



Version 4

Create Powerful Data Collection
Solutions - Simply and Easily

ITScriptNet Indago Runtime User Guide



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Part



1 Introduction

Welcome to ITScriptNet® Indago, the easy-to-use software that allows you to quickly and easily create data collection solutions for mobile computers. ITScriptNet Indago is designed to be easy-to-use, yet powerful enough to support the most sophisticated applications.

ITScriptNet supports a variety of mobile computers. For a complete listing of supported devices, please refer to our web site <http://www.z-space.com>.

1.1 Software License Agreement

READ THIS BEFORE USING THE NOTED PROGRAMS

Thank you for selecting ITScriptNet® from BCA Innovations, LLC (“BCAI”). Please read the following License Agreement below before registering the serial number. If you do not accept these terms, return the product unregistered with proof of purchase to the point of purchase for a complete refund. Only if you accept these terms should you register the software.

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YOU MAY:

For PC-Based Licenses:

1. *Load and use* the software on any computer as long as it is used on only one computer by one user at a time. The software serial number can only be registered once on a single computer. The license cannot be shared over a network. If more than one computer requires the use of the software, then additional license fees will be required for each computer.
2. *Communicate* with the Remote Host Server (ITScriptNet® OMNI™ Server) residing on the host computer with only the number of terminals as there are terminal licenses registered on the host computer. Additional terminal licenses can be purchased and added to the host computer to increase the number of terminals that can be configured to communicate with the host computer. Communication by a terminal with the host computer can be carried by a network and does not violate item 1) above. [This Provision applies to the ITScriptNet® OMNI™ edition only.]
3. *Move* a registered license from one computer to another by unregistering the license from the licensed computer via the method provided in the software, then re-registering the license on a different computer. Compliance with paragraph 1 (Load and Use) above must be maintained. There are no restrictions as to the number of times a license can be registered and unregistered.

For Device-Based Licenses:

4. *Load and Use* the Runtime communication software on any number of computers without needing a PC-based license.
5. *License* each device that will be communicating with a computer. Each device license can be registered on a single terminal. Once registered on a terminal, a Device License cannot be removed or assigned to a different terminal. A terminal with a Device License can communicate with any computer running the Runtime communication software.

For All Licenses:

6. *Copy* the software for back-up purposes only. You may make up to three (3) copies of the software for backup purposes. All copies must contain the copyright notice printed on the label of the media containing the original copy of the software.
7. *Transfer* the software and license permanently to another person if that person agrees to accept all of the terms and conditions of this Agreement. If you transfer the software, you must at the same time either transfer all copies of the software to the same person or destroy any copies not transferred.
8. *Terminate* this license by destroying the original and all copies of the software in whatever form.

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3. Copy, alter, translate, decompile, or reverse engineer the software, including but not limited to, modify the software to make it operate on non-compatible hardware.
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What is covered?

BCAI warrants to the original customer that (i) the files that comprise the delivery of the software are free from defects in materials and workmanship under normal use, and (ii) the software will perform substantially in accordance with the provided User Guide, if any, or the custom proposal. EXCEPT AS SPECIFIED IN THIS PARAGRAPH, THERE ARE NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND THE PROGRAMS, DOCUMENTATION AND OTHER FILES ARE PROVIDED "AS IS."
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This Limited Warranty continues for sixty (60) days from the date of delivery of the software to the original customer ("Warranty Period").

What will BCAI do?

1. BCAI will replace any files which prove defective in materials or workmanship, if you notify BCAI during the Warranty Period with a dated proof of purchase.
2. BCAI will, at its option, either replace the files or correct any software that does not perform substantially in accordance with the provided User Guide or custom proposal if, during the Warranty Period, (i) you notify BCAI in writing of any claimed defects in the software, (ii) and BCAI is able to duplicate the defects on its computer system.
3. If BCAI is unable to replace a defective file or if BCAI is unable to provide corrected software within a reasonable time, BCAI will, at its option, either replace the software with functionally equivalent software or refund the license fees paid by you. THESE ARE YOUR SOLE AND EXCLUSIVE REMEDIES for any and all claims that you may have against BCAI arising out of or in connection with this product, whether made or suffered by you or another person and whether based in contract or tort.
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1. Because it is impossible for BCAI to know the purposes for which you acquired this software or the uses to which you will put this software, you assume full responsibility for the selection of the software, and for its installation and use and the results of that use.
2. While every reasonable effort has been made to insure that you will receive software that you can use and enjoy, BCAI does not warrant that the functions of the software will meet your requirements or that the

operation of the software will be uninterrupted or error free. Due to the complex nature of computer programs, the programs in this package (like all large programs) will probably never be completely error free.

3. This Limited Warranty does not cover any file which has been the subject of abuse or damages, nor does it cover any software which has been altered or changed by anyone other than BCI.

4. BCI is not responsible for problems caused by changes in the operating characteristics of the hardware or operating system software you are using which are made after the release date of this version of ITScriptNet with any other software.

5. You agree to comply with all applicable international and national laws that apply to the products as well as end-user, end-use and destination restrictions issued by governments.

6. If the SOFTWARE is labeled as an upgrade, you must be properly licensed to use a product identified by BCI

as being eligible for the upgrade in order to use the software. Software labeled as an upgrade replaces and will disable the original software which was initially loaded on the computer. After upgrading, you may no longer use the software that formed the basis for your upgrade eligibility. You may use the resulting upgraded product only in accordance with the terms of this license agreement and only with a computer that has also registered the original software.

7. This agreement constitutes the entire agreement between you and BCI and supersedes any prior understandings and agreements, either oral or written. It shall be interpreted under the laws of the State of Florida.

8. This warranty gives you specific rights and you may also have other rights which vary from state to state.

9. No action for breach of warranty may be commenced more than one (1) year following the expiration date of the above Limited Warranty.

Should you have any questions concerning this Agreement, you may contact BCI by writing to BCI Innovations, LLC, 8813 NW 23rd Street, Miami, FL 33172.

1.2 Technical Support

If you need technical support on this product, please contact your reseller or hardware manufