.

### **DataFlux Web Studio Server**

Open Windows Explorer and navigate to the `etc` directory of the root install location, which is commonly located at `C:\Program Files\SASHome\SASDataFluxWebStudioServer`. Edit `app.cfg` and set the "base/primary\_license\_loc" to the fully qualified location and filename of the SAS installation data file established in the first paragraph.

### **DataFlux Federation Server**

Open Windows Explorer and navigate to the `etc` directory of the root install location, which is commonly located at `C:\Program Files\SASHome\SASDataFluxFederationServer`. Edit `dfs_serv.xml` and go to the `<OptionSet name="License">` section. For the "Primary" license, set the `<Option name="Location">` value to the fully qualified location and filename of the SAS installation data file established in the first paragraph.

### **DataFlux Authentication Server**

Open Windows Explorer and navigate to the "etc" directory of the root install location, which is commonly located at `C:\Program Files\SASHome\SASDataFluxAuthenticationServer`. Edit `as_serv_aspsql.xml` and go to the `<OptionSet name="License">` section. For the "Primary" license, set the `<Option name="Location">` value to the fully qualified location and filename of the SAS installation data file established in the first paragraph.

## ***Licensing on UNIX***

During the installation of DataFlux applications, you may be prompted to specify the location of the license file. The license location should be the fully qualified location and filename of the SAS installation data file described above.

If the location of the license file has been moved after initial installation, or if you acquired a new license file, follow the instructions below to apply the license.

### **DataFlux Data Management Server**

Navigate to the `etc` directory of the root install location for the server, which is commonly located at `SASHome/SASDataFluxDataManagementServer`. Edit `app.cfg` and set the "base/primary\_license\_loc" to the fully qualified location and filename of the SAS installation data file established in the first paragraph.



### DataFlux Web Studio Server

Navigate to the `etc` directory of the root install location for the server, which is commonly located at `SASHome/SASDataFluxWebStudioServer`. Edit `app.cfg` and set the `"base/primary_license_loc"` to the fully qualified location and filename of the SAS installation data file established in the first paragraph.

### DataFlux Federation Server

Navigate to the `etc` directory of the root install location for the server, which is commonly located at `SASHome/SASDataFluxFederationServer`. Edit `dfs_serv.xml` and go to the `<OptionSet name="License">` section. For the "Primary" license, set the `<Option name="Location">` value to the fully qualified location and filename of the SAS installation data file established in the first paragraph.

In the same directory edit the `dfs_log_SQL_Logging.xml` and change the `<param name="primaryLicenseLoc" value="" />` section so that `"value"` points to the filename of the SAS installation data file established in the first paragraph.

### DataFlux Authentication Server

Navigate to the `etc` directory of the root install location for the server, which is commonly located at `SASHome/SASDataFluxAuthenticationServer`. Edit `as_serv_aspsql.xml` and go to the `<OptionSet name="License">` section. For the "Primary" license, set the `<Option name="Location">` value to the fully qualified location and filename of the SAS installation data file established in the first paragraph.

The release notes for the DataFlux applications can be found at the root install directory of the product.

## Migrating DataFlux Products

For information about migrating to Data Management Platform, please refer to the *DataFlux Migration Guide*, located at <http://support.sas.com/documentation/onlinedoc/dfdmstudio/2.3/DMStudioMigrationGuide.pdf>

There is specific information in the administration guides for migrating the Authentication Server and Federation Server from 2.x to 3.1.

- [DataFlux Authentication Server 3.1: Administration Guide](#)
- [DataFlux Federation Server 3.1 Administration Guide](#)

## Other DataFlux Product Documentation

Administration documentation for each DataFlux server is installed with that server. In addition, further documentation about the servers and documentation for other Data Management Platform products are included at these locations:

- For the most current version, see the deployment and administration guides on the SAS Documentation site under each DataFlux product name:  
<http://support.sas.com/documentation/productaz/index.html#d>

- For other server and DataFlux Data Management Platform documentation, see the installation information for DataFlux Data Management Studio in the /doc directory.
- For system requirements, see the SAS Install Center under each DataFlux product name: <http://support.sas.com/documentation/installcenter/93/>

## DataFlux Secure

If you ordered any of the DataFlux Secure software components, they will be in your order's SAS Software Depot. However, this software was not deployed by default using the SAS Deployment Wizard and will require manual installation. The installation procedure for each product is provided below. Make sure to apply DataFlux Secure for each item in that is in your order.

### **DataFlux Secure for DataFlux Data Management Studio**

#### Windows

To install DataFlux Secure for DataFlux Data Management Studio, go to the following location in your SAS Software Depot:

Windows 32 bit: `products\dmstusecure__93110__win__xx__sp0__1`

In that directory, double-click **dmp23-studio-secure-win32.exe**. Once launched, make sure that the target directory reflects where DataFlux Data Management Studio is installed under your SAS Home.

If Data Management Studio Secure is installed and OpenSSL for Windows is not, then Data Management Studio will crash on startup. Please make sure to install OpenSSL for Windows.

<http://slproweb.com/products/Win32OpenSSL.html>

Data Management Studio will need the win32 version of OpenSSL installed. Please make sure to install the OpenSSL libraries to the system directory. If they are installed into a different directory, make sure to update the PATH environment variable to include the location where they are installed.

### **DataFlux Secure for DataFlux Data Management Server**

#### Windows

To install DataFlux Secure for DataFlux Data Management Server on Windows hosts, go to the following location in your SAS Software Depot:

Windows 32 bit: `products\dmsvrsecure__93110__win__xx__sp0__1`

Windows 64 bit: `products\dmsvrsecure__93110__wx6__xx__sp0__1`

In either directory, double-click **dmp23-studio-server-win\*\*.exe**. Once launched, make sure that the target directory reflects where DataFlux Data Management Server is installed under your SAS Home.

## UNIX

To install DataFlux Secure for DataFlux Data Management Server on UNIX hosts, go to the following location in your SAS Software Depot:

HPUX Itanium 64: `products/dmsvrsecure__93110__h6i__xx__sp0__1`  
HP 64: `products/dmsvrsecure__93110__h64__xx__sp0__1`  
Linux 64: `products/dmsvrsecure__93110__lax__xx__sp0__1`  
Linux 32: `products/dmsvrsecure__93110__lnx__xx__sp0__1`  
AIX 64: `products/dmsvrsecure__93110__r64__xx__sp0__1`  
Solaris SPARC: `products/dmsvrsecure__93110__s64__xx__sp0__1`  
Solaris x64: `products/dmsvrsecure__93110__sax__xx__sp0__1`

Read the `README . SECURE` and follow its instructions.

## ***DataFlux Secure for DataFlux Authentication Server***

### Windows

To install DataFlux Secure for DataFlux Authentication Server on Windows hosts, go to the following location in your SAS Software Depot:

Windows 32 bit: `products\dfauthsecure__93110__win__xx__sp0__1`  
Windows 64 bit: `products\dfauthsecure__93110__wx6__xx__sp0__1`

In either directory, double-click **dmp23-auth-secure-win\*\*.exe**. Once launched, make sure that the target directory reflects where DataFlux Authentication Server is installed under your SAS Home.

## UNIX

To install DataFlux Secure for DataFlux Authentication Server on UNIX hosts, go to the following location in your SAS Software Depot:

HPUX Itanium 64: `products/dfauthsecure__93110__h6i__xx__sp0__1`  
Linux 64: `products/dfauthsecure__93110__lax__xx__sp0__1`  
AIX 64: `products/dfauthsecure__93110__r64__xx__sp0__1`  
Solaris SPARC: `products/dfauthsecure__93110__s64__xx__sp0__1`  
Solaris x64: `products/dfauthsecure__93110__sax__xx__sp0__1`

Read the `README . SECURE` and follow its instructions.

## **DataFlux Secure for DataFlux Federation Server**

### **Windows**

To install DataFlux Secure for DataFlux Federation Server on Windows hosts, go to the following location in your SAS Software Depot:

Windows 32 bit: `products\dffedsecure__93110__win__xx__sp0__1`

Windows 64 bit: `products\dffedsecure__93110__wx6__xx__sp0__1`

In either directory, double-click **dmp23-fed-secure-win\*\*.exe**. Once launched, make sure that the target directory reflects where DataFlux Federation Server is installed under your SAS Home.

### **UNIX**

To install DataFlux Secure for DataFlux Federation Server on UNIX hosts, go to the following location in your SAS Software Depot:

HPUX Itanium 64: `products/dffedsecure__93110__h6i__xx__sp0__1`

Linux 64: `products/dffedsecure__93110__lax__xx__sp0__1`

AIX 64: `products/dffedsecure__93110__r64__xx__sp0__1`

Solaris SPARC: `products/dffedsecure__93110__s64__xx__sp0__1`

Solaris x64: `products/dffedsecure__93110__sax__xx__sp0__1`

Read the `README.SECURE` and follow its instructions.

## **DataFlux Secure for DataFlux Federation Server Client**

### **Windows**

To install DataFlux Secure for DataFlux Federation Server Client on Windows hosts, go to the following location in your SAS Software Depot:

Windows 32 bit: `products\dffedcsecure__93110__win__xx__sp0__1`

Windows 64 bit: `products\dffedcsecure__93110__wx6__xx__sp0__1`

In either directory, double-click **dmp23-fedcli-secure-win\*\*.exe**. Once launched, make sure that the target directory reflects where DataFlux Federation Server Client is installed under your SAS Home.

### **UNIX**

To install DataFlux Secure for DataFlux Federation Server Client on UNIX hosts, go to the following location in your SAS Software Depot:

HPUX Itanium 64: `products/dffedcsecure__93110__h6i__xx__sp0__1`

Linux 64: `products/dffedcsecure__93110__lax__xx__sp0__1`

AIX 64: `products/dffedcsecure__93110__r64__xx__sp0__1`

Solaris SPARC: products/dffedcsecure\_\_93110\_\_s64\_\_xx\_\_sp0\_\_1

Solaris x64: products/dffedcsecure\_\_93110\_\_sax\_\_xx\_\_sp0\_\_1

Read the README . SECURE and follow its instructions.

## **DataFlux Secure for DataFlux Federation Server Manager**

This software is not in your order's SAS Software Depot. Please contact SAS Technical Support to get this package.

## **DataFlux Secure for DataFlux Web Studio**

This software is not in your order's SAS Software Depot. Please contact SAS Technical Support to get this package. DataFlux Secure for DataFlux Web Studio Server

### **Windows**

To install DataFlux Secure for DataFlux Web Studio Server on Windows hosts, go to the following location in your SAS Software Depot:

Windows 32 bit: products\dmwebsecure\_\_93110\_\_win\_\_xx\_\_sp0\_\_1

Windows 64 bit: products\dmwebsecure\_\_93110\_\_wx6\_\_xx\_\_sp0\_\_1

In either directory, double-click **dmp23-websvr-secure-win\*\*.exe**. Once launched, make sure that the target directory reflects where DataFlux Web Studio Server is installed under your SAS Home.

### **UNIX**

To install DataFlux Secure for DataFlux Web Studio Server on UNIX hosts, go to the following location in your SAS Software Depot:

HPUX Itanium 64: products/dmwebsecure\_\_93110\_\_h6i\_\_xx\_\_sp0\_\_1

Linux 64: products/dmwebsecure\_\_93110\_\_lax\_\_xx\_\_sp0\_\_1

AIX 64: products/dmwebsecure\_\_93110\_\_r64\_\_xx\_\_sp0\_\_1

Solaris SPARC: products/dmwebsecure\_\_93110\_\_s64\_\_xx\_\_sp0\_\_1

Solaris x64: products/dmwebsecure\_\_93110\_\_sax\_\_xx\_\_sp0\_\_1

Read the README . SECURE and follow its instructions.

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