

Setting Up

Multiple

Ostendo API Services

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## Overview:

At times there are requirements to run Freeway on servers that have multiple Ostendo databases. Previously, Ostendo would only allow one Ostendo API service to be setup against one database, resulting in the other databases not being able to utilise Freeway.

This document explains the setup for multiple instances of the Ostendo API to allow Freeway to connect to different Databases on the same Server.

For the purposes of this document we already have the default API service already setup and configured against Coy1.fdb, therefore we will focus on how to add another instance to the linked to another database being Coy2.fdb

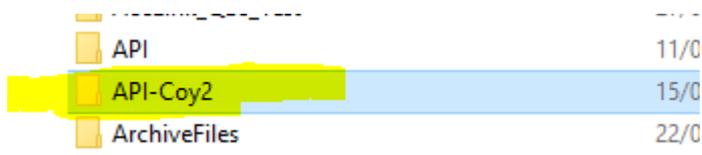
If you do not feel confident with this setup process, it is suggested your IT support provider assistances you with this.

## Setup Steps

- Ensure Port Forwarding has been configured on your router for another server port (In this example we will use Port 83)
- Ensure you have setup Windows Firewall Port Exception Inbound / Outbound rules for this new port
- Launch Ostendo for COY2 database
- From the Mobility Rules screen apply the COY2 Mobility License .flf file then close this screen

Mobility Rules	
No Automatic Data Sheet Posting	<input type="checkbox"/>
Allow Data Sheet Editing	<input checked="" type="checkbox"/>
Allow Data Sheet Deletion	<input checked="" type="checkbox"/>
Registered Company	Company 2
Mobility Licence Code	500d5322xWaj/Sst6aJ9x6kd4k0
Employee Locations - Refresh Interval (Minutes)	

- From windows Explorer, browse to the Ostendo folder and create a sub folder with a suitable name eg: API-COY2



- Copy the following files from the Ostendo folder into this new folder
  - eventv.dll
  - fbclient.dll
  - InstallAPI.bat
  - ostendoapi.exe
  - ostendoapi.ini
  - UninstallAPI.bat

NB:

**If you are running a version of Ostendo prior to Update 234 you must download a new version of the ostendoapi.exe from [http://www.ostendo.info/downloads/ostendo/ostendoapi\\_422.zip](http://www.ostendo.info/downloads/ostendo/ostendoapi_422.zip) , then stop the current Ostendo API Service and copy this new version into both your current Ostendo folder as well as any new API company folders used for multiple API instances.**

## Configuring the API Files

- From within this new folder, edit the files as shown below using Notepad:
  - InstallAPI.bat

From

```
InstallAPI.bat - Notepad
File Edit Format View Help
cd\
cd %~dp0
OstendoApi.exe /install /silent
```

To

```
InstallAPI.bat - Notepad
File Edit Format View Help
cd\
cd %~dp0
OstendoApi.exe /install /name "ostapisvc2" /display "Ostendo Rest API Service COY2"
net start "ostapisvc2"
```

NB:

- The /Name Parameter of "ostapisvc2" must be unique for every API instance. This name is never displayed, so can be left with a generic value.
- The /display value is the name that will be seen in the Windows services screen, therefore this can be more descriptive eg: "Ostendo Rest API Service COY2"
- Ensure the value after the start command is identical to that used in the /name parameter eg: "ostapisvc2"

- UninstallAPI.bat

From

```
UninstallAPI.bat - Notepad
File Edit Format View Help
NET STOP "Ostendo Rest API Service"
cd\
cd %~dp0
OstendoApi.exe /uninstall /silent
```

To

```
UninstallAPI.bat - Notepad
File Edit Format View Help
NET STOP "ostapisvc2"
cd\
cd %~dp0
OstendoApi.exe /uninstall /name "ostapisvc2" /display "Ostendo API rest Service COY2"
```

- Same rules apply with these parameters as in the Install batch file.

o ostendoapi.ini

From

```
ostendoapi.ini - Notepad
File Edit Format View Help
[Settings]
Port=82
DBUsername=SYSDBA
DBPassword=masterkey
UseHttps=0
HttpsPort=
SSLThumbprint=
SSLCert=
SSLKey=
StaticFileDirectory=C:\Temp\
MobileDynamicIP=
MobileCompanyID=
OverrideIP=
OverrideIPRemote=

[Configuration_0]
Active=1
Freeway=1
Database=C:\Program Files (x86)\Ostendo\Database\COY1.FDB
|
```

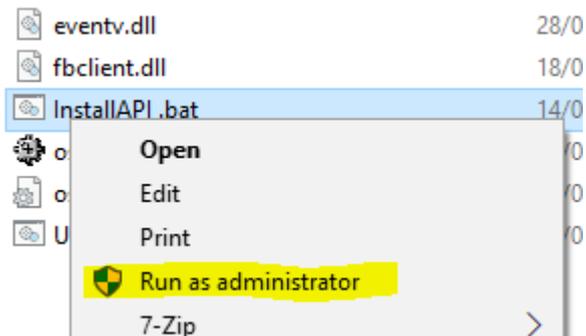
To

```
ostendoapi.ini - Notepad
File Edit Format View Help
[Settings]
Port=83
DBUsername=
DBPassword=
UseHttps=0
HttpsPort=0
SSLCert=
SSLKey=
StaticFileDirectory=
OverrideIP=
OverrideIPRemote=
[Configuration_0]
Active=1
Database=C:\Program Files (x86)\Ostendo\Database\COY2.fdb
Freeway=1
```

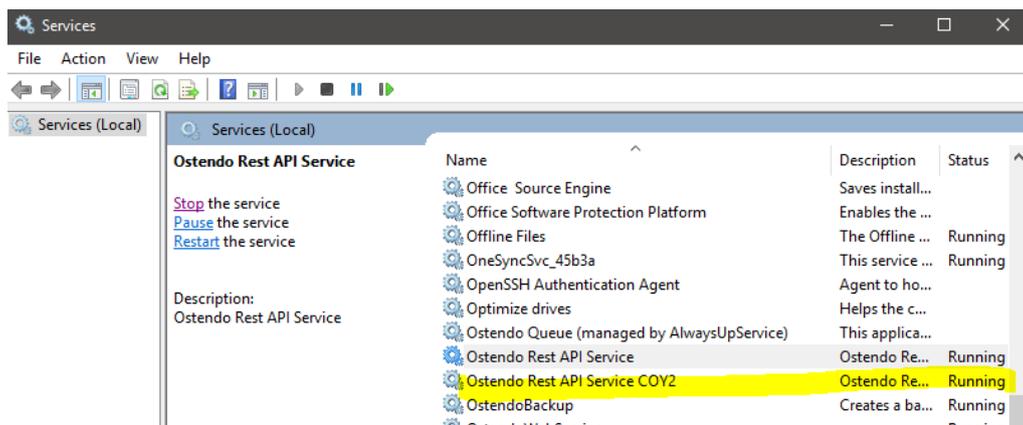
- Change the Port Number parameter to the new port to be used for this 2<sup>nd</sup> database
- Change the Database path to reflect the 2<sup>nd</sup> Ostendo database to be configured

## Installing the Service

- Run the InstallAPI.bat as Administrator to install the new service



- Once the Service is installed, go to Windows Services screen and check your new service is running



## Using Windows Services

- It should be noted that from this point on you should NEVER use the File->API Configuration screen to stop or change any settings relating to any of your existing API instances. Instead you should modify the respective ostendoapi.ini files in either your current Ostendo folder, or any additional API company folders you may have. (If you do change a setting in the Configuration screen it will only affect the base API settings held in your Ostendo folder).
- You should use the Windows Services screen to stop or re-start the respective Service. Or create and use two simple batch files to stop and start the respective services.

## Applying Ostendo Updates

- In future whenever an Ostendo Update is applied you should first, turn off the Service(s) and then before turning it back on, copy the ostendoapi.exe from the Ostendo folder to any additional API folders.