



# CHRONO TEAM EXPAND

Upgrade Guide

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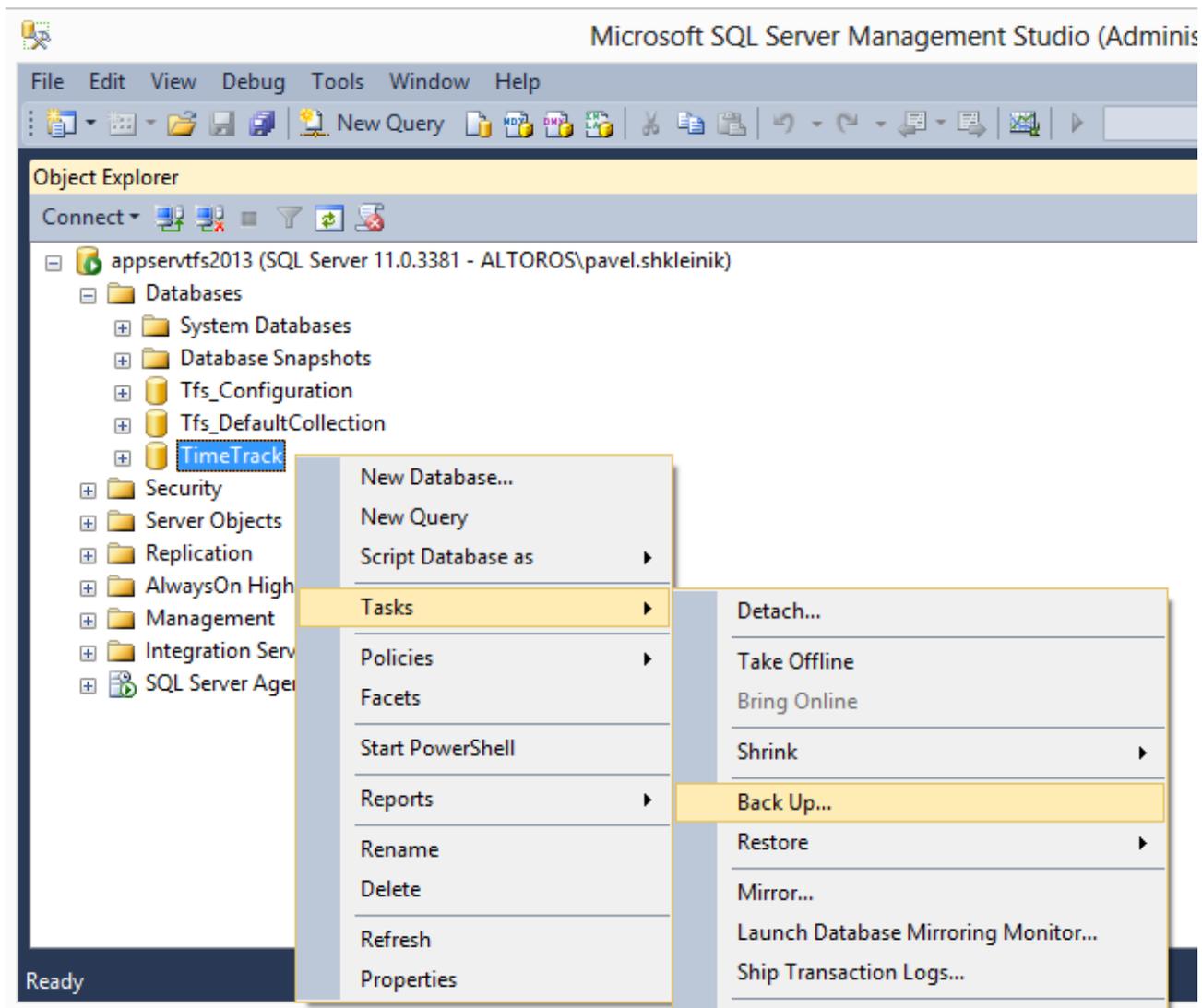
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# 1. TX Chrono Upgrade

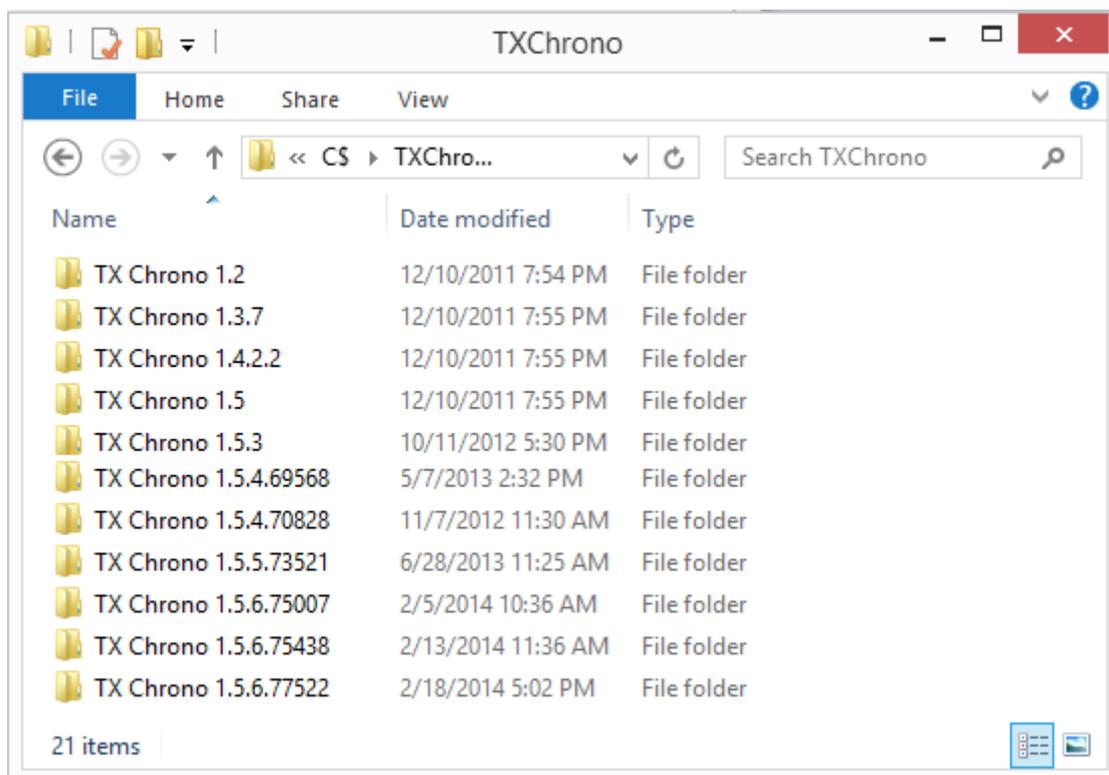
## 1.1 Backup database and configuration files

Before you start upgrading TX Chrono please backup the following:

- TX Chrono **database** (TimeTrack);



- **TX Chrono** application folder (by default C:\inetpub\wwwroot\TXChrono):

