

Ship/FX[®] Installation Guide

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Ship/FX® Installation

1.1 eFORMz Product Installation

Download the latest release of eFORMz provided by Minisoft, you must be running version 11.03.13 or later. The eFORMz product installation is a requirement for the Ship/FX configuration and set up. You will also need an activeFORMz license.

1.2 Ship/FX Product Installation

Download the latest install extension of Ship/FX provided by Minisoft:

ShipFX_InstallAnExtension.zip

Windows

To install Ship/FX on Windows with an instance of eFORMz already installed:

1. Start the eFORMz Composer and select *Host Tools > Install an extension*.
2. Select the install extension *ShipFX_InstallAnExtension.zip*.
3. Install to: *minisoft\eFORM_6*
4. Installation should be successful.

Non-Windows

To install Ship/FX on Unix or iSeries with an instance of eFORMz already installed:

1. Start the eFORMz Composer and Select:
Host Tools > AS400 > Install an extension...
Host Tools > Unix > Install an extension...
2. Install to: *minisoft*
3. Installation should be successful.

Upgrades

1. Shutdown All the services:

- Glassfish
- ShipFX Connect
- eFORMz Service Manager

2. From the eFORMz install directory, rename the following directories for an upgrade:

PackingStation/ (war file will get overwritten on install)
projects/eSHIP
projects/SHIPFX
projects/SHIPFXServer

3. Start the eFORMz Composer and install the InstallAnExtension:

Windows:

select Host Tools > Install an extension...
Select the ShipFX_InstallAnExtension_PackStation.zip
Install to: \minisoft\efORMZ_6
Installation should be successful.

Non-Windows:

select Host Tools > AS400 or Unix > Install an extension...
Select the ShipFX_InstallAnExtension_PackStation.zip
Install to: /minisoft
Installation should be successful.

4. Redeploy /PackingStation/SHIPFX.war file (See Glassfish instructions on undeployed and deploy cmd files.
5. If using a Profiles xml, confirm your profiles now contains the following:

```
<Constant Name="eSHIP_Accounts">
  <![CDATA[000001]]>
</Constant>
<KeyedConstant Name="eSHIP_AccountName">
  <Entry Key="000001">
    <![CDATA[Cosabella]]>
  </Entry>
</KeyedConstant>
```

1.3 Provider Sandbox and Production Accounts

[Required for eSHIP (black box) or Ship/FX Server PackStation and/or Ship/FX Admin]

Each client will need their own provider accounts (UPS, FedEx, DHL, etc.) created and setup by a client admin. For on-boarding web services with your provider, please reach out to your provider account representative for instructions.

If you currently have provider accounts, confirm web services (API's) are enabled and request that your NEGOTIATED RATES be used thru the API rather than published rates.

1.4 Setup Web Service API Links through eFORMz SSLConfigure

Note: The server running Ship/FX will need internet connection for web services. Confirm your firewall will allow HTTPS connectivity. Ship/FX uses HTTPS TLS 1.2 when communicating with provider API's.

To configure web service API links, follow the instructions outlined in the below link:

[Minisoft Wiki post]

<https://minisoft.com/support/index.php/api-ssl-configuration-for-ship-fx/>

1.5 Enable Ship/FX API Sandbox or Production Configuration

When Ship/FX is installed, the eFORMzCfg_ShipFX.xml configuration file is placed into the Minisoft */settings* folder:

Windows:

minisoft\eFORMz_6\settings\eFORMzCfg_ShipFX.xml

Non-Windows:

minisoft/settings/eFORMzCfg_ShipFX.xml

By default, Ship/FX will be configured for sandbox mode when installed.

Note: Only one active configuration should be activated. Utilize the `<!-- -->` to deactivate either sandbox or production:

```
<File Name="projects/eSHIP/eFORMzCfg_Sandbox.xml"> </File>  
<!--File Name="projects/eSHIP/eFORMzCfg_Production.xml"> </File-->
```

Files like eFORMzCfg*.xml are automatically loaded if they are in the "settings" folder. Everything is case sensitive. The order they are loaded is alphabetic (eFORMzCfgA.xml is loaded before eFORMzCfgB.xml)

1.6 HTTP Web Server

[Required for Ship/FX Admin]

Modify the Web Server settings to use the root directory where eFORMz is installed.

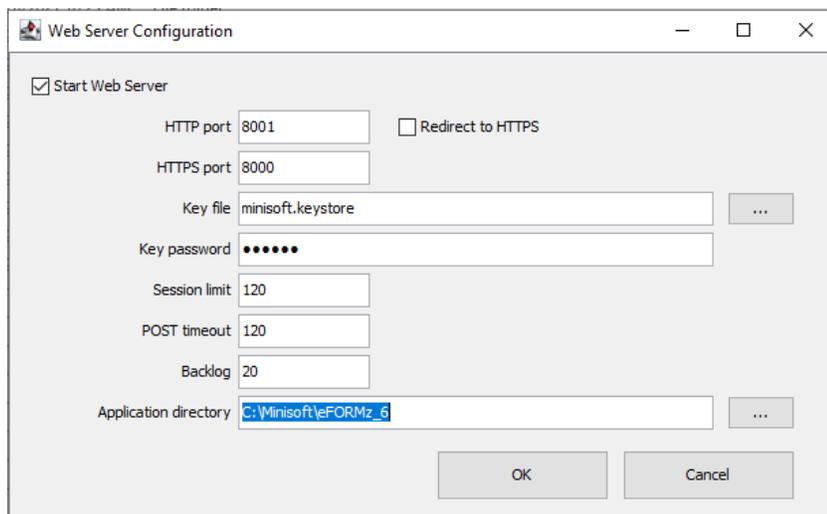
Windows:

minisoft\eFORMz_6\WebServerSettings.xml

Non-Windows:

minisoft/WebServerSettings.xml

Change:	<code><Setting Value="." Name="HTTP_DEFAULT_DIRECTORY" /></code>
To:	<code><Setting Value="C:\Minisoft\eFORMz_6" Name="HTTP_DEFAULT_DIRECTORY" /></code>



Ship/FX® Configuration

[Base installation of eFORMz and Ship/FX required to complete the following steps for configuration.]

2.1 Configure Ship/FX User Profiles

Based on your clients' needs and your required setup you will be picking between the type of profile you will be configuring:

XML based profiles setup or
Database profiles setup

Once you have decided on database or XML-based user profiles configuration, remove the .release extension from the XML file in the /settings folder to enable a Ship/FX user profile.

The profiles will contain your account, provider, and service details for the client you are configuring. You will define the profiles based on the clients' needs for providers and services. By default, the Ship/FX install comes with the following samples:

eFORMzCfg_User_Profiles_Minisoft_XMLSettings.xml or
eFORMzCfg_User_Profiles_Minisoft_DBSettings.xml

Note: Newest version of the settings file will be installed with the extension .release. Your existing file will not be overwritten.

*You will be choosing only one profiles settings type:

Setup Options	_XMLSettings.xml	_DBSettings.xml
eSHIP - 'Black Box' eSHIP only - FILE_SYSTEM Repository - XML Profiles Configuration	X	
eSHIP - 'Black Box' eSHIP only - FILE_SYSTEM Repository - DATABASE Profiles Configuration		X

Ship/FX Server - eSHIP - DATABASE Repository - DATABASE Profiles Configuration		X
ShipFX Server - Ship/FX Pack Station - Ship/FX Admin - DATABASE Repository - DATABASE Profiles Settings		X

Option 1: XML User Profile Configuration

Ship/FX comes with a default user profiles with access to the Minisoft’s Sandbox Providers (UPS, FedEx, OnTrac, Pitney Bowes, etc.).

Windows:

minisoft\efORMz_6\settings\efORMzCfg_User_Profiles_Minisoft_XMLSettings.xml

Non-Windows:

minisoft/settings/efORMzCfg_User_Profiles_Minisoft_XMLSettings.xml

Note: A database is not needed for this setup.

Option 2: Database User Profile Configuration

Windows:

minisoft\efORMz_6\settings\efORMzCfg_User_Profiles_Minisoft_DBSettings.xml

Non-Windows:

minisoft/settings/efORMzCfg_User_Profiles_Minisoft_DBSettings.xml

Note: **A database is needed for this setup.** See further instructions, *Database Profile Setup*.

Database Profile Setup

The Ship/FX user profiles database name is as follows:

Database name: **SHIPFX Configuration**

Note: The Ship/FX database name is case sensitive and name specific.

A database connection will need to be configured in the eFORMz Director Toolkit utilizing a supported database type. For a list of supported database types:

<https://minisoft.com/support/index.php/database-url-and-driver-classes/>

Database Configuration

Database Name SHIPFX Configuration

Driver Class org.h2.Driver

Connect URL jdbc:h2:C:\Minisoft\eFORMz_6\h2db\SHIPFX;AUTO_SERVER=TRUE

user minisoft

password *****

Active in the eFORMz Composer's viewer

The DB scripts for creating the Profiles configuration can be found in the following folder:

Windows: minisoft\efORMz_6\db

DB2: 1_create_profile_tables_DB2.sql

H2: 1_create_profile_tables_H2.sql

MYSQL: 1_create_profile_tables_mysql.sql

MariaDB: 1_create_profile_tables_mariadb.sql

*CreateDB_MariaDB.sql will create the database for both Profiles and Repository.

To import the Minisoft profiles configuration into the database, utilize the below script:

Windows: minisoft\efORMz_6\db

DB2: 2_ShipFXConfiguration_MinisoftProfileSettings_DB2.sql

H2: 2_ShipFXConfiguration_MinisoftProfileSettings_H2.sql

MariaDB: 2_ShipFXConfiguration_MinisoftProfileSettings_mariadb.sql

[Wiki] Create your own profile:

<https://www.minisoft.com/support/index.php/ship-fx-administration-add-a-new-account-new-provider/>

2.2 Configure Shipments Repository

Ship/FX comes with the ability to store, in a central location, shipment information. To define your choice, the user profile will need to be defined for the repository type:

FILE_SYSTEM or DATABASE

Windows:

minisoft\efORMz_6\settings\efORMzCfg_User_Profiles_Minisoft_XXXSettings.xml

Non-Windows:

minisoft/settings/efORMzCfg_User_Profiles_Minisoft_XXXSettings.xml

<Constant Name="eSHIP_Shipments_Repository_Type">
 <![CDATA[**FILE_SYSTEM**]]>

<Constant Name="eSHIP_Shipments_Repository_Type">
 <![CDATA[**DATABASE**]]>

Note: Repository type is case and type sensitive.

The type of repository will determine which XML profiles settings you will choose, see previous table suggestion in Section 2. If you choose DATABASE, switch to full Ship/FX Server Installation, further instruction in Section 3.

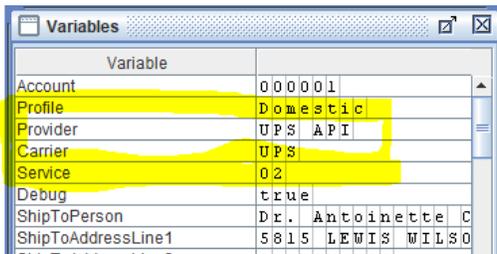
2.3 eSHIP ShipperTester.efz

The Ship/FX install comes with a supplied sample project that contains the necessary calls to implement a black box call to a configured Provider. This will work off the XML profiles configuration (not DB):

C:\Minisoft\eFORMz_6\projects\CustomerName\ShipperTester.efz

The sample project will allow you to test with either Pitney Bowes, EasyPost, UPS, FedEx API's. This project uses "Test Data" as its input.

The project is currently hardcoded based on the test data for UPS:



Variable	
Account	000001
Profile	Domestic
Provider	UPS API
Carrier	UPS
Service	02
Debug	true
ShipToPerson	Dr. Antoinette C
ShipToAddressLine1	5815 LEWIS WILSO

To change this, you must edit your Test data, Form Properties > Test Data.

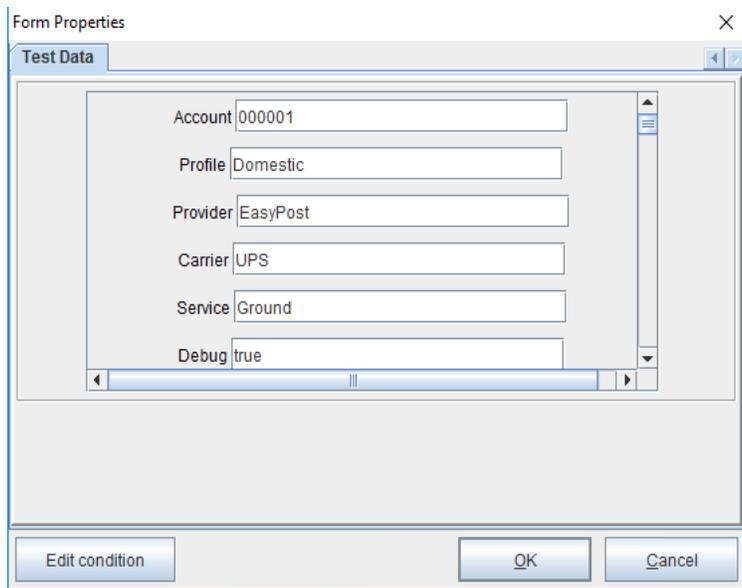
Change:

Provider: **EasyPost**

Carrier: **UPS**

Service: **Ground**

Note: Case Sensitive.



Form Properties

Test Data

Account	000001
Profile	Domestic
Provider	EasyPost
Carrier	UPS
Service	Ground
Debug	true

Edit condition OK Cancel

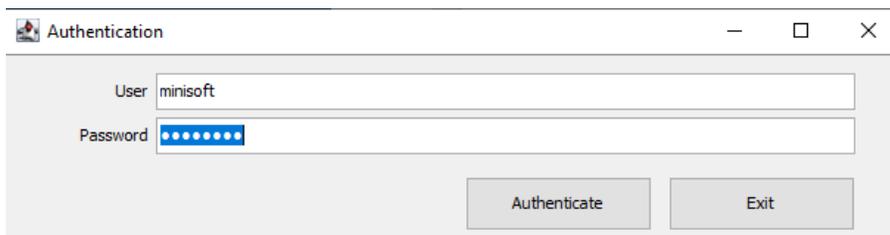
Ship/FX® Server

3.1 Service Manager Configuration

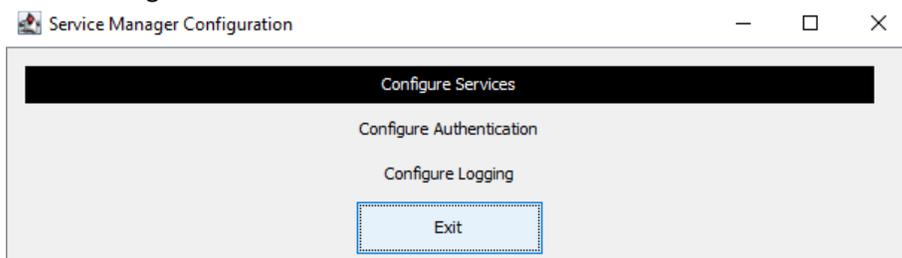
[Required for PackStation and/or Ship/FX Admin]

Add the following parameters to the Director Service in **ServiceManager_Configure.exe** as well as any other .cfg files you need the director to run on service start.

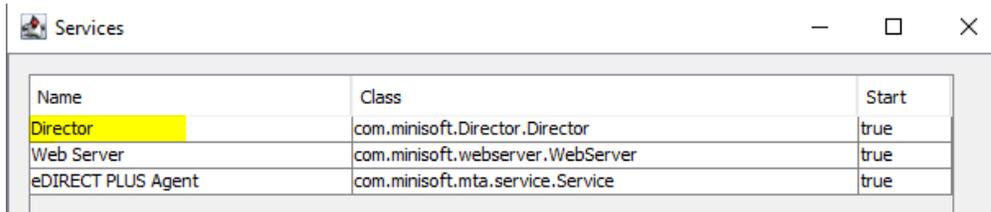
1. Login to the Service Manager configuration:
User: minisoft
Password: password



2. Select Configure Service:

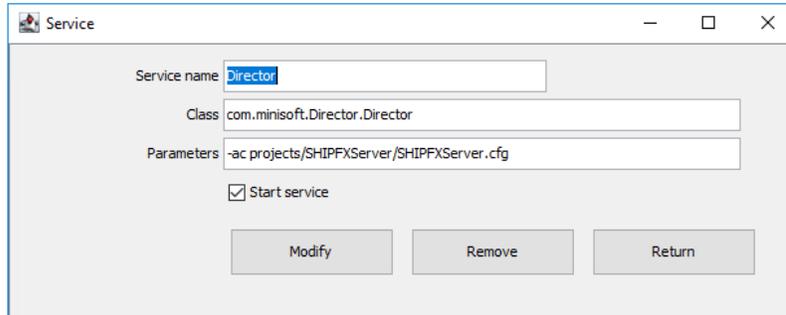


3. Select Director:



4. Add the following to Parameters:

-ac projects/SHIPFXServer/SHIPFXServer.cfg



5. Once complete save your changes.

3.2 Ship/FX User Settings

[PackStation and Ship/FX Admin]

When Ship/FX is installed, the eFORMzCfg_User_Settings.xml file is placed into the Minisoft /settings folder:

Windows:

minisoft\eFORMz_6\settings\eFORMzCfg_User_Settings.xml

Non-Windows:

minisoft/settings/eFORMzCfg_User_Settings.xml

Note: Newest version of the settings file will be installed with the extension *.release*. Your existing file will not be overwritten.

3.3 Ship/FX Server Repository Database

Shipment information that you would like Ship/FX Server to keep in its database structure, utilize the following DB scripts for creating the shipments repository. Shipment repository scripts are located in the following folder:

projects\SHIPFXServer\IntegrationObjects\SHIPFXRepository\SQL

CreateRepository_DB2.sql

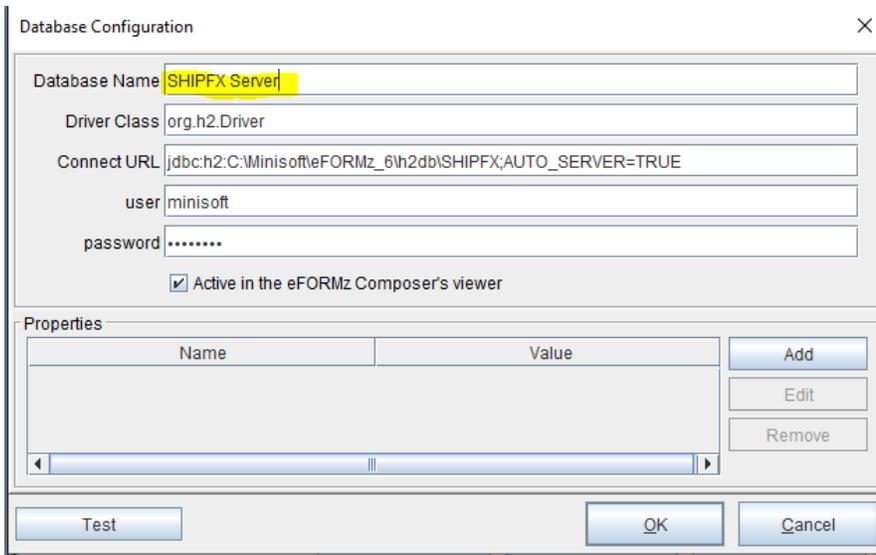
CreateRepository_H2.sql

CreateRepository_MariaDB.sql

CreateRepository_MYSQL.sql

ShipFX Database Name: **SHIPFX Server**

*Case sensitive.



Ship/FX Server - Ship/FX PackStation - Ship/FX Admin - DATABASE Repository - DATABASE Profiles Configuration		X
Ship/FX Server -Third Party Integration - XML Profiles Configuration - Ship/FX PackStation - DATABASE Repository, Third Party	X	

3.4 Glassfish Install

[Ship/FX Server PackStation ONLY]

Feel free to contact Minisoft for a full readme on installing Glassfish for Ship/FX Server PackStation.

1. Download glassfish 5.0.1
Website: <https://javaee.github.io/glassfish/download>
2. Unzip as admin to c:\
It will automatically create the glassfish 5.0 folders
3. Download jdk-8u211-windows-x64.exe from Oracle site:
<https://www.oracle.com/java/technologies/javase/javase8u211-later-archive-downloads.html>

3.5 Ship/FX Connect

Install Ship/FX Connect if you would like to enable printing from Ship/FX Server PackStation or Ship/FX Server Admin.

[MiniWiki]

<https://www.minisoft.com/support/index.php/ship-fx-connect-configuration-add-printer/>

<https://www.minisoft.com/support/index.php/ship-fx-connect-configuration-scale-select/>

4.1 AuthenticationCfg.xml and Credentials.xml

[Required for PackStation and/or Ship/FX Admin Login Screens]

Note: This will affect any ActiveForms Web pages when put into place. If you previously did not have login credentials you will now be asked to provide.

Authentication

The Ship/FX install will install the following file if not present:

Windows:

C:\Minisoft\eFORMz_6\AuthenticationCfg.xml

Non-Windows:

/minisoft/AuthenticationCfg.xml

Credentials

The Ship/FX install will install the following file if not present:

Windows:

C:\Minisoft\eFORMz_6\projects\Credentials.xml

Non-Windows:

/minisoft/Credentials.xml

Confirm the following is included in the Credentials.xml file:

```
-----  
<User Name="user" Password="password" Id="000001"> <!-- Id is the Account Name -->  
  <UserProperty Name="FirstName" Value="ShipFX"/>  
  <UserProperty Name="LastName" Value="User"/>  
  <UserProperty Name="UserId" Value="ShipFXUser"/>  
  <Permission Value="ShipmentServer" /> <!-- This is the Authentication Group for the PackStation -->
```

</User>

Note: Credentials passwords should be updated immediately, otherwise, access to PackStation and Ship/FX Admin are vulnerable.

4.2 Ship/FX PackStation and Admin Links

The default Ship/FX PackStation and Admin links are as follows:

ShipFX Admin:

<https://localhost:8000/aFORMz/SHIPFXAdmin>

ShipFX Packstation:

<http://localhost:8080/SHIPFX/ps>

Usernames and passwords are set in the Credentials.xml file.