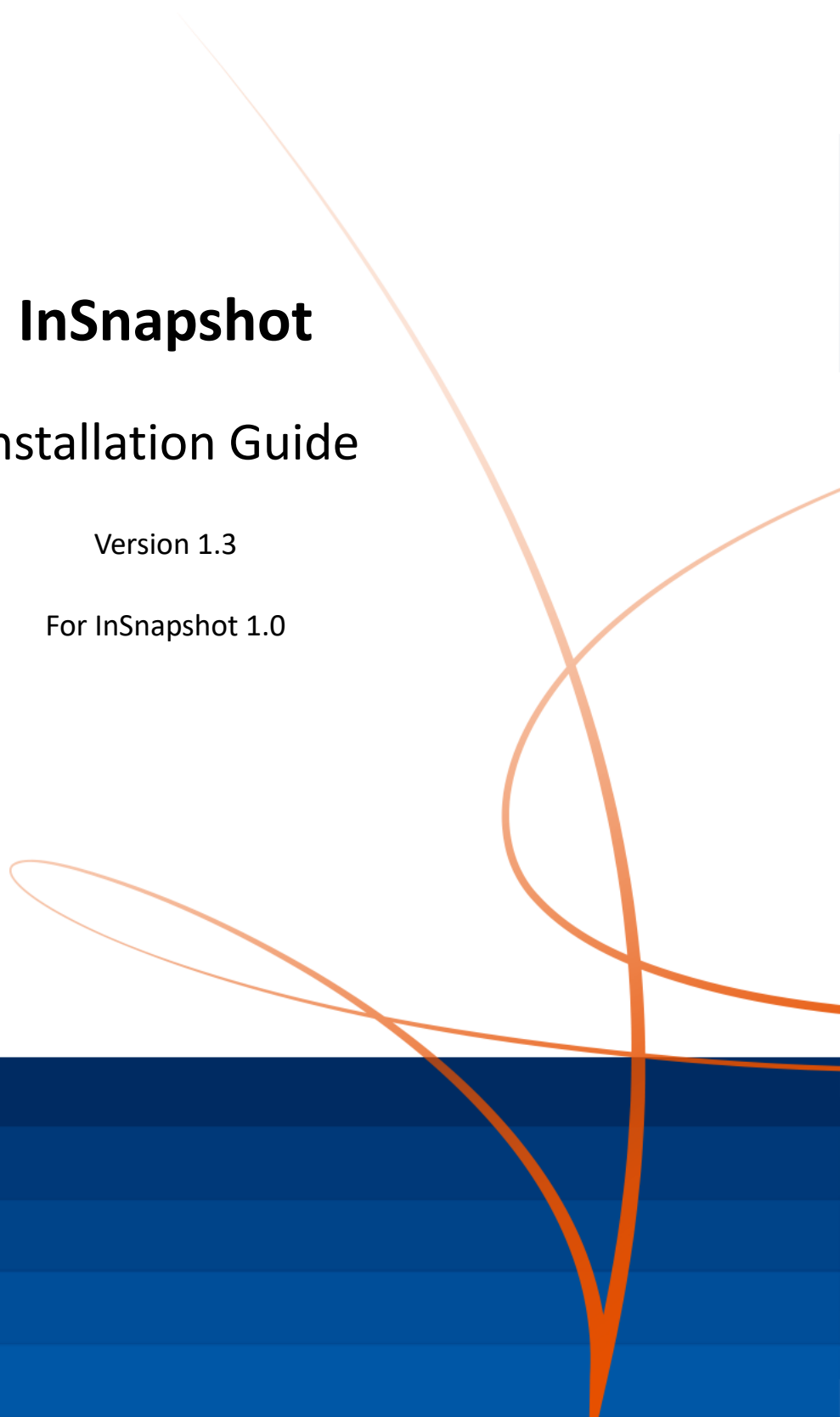


InSnapshot

Installation Guide

Version 1.3

For InSnapshot 1.0



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Revision History

Version	Author	Date	Changes
1.0	Adam Page	01/03/19	First revision
1.1	Adam Page	29/10/19	Added CP20 and http notes
1.2	Nigel Witts	08/01/2020	Updated in line with V1.0 InSnapshot
1.3	Nigel Witts	31/3/2020	Minor editing correction

Introduction

InSnapshot is a small on-board application, which utilises the XML Push capability of the NEC terminals to display an image on the keytelephone display. This has a number of applications;

- CCTV monitoring
- Door entry
- Secure areas
- Room monitoring
- Web statistics display

Any image that is displayed must be hosted on a web server and accessible by the telephone keyset. The image must be of the correct resolution for the telephone or it will be cropped. If the image is not displayed then it may be too large.

It is possible to have multiple keys for multiple images, and possible to assign different keys to different phones – for example different phone models or requirement to monitor different cameras or display different images.

Licensing

License Code . The following LMS licenses are available for InSnapshot:

PBX	Part Number	Description
SV9100	3524	OnBoard App. InSnapshot v1 Lic
SV9100	3525	InSnapshot Image-1 Lic

The OnBoard App license is required for InSnapshot to run, then one Image license is required for each image source.

When the license is installed, it can be displayed through PC Pro in Feature > Activation or WebPro / TelPro.

Requirements

A colour display terminal is required. The DT820 and DT830 colour terminals are supported. Currently only SV9100 platform supports these terminal models.

- LCD size is different between DT820 and DT830
- It is not possible to adjust the image size
- It is not possible to move the image in the left / up direction, only right / down is available
- It is not possible to modify the image
- A still image must be supported by the webcam / video door phone, dual stream is also required
- The webcam/video doorphone must be able to provide a suitable still image
- A programmable function key is required for each image

DT820 ITY-8LCGX – Display size 320x240 pixel

DT830 ITZ-12CG – Display size 480x272 pixel

Image refresh rate from 1 second interval for both terminals

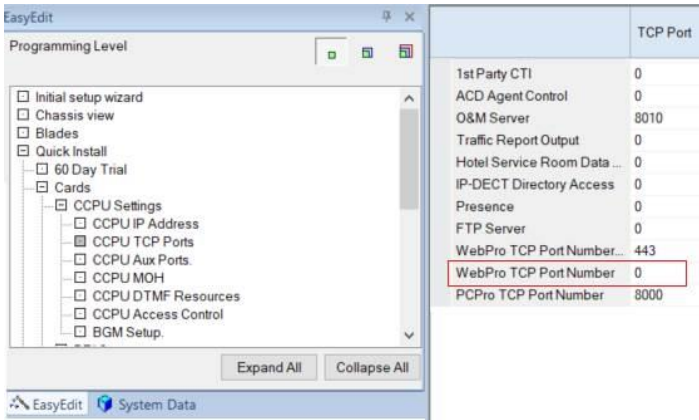
PBX	System Software Version
SV9100 CP20	10.00.51 or above
SV9100	8.00.55 or above

An example is shown below with the built in test image.



Installation Procedure

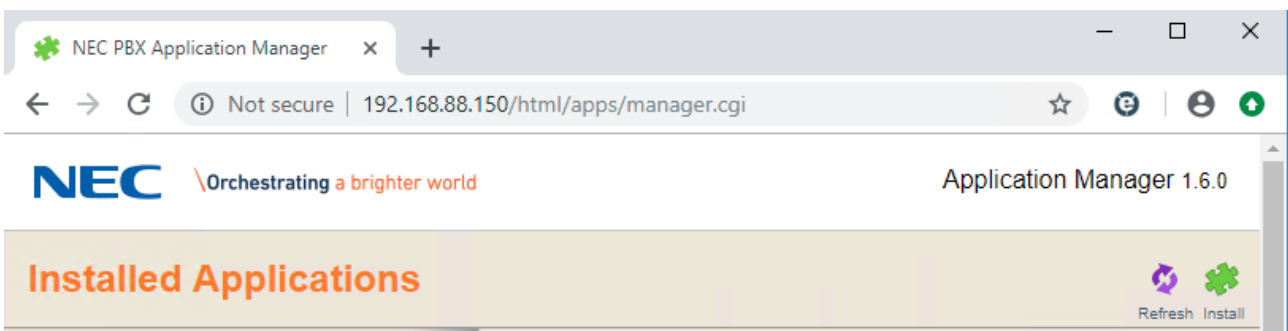
Note: If installing InSnapshot on SV9100 CP20, http access to WebPro is disabled by default. It must be enabled in Quick Install + Cards + CCPU Settings + CCPU TCP Ports (PRG 90-54-01). The WebPro TCP port is set to 80. **Ensure that the http link and not https is used to install and manage the application.**



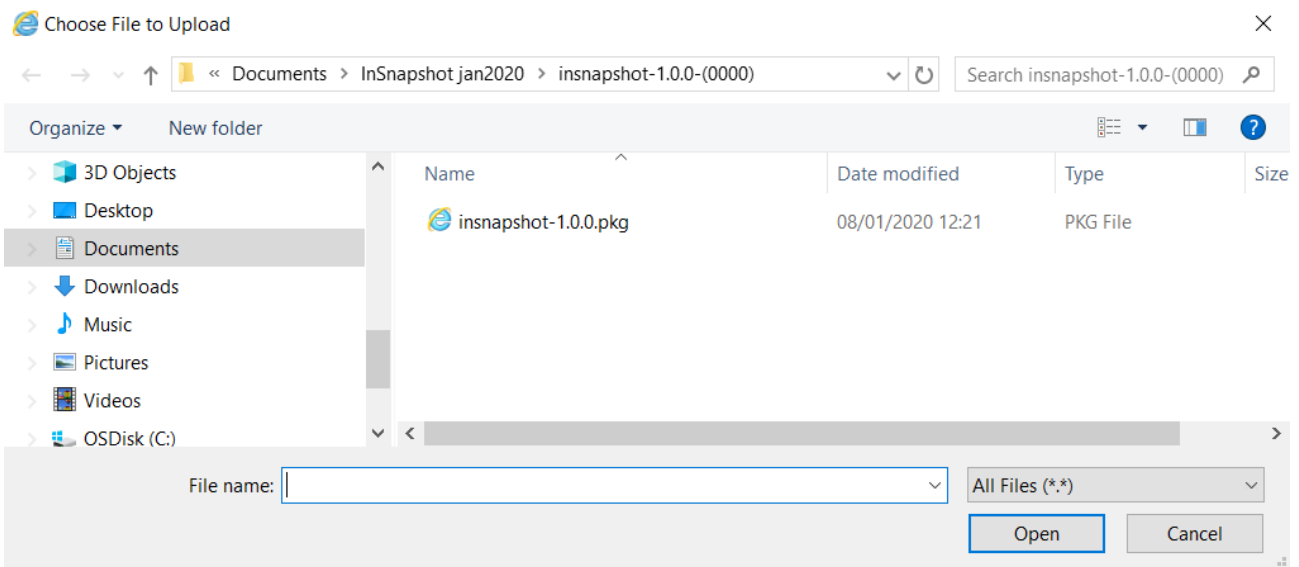
InSnapshot is installed using the application manager which can be accessed via the url:

<http://IP Address of the PBX/html/apps/manager.cgi> for example <http://10.0.0.150/html/apps/manager.cgi>

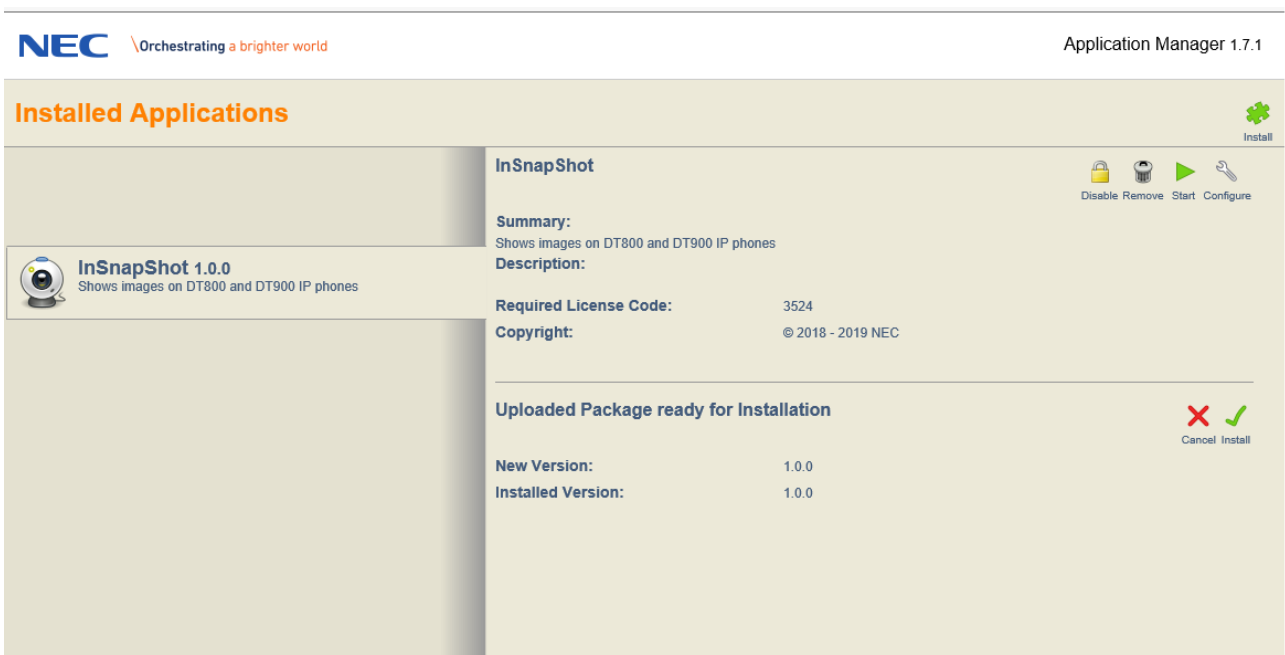
You will need to logon to the application with an installer login on the PBX. Once logged in then click the install button in the top right hand corner.