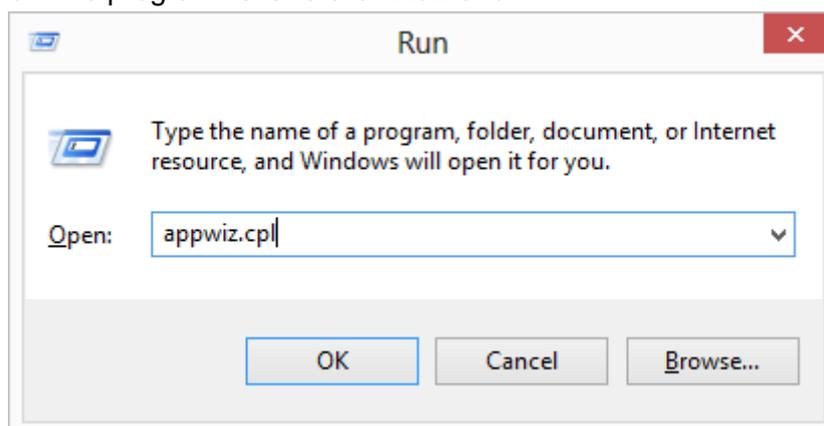


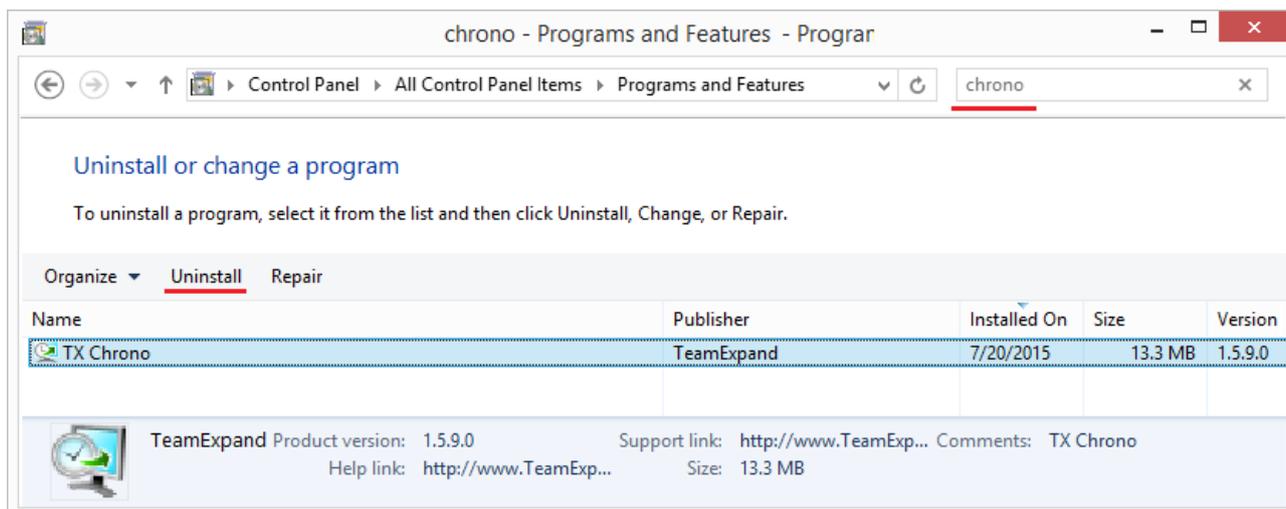
**Note:** We will need **web.config**, **web.sitemap**, **ApplicationSettings.xml** and **license.lic** files later.

## 1.2 Uninstall previous TX Chrono installation

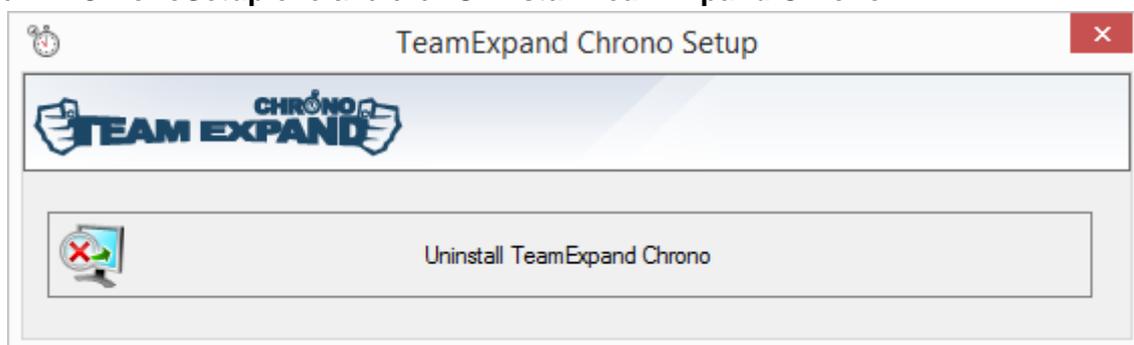
There are two ways to uninstall TX Chrono Web Site:

1. Go to Add or Remove Programs (Start -> Control Panel -> Add or Remove Programs). Select 'TX Chrono' from the program list and click **Remove**.

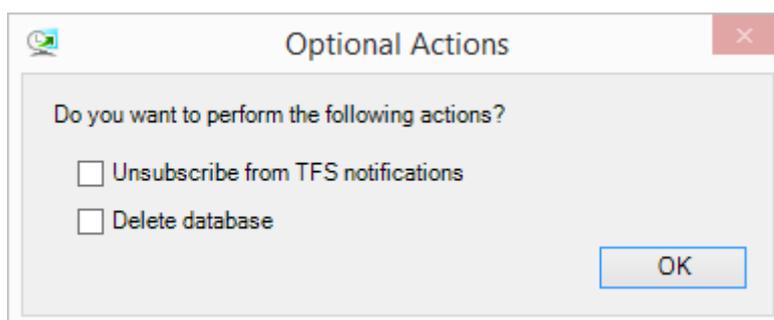




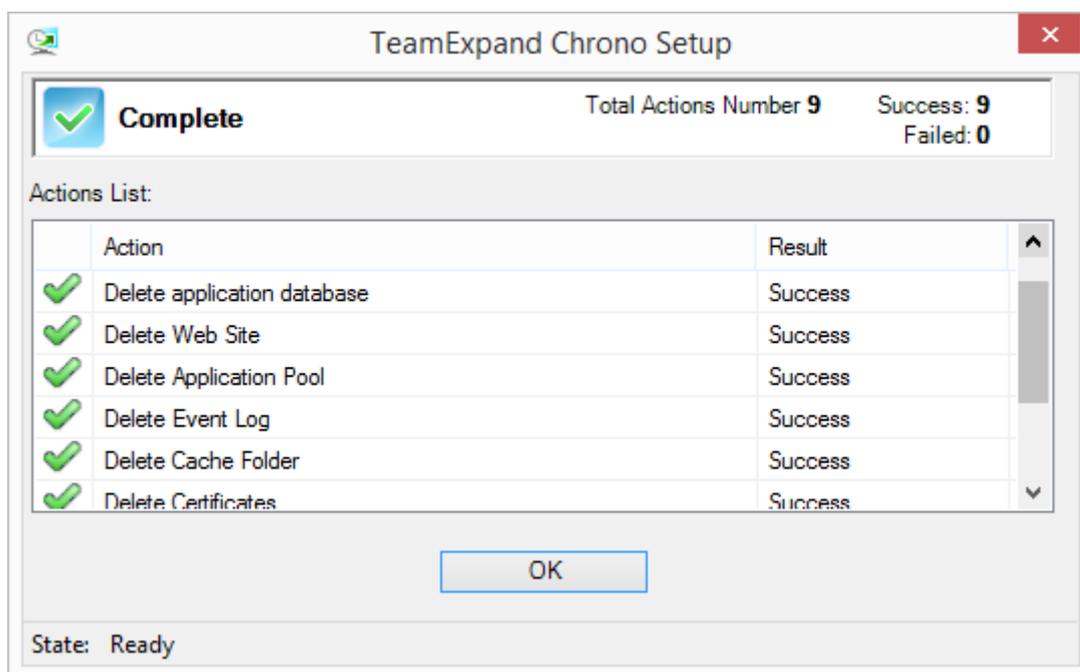
2. Run **TXChronoSetup.exe** and click **Uninstall TeamExpand Chrono**:



After uninstall is initiated you will be offered additional options. Please, leave checkboxes empty:



Then uninstall process starts. Some steps can fail:



**Note:** If you are updating the entire server and just want to abandon old one, keep in mind that you need to delete old Notification Subscriptions from the TFS.

### 1.3 Apply TX Chrono Upgrade scripts

To actualize the database the upgrade scripts should be applied. They add a few more tables, stored procedures and update your data accordingly. The scripts are labeled “TX Chrono upgrade script 1.\*.\* to 1.\*.\*.sql”

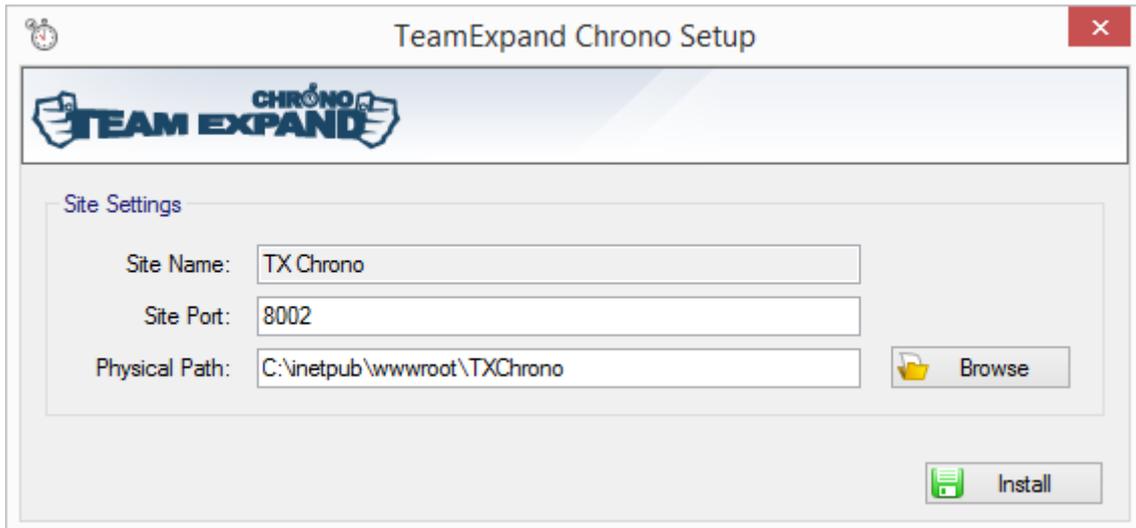
To upgrade your DB, please follow the steps below:

1. Make sure you completed the steps specified in p. 1.1.
2. Run TX Chrono upgrade scripts against your TimeTrack database.

You can find the upgrade scripts by the following the link: [TX Chrono DB Upgrade Scripts](#)

### 1.4 Install a new version of TX Chrono

Once you have updated your database and backed up the files mentioned in section 1.1 of the current guide, run TX Chrono installer:



### 1.5 Import Site Specific settings

If you made any changes to the web site configuration you need to import them (in web.config file). Pay attention on settings like this:

```
<jsonSerialization maxLength="3000000" />
<httpRuntime executionTimeout="900" maxRequestLength="10240" />
<globalization culture="en-US" uiCulture="en-US" />
```

And any other specific for your deployment customizations.

### 1.6 Configure Database Connection

After application installation you need to connect it to your existing recently updated database. Apply to Configuration Guide for details:

[Licenses](#)[Settings](#)[Logout](#)

## Settings

[Create Database](#)[SQL Settings](#)[Log](#)

### SQL Settings

#### Connection Details

Server Database Name 

#### Credentials

User Name Password Status **Error**

**Note:** After Database connection is configured click Settings link for full page reload.

### 1.7 Import Fields settings (1.5.8 and older)

If you are updating from version older than 1.5.9 you need to import Field Info values from the ApplicationSettings.xml file to the FieldInfo table in the TimeTrack database (update only ReferenceName and IsDefault columns):

	Id	FieldName	ReferenceName	Alias	IsDefault	FieldType	EditType
▶	1	Title	System.Title	Title	False	6	0
	2	State	System.State	State	False	6	0
	3	Completed Work	Microsoft.VSTS.Scheduling.CompletedWork	CW	True	2	1
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

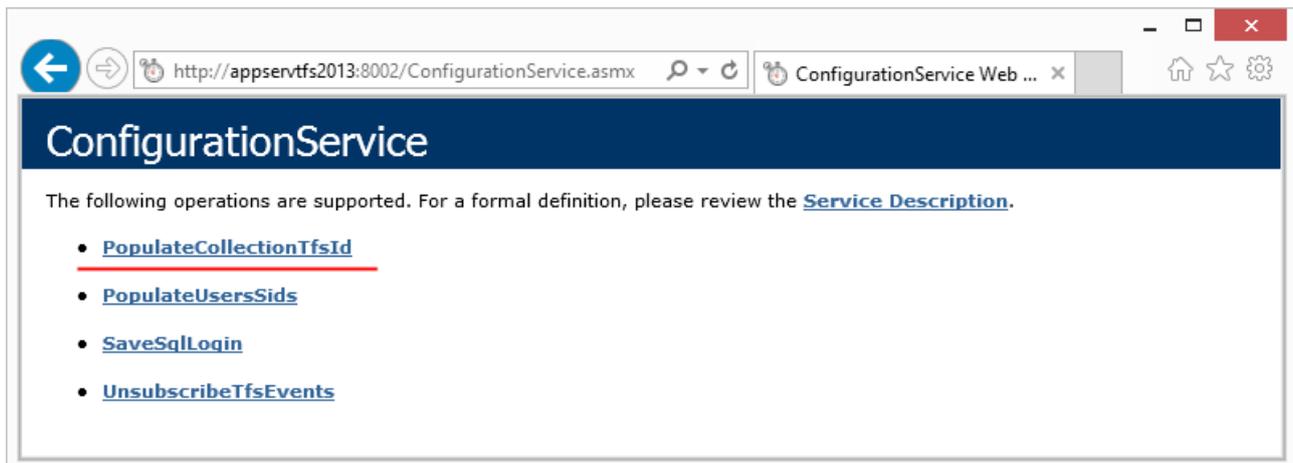
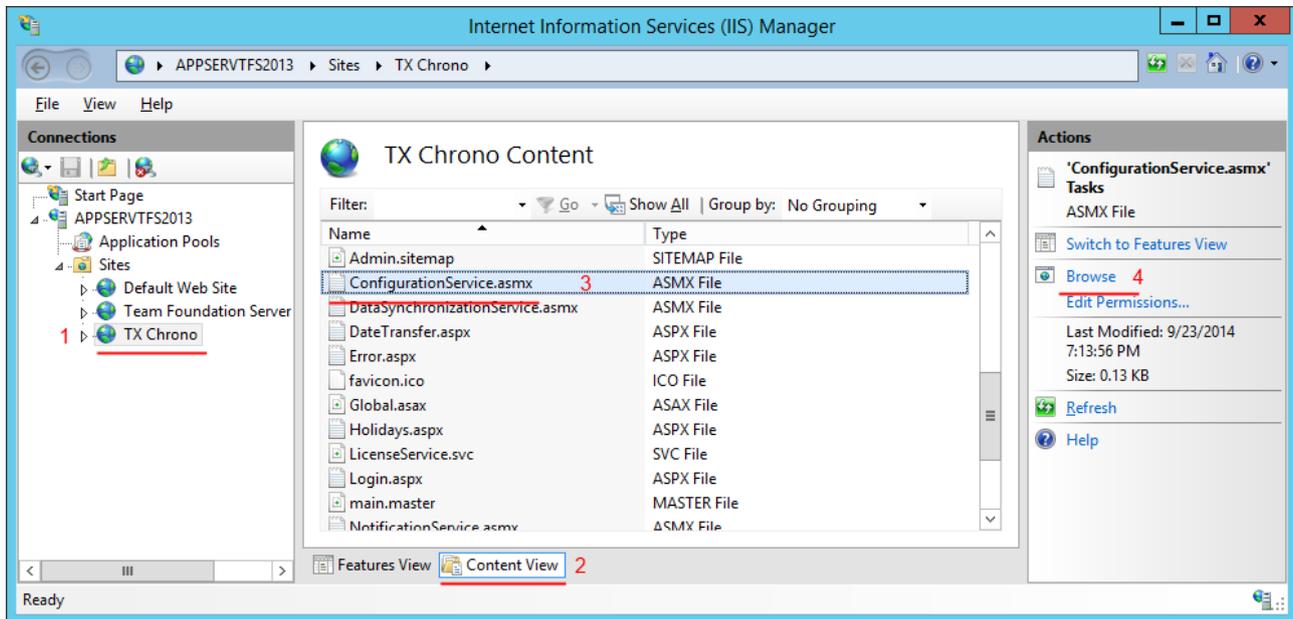
### 1.8 Import existing configuration (1.5.8 and older)

If you are updating from version older than 1.5.9 you need to go through the key application configuration steps using your existing configuration files as source. Please, refer to the Configuration Guide.

**Note:** At first we recommend set Initial Synchronization Delay to some big value like 1440 and restart Application Pool to prevent background synchronization during configuration process.

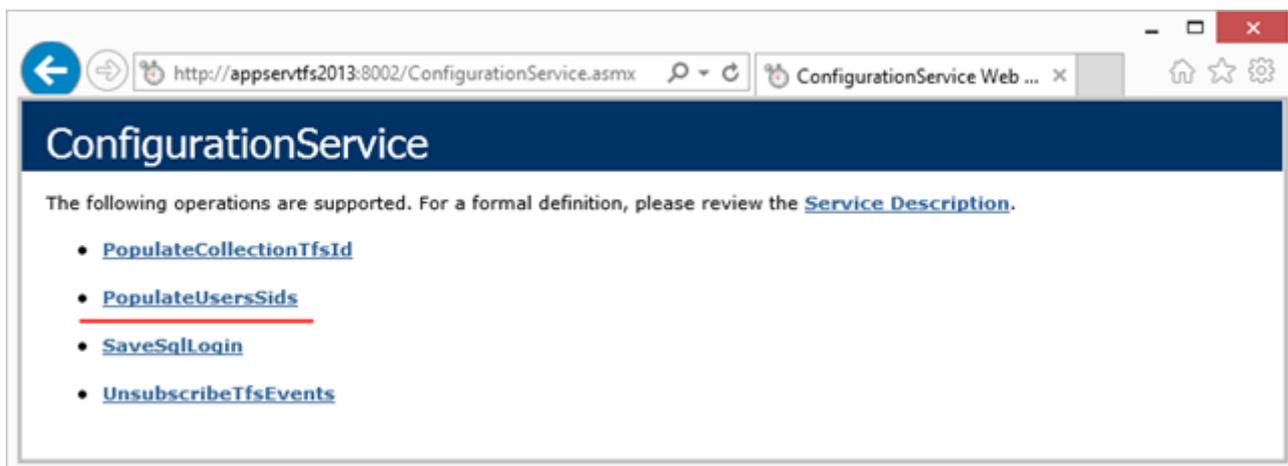
## 1.9 Populate TFS Collections IDs (1.5.7 and older)

If you are updating from version older than 1.5.8 you need to run Configuration Service and trigger **PopulateCollectionTfsId** method:



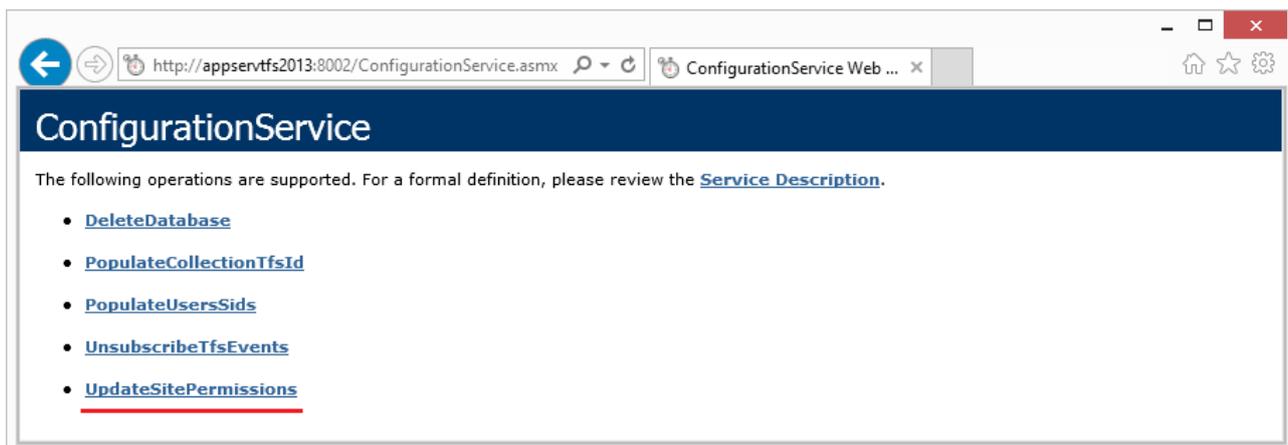
## 1.10 Populate User SIDs (1.5.4 and older)

If you are updating from version older than 1.5.5 you need to run Configuration Service and trigger **PopulateUsersSids** method of Configuration Service:



### 1.11 Update Site Permissions

If you have customized approval hierarchy you have a need to update site permissions. To do this just trigger **UpdateSitePermissions** method of the Configuration Service:



### 1.12 Try to sync application

To check if upgrade passed successfully you can trigger synchronization (don't forget to start Application Pool if you still have it stopped):

The screenshot shows a web interface with three tabs at the top: 'Licenses', 'Settings', and 'Logout'. The 'Settings' tab is selected and underlined, with a red '1' pointing to it. Below the tabs is a 'Settings' section with a sidebar containing 'Synchronization' (underlined with a red '2') and 'Settings'. The main content area is titled 'Synchronization' and displays the following information: 'Last Sync: 07/08/2015 20:43:34', 'Time Elapsed: 3m 12s', 'Next Sync: 07/08/2015 21:25:21', and 'Sync Status: Success'. A 'Synchronize' button (underlined with a red '3') is located below this information. Underneath is a 'Settings' section with two input fields: 'Initial synchronization delay(min): 15' and 'Synchronization interval(min): 45'. A 'Save' button is positioned at the bottom of this section.

[Licenses](#) [Settings](#) [Logout](#)

**Settings**

**Synchronization**

**Last Sync:** 07/08/2015 20:43:34  
**Time Elapsed:** 3m 12s  
**Next Sync:** 07/08/2015 21:25:21  
**Sync Status:** Success

**Synchronize**

**Settings**

**Initial synchronization delay(min):**   
**Synchronization interval(min):**

**Save**

You can find more information on application synchronization in our [Configuration Guide](#)