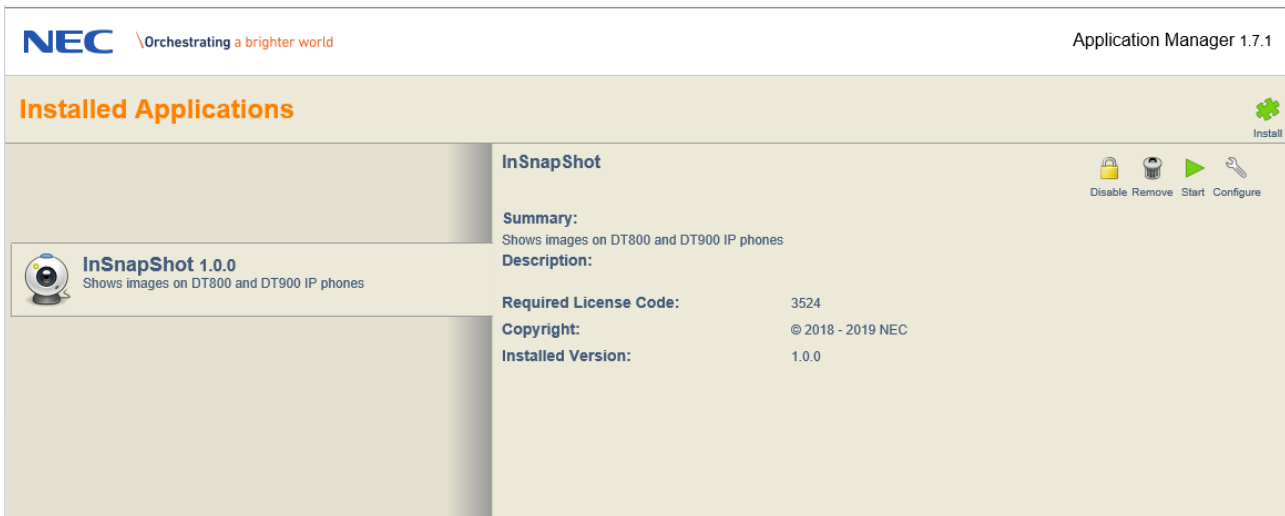
Browse to the InSnapshot pkg installation file and click Open.



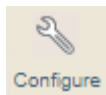
A preview of the application that is about to be installed will be displayed in the lower half of the window, click the green tick to proceed with the installation.

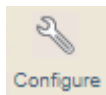


Once the installation has finished then the option to start the application is available, click on this to start InSnapshot.



InSnapshot requires a basic configuration in order to work. There is a predefined image which can be displayed on the phone terminal.



To configure InSnapshot click the  button.

Configuration



Files



Cameras

Camera No	Name	Image URL	Reload
1	Test Image	http://172.16.0.10:80/html/apps/snapshot/test.png	0
2			0
3			0

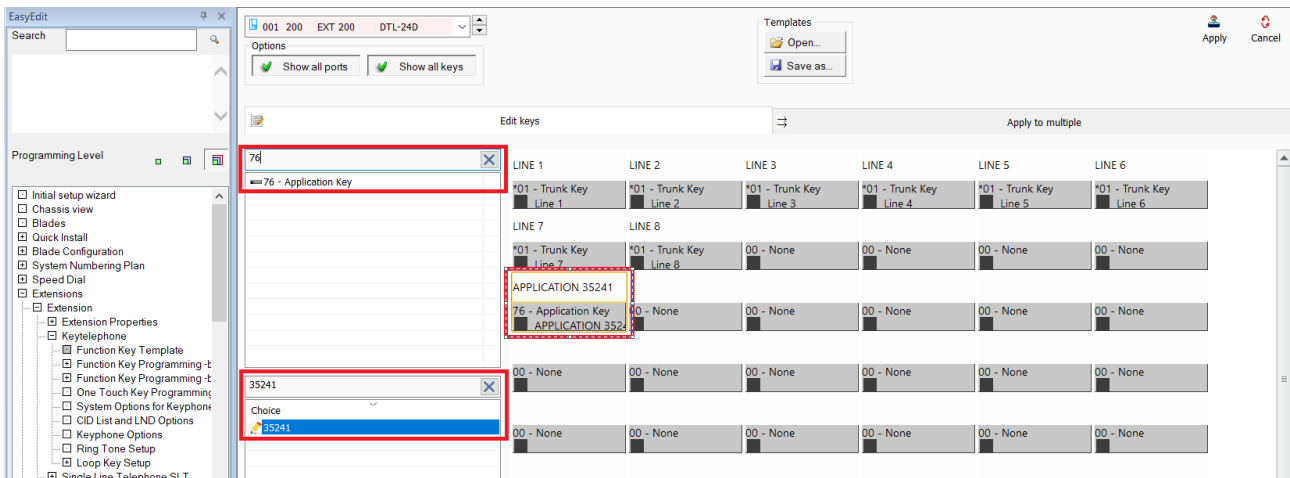
The 'Test' image is loaded with the software and linked to 'Camera No 1'

The Camera numbers will correspond to the quantity of Image Source licenses (3525) you have activated on the PBX.

It is necessary to program the function key against the terminal. This is easily done with PCPro Function Key templates.

The Key Code must match the camera number configured in InSnapshot.

Each camera number must be preceded with 3524 – example for camera number 1 is 35241



Enter 76 into the search area and select 76-Application Key within the drop down box.

Enter 3524 plus the camera number into the additional data prompt box and drag and drop the choice onto the programmable key.

Click Apply when all keys/terminals are configured and upload to the PBX.

Terminal Configuration

It is necessary to allow the push notification to be accepted by the IP terminal. This is completed inside the maintenance menu of the IP phone.

Access the maintenance Menu (Menu +0)

4. Security

2. Push Server

1. Push Server Access

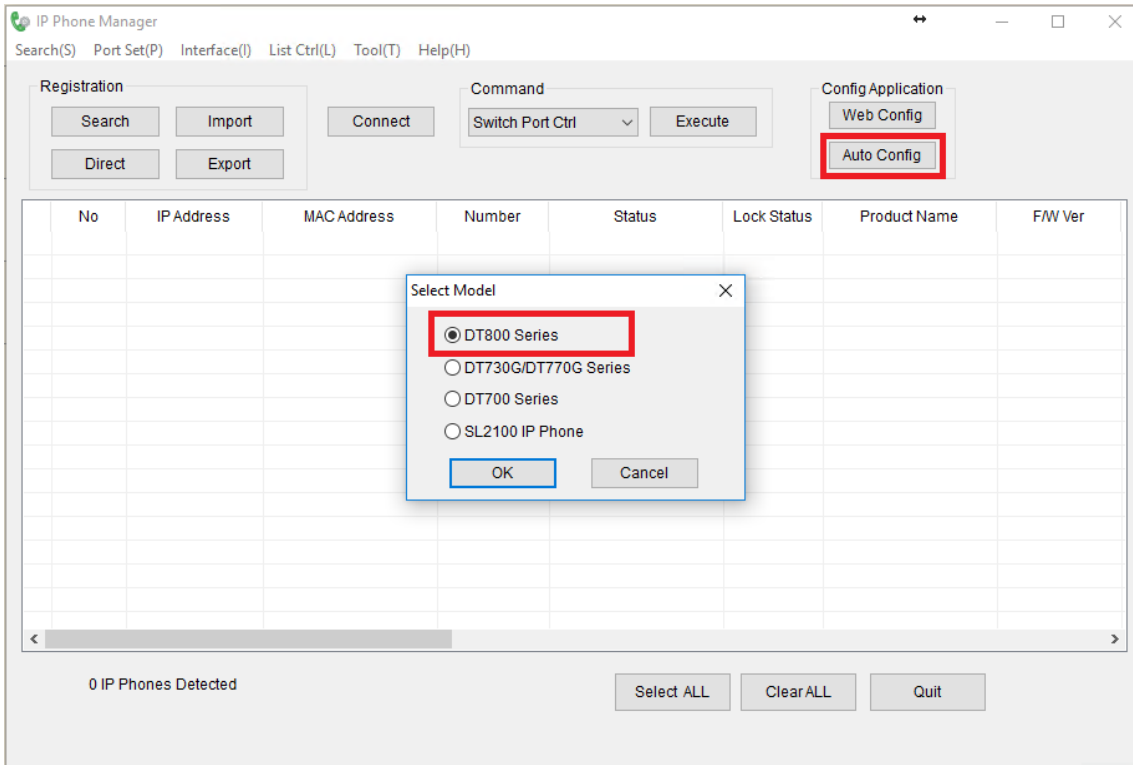
Set this security setting to 'Enable(All Client)'.

Press the function key to display the image on screen.

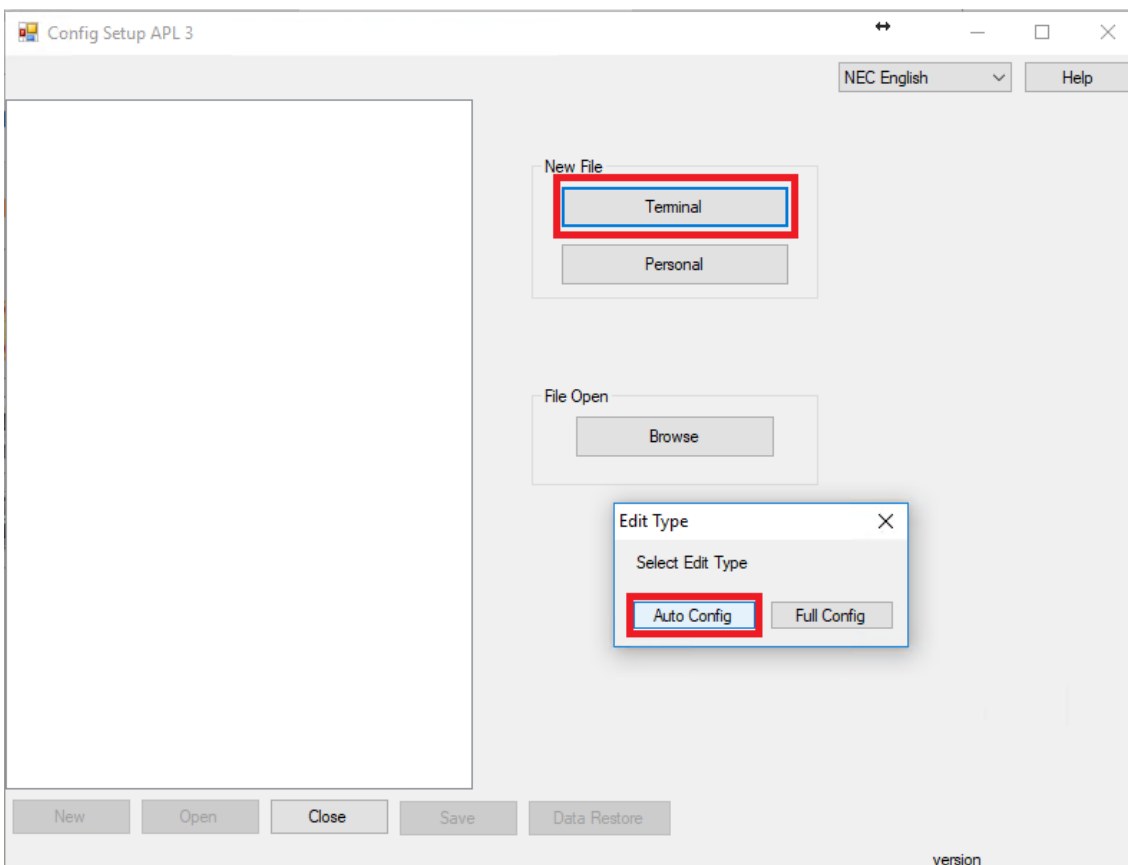


The terminals can also be updated en masse using a configuration file created with the IPPhone Manager tool. The IPPhone Manager tool can be downloaded from the Software Database area of BusinessNet.

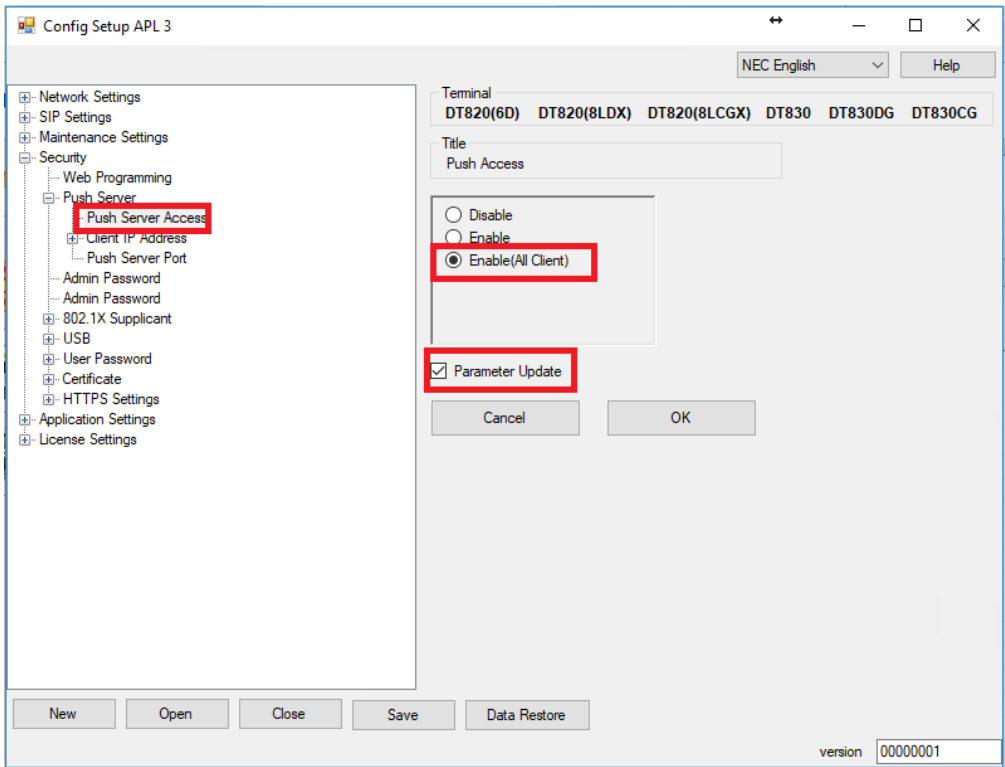
To create the configuration file open the IPPhone Manager and select Auto Config and then DT800 Series.



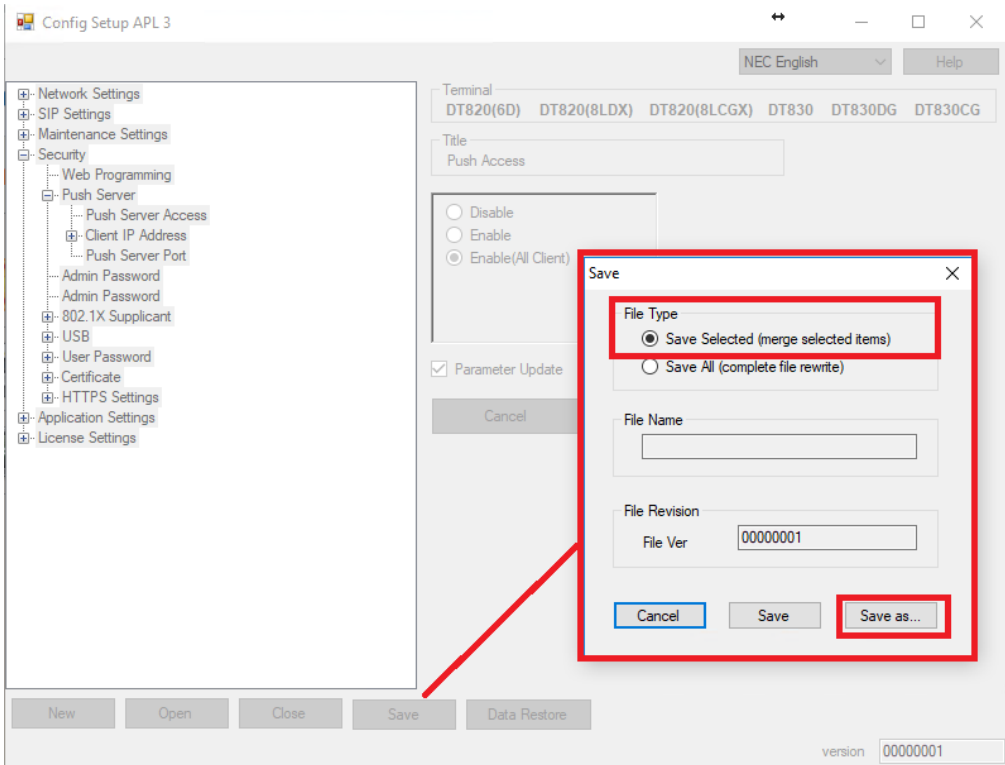
Create a new Terminal file and select the Auto Config option. (This step may require 'Run as Administrator')



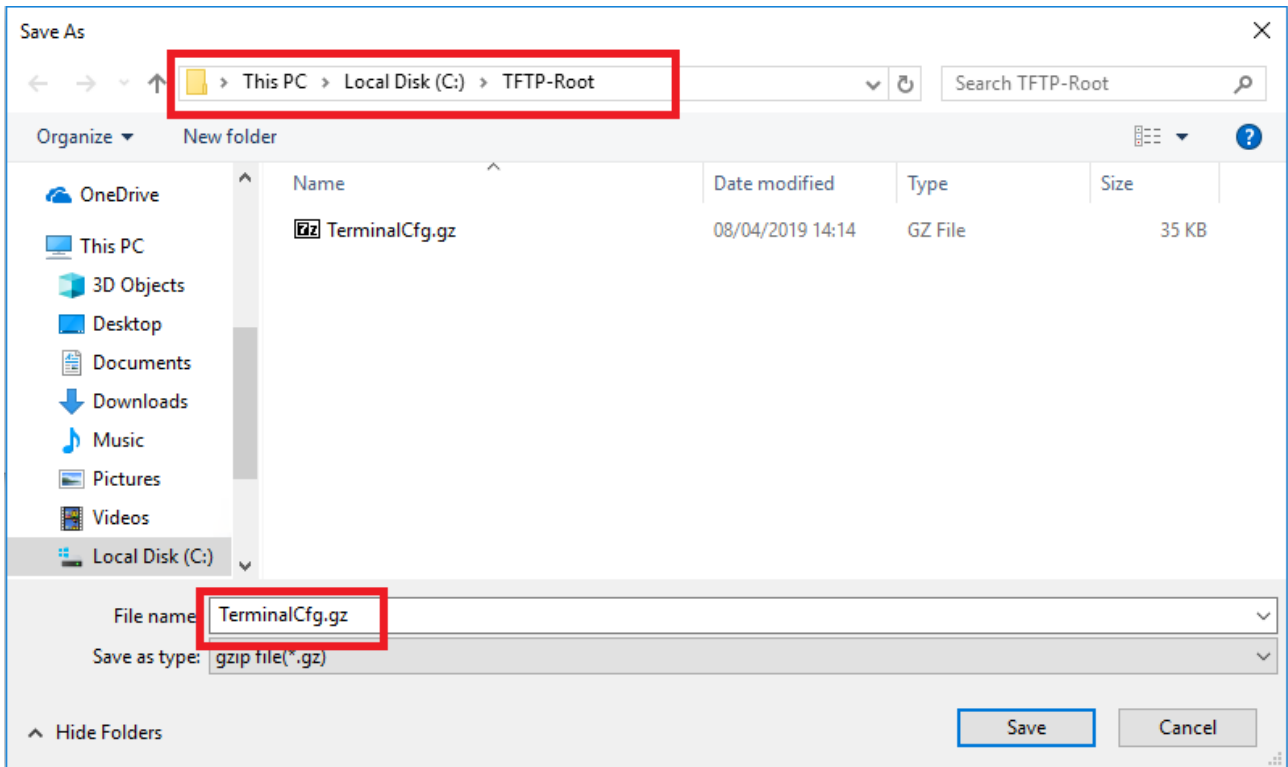
Modify the Security >Push Server >Push Server Access value to Enable All Clients. Ensure that the Parameter Update field is checked.



Then save the file as a 'merge' type

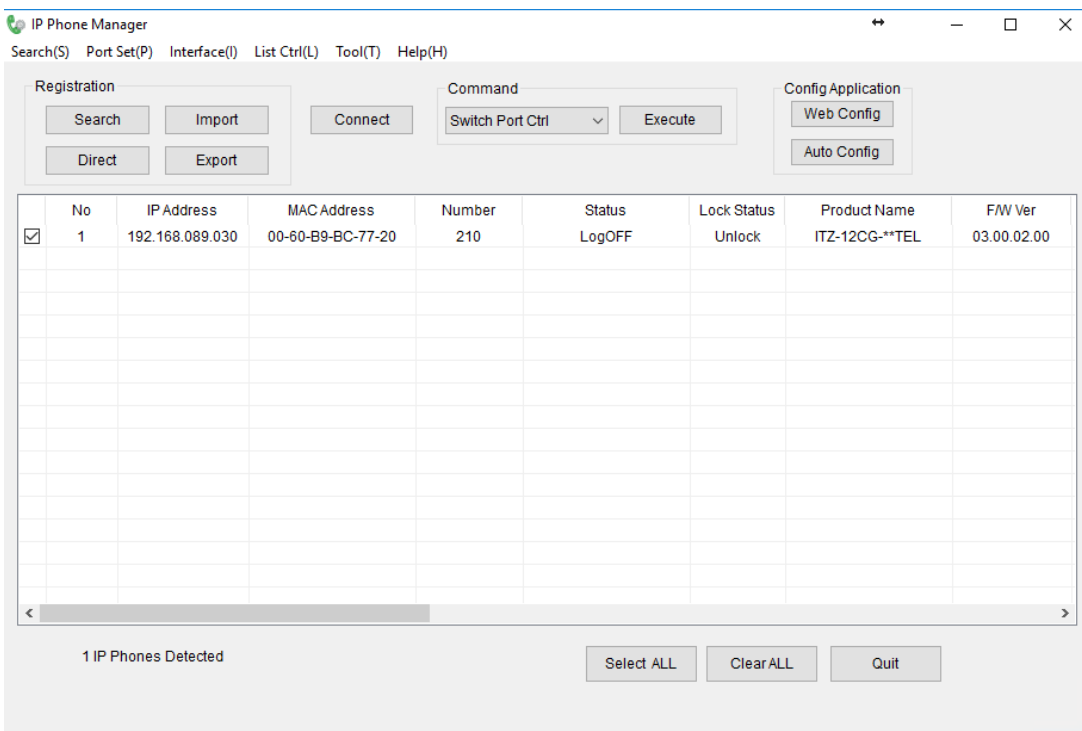


Ensure that the configuration file is saved in in the TFTP root folder. Ensure the filename is **TerminalCfg.gz**.

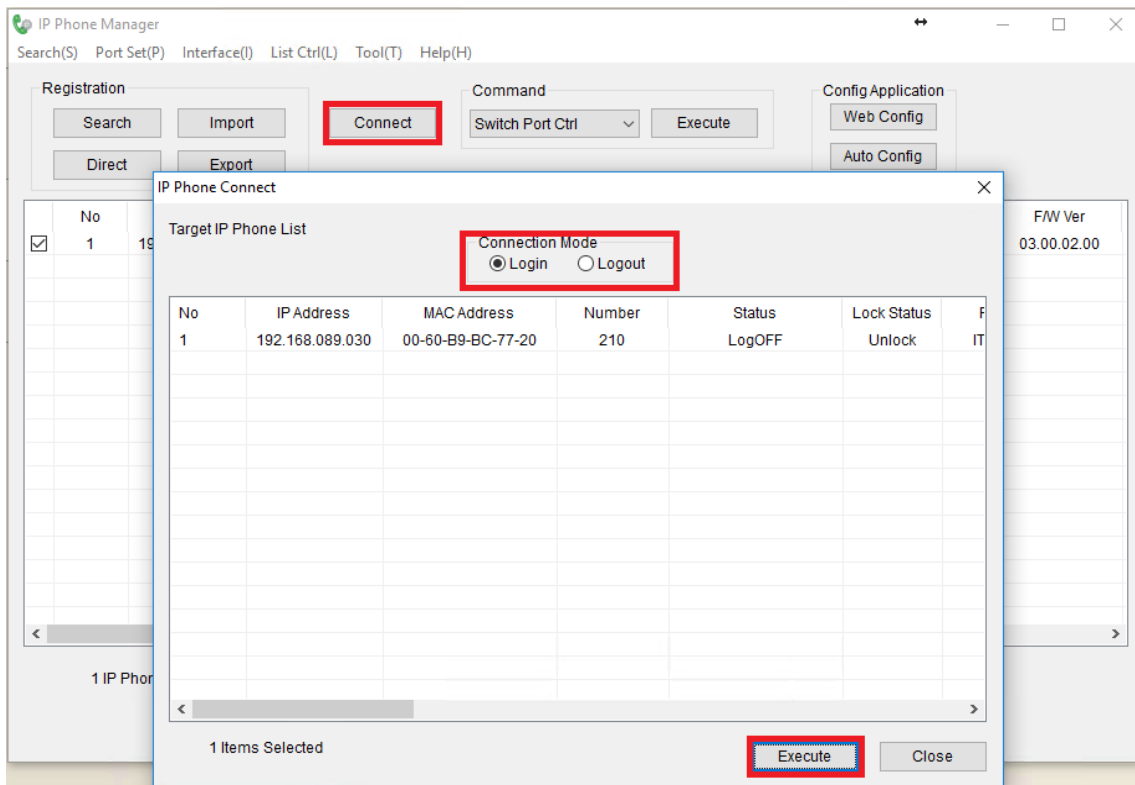


If you do not have a TFTP server application, then SolarWinds TFTP server can be downloaded freely from the internet.

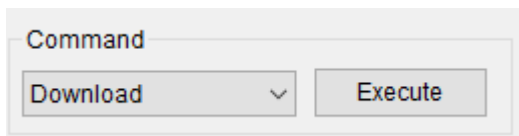
Then find your IP Phones using IPPhone Manager. You can scan the local network, or use the Direct option to find your terminals.



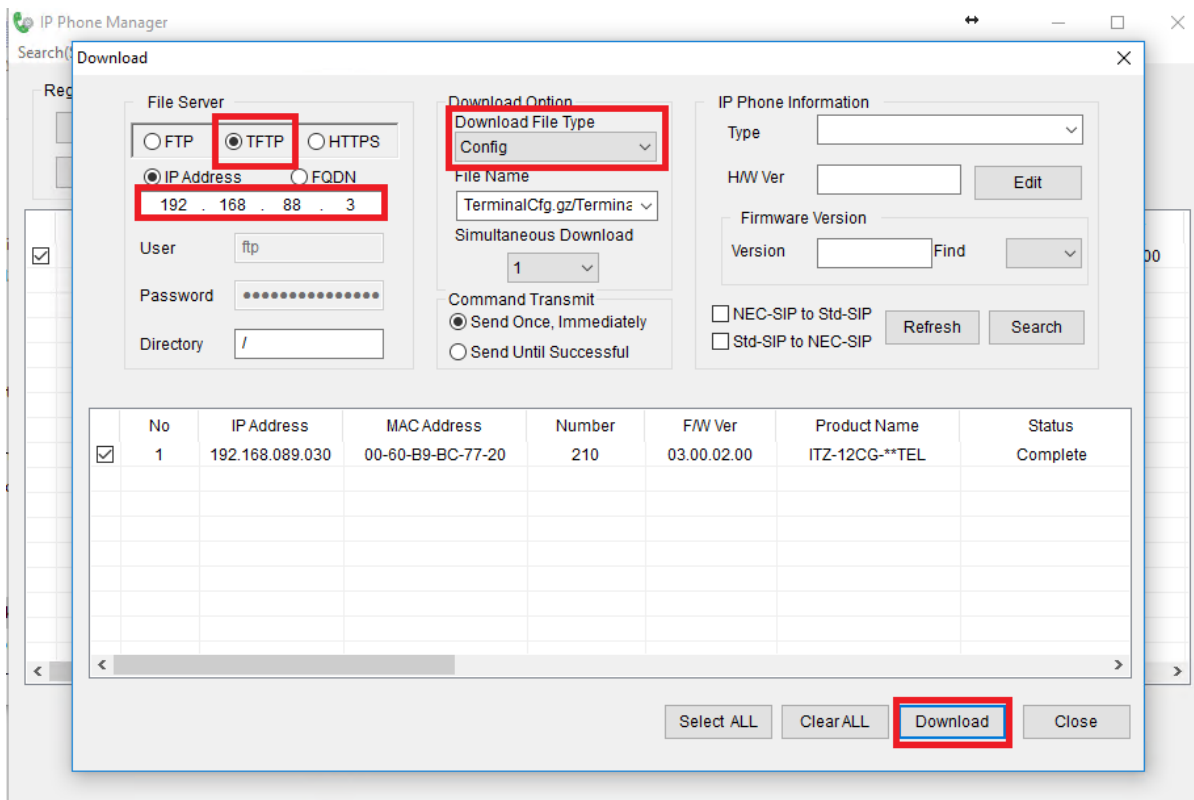
First 'Connect' to the phones

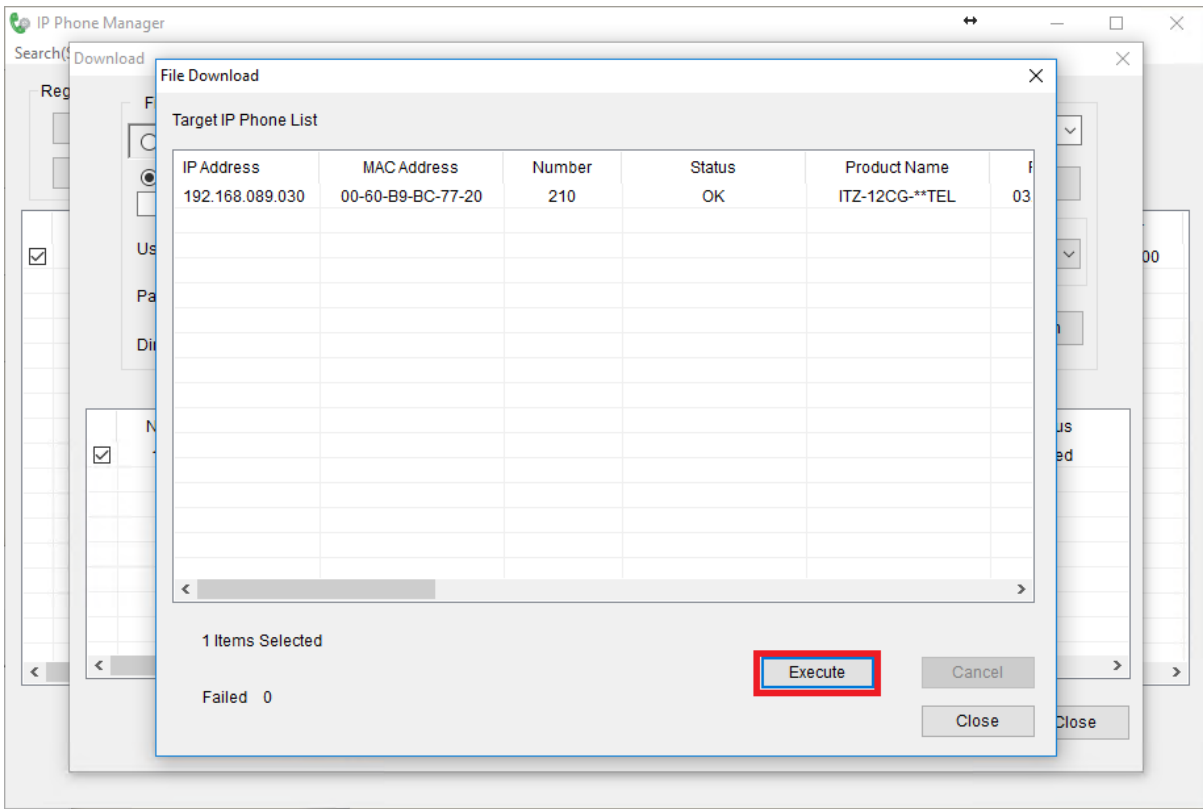


Once the terminal is connected then you can instruct it to download the updated configuration file



Ensure that your TFTP application is running and specific the IP address in IPPhone Manager.





Once completed you will see a summary of the process and the phone will apply the new setting.

Translating the Application

The InSnapshot configuration pages can be translated into another language, there are 3 main steps to translating the application:

- Export the current text from the application to a file.
- Translate the text and save the file. The file that is downloaded is in UTF-8 format, it is important that this file format is maintained, otherwise the translated text will not be displayed properly after it's re-imported.
- Import the translated file.

To export the current text, click Get Texts from the configuration home page and save the file.

Open the file in a text editor, at the top of the file you need to enter the iso639_language and country for the language the file is being translated into. The existing entries are for English language [[en]] and the UK country [[UK]], these should be replaced with the language / country being used. InSnapshot uses these settings for date and number formats.

```
iso639_language = [[en]]; -- change this to your ISO language code
iso639_country  = [[UK]]; -- change this to your ISO country code
```

Example of what these should be changed to can be found at:

[https://msdn.microsoft.com/en-gb/library/ee825488\(v=cs.20\).aspx](https://msdn.microsoft.com/en-gb/library/ee825488(v=cs.20).aspx).

If German – Germany is being used then the settings should be:

```
iso639_language = [[de]]; -- change this to your ISO language code
iso639_country  = [[DE]]; -- change this to your ISO country code
```

If French – France was being used then the settings should be:

```
iso639_language = [[fr]]; -- change this to your ISO language code
iso639_country  = [[FR]]; -- change this to your ISO country code
```

After the ISO language and country codes have been entered, there are a series of abbreviations / single words that need to be translated. The text in the single square brackets ["at"] should not be changed as this is used by the application. The text between the two sets of square brackets [[Timestamp]] should be replaced with the translated text. The first set abbreviates that look like this:

```
["at"] = [[Timestamp]];
["tm"] = [[Time and Date]];
["da"] = [[Date]];
["ti"] = [[Time]];
["rd"] = [[Ringing Duration]];
["du"] = [[Duration]];
```

Would be replaced with translated text like this:

```
["at"] = [[Horodatage]];
["tm"] = [[Date et Heure]];
["da"] = [[Date]];
["ti"] = [[Heure]];
["rd"] = [[Duree sonnerie]];
["du"] = [[Duree]];
```

Once you reach the area of the file that shows the words -- new texts then this part onwards is translating longer sentences called strings.

```
--  
-- new texts  
--
```

Each translatable string first shows the English text surrounded by a single set of square brackets, for example: [Some Text] . Directly below is another line showing the same text surrounded by two sets of square brackets, for example [[Some Text]] . Only the text surrounded by two sets of square brackets should be translated, the other text should be left in English. The image below shows 2 example of translations, the English text appears first and the text below is the translated text highlighted in a green box.

```
["Year number of the timestamp"]=  
[[ Nombre annee pour Horodatage ]];  
["Yesterday"]=  
[[ Hier ]];
```

Any text that that appears between curly braces, for example {filename} should not be translated as this is used by the application. Some of the text will contain the characters \\n , this shouldn't be translated either. An example of this is shown below, the translated text is highlighted in the green boxes. The text {filename} that is highlighted in red isn't translated. The text \\n isn't translated or removed, it remain in both the English and translated entries.

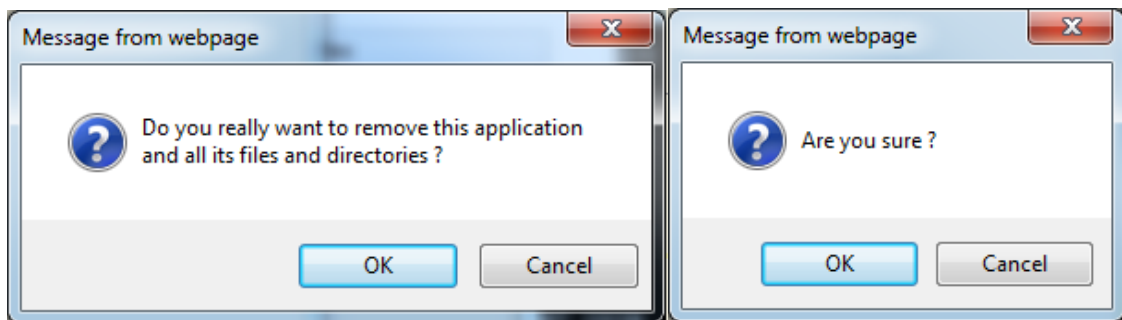
```
["You are about to upload the file {filename} as new InReports configuration\\nContinue ?"]=  
[[ Vous etes sur le point de charger le fichier {filename} comme nouvelle configuration InReports\\nContinuer ? ]];
```

Un-installing InSnapshot

Before Un-Installing InSnapshot you should understand that when the application is un-installed that the existing configuration is removed. To keep this data you should perform a backup before removing the application. To remove the application, go to the application manager and stop InSnapshot.

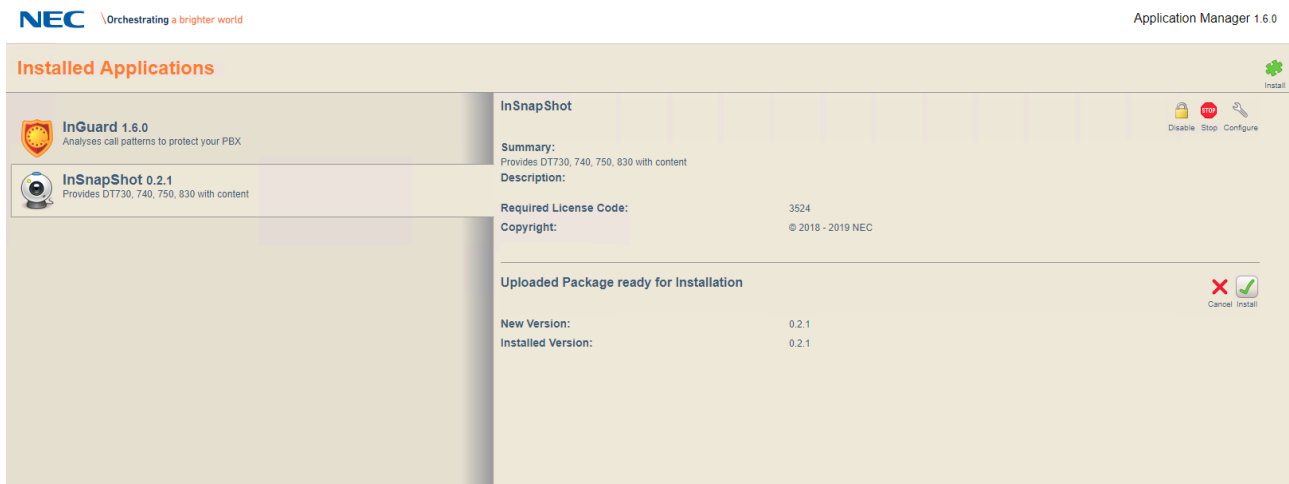


Once the application has stopped then click Remove and confirm twice that you wish to remove the application.



Upgrading InSnapshot

Before upgrading InSnapshot you should note the current version that is installed and take a backup of the configuration. The existing configuration will automatically be available after the upgrade. To upgrade InSnapshot, you install the new version over the top of the old version. Click the install button to proceed with the upgrade.



The upgrade can take around 1 minute.

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8.5. If any part of this Agreement is found void and unenforceable, it will not affect the validity of the balance of the Agreement, which shall remain valid and enforceable according to its terms.

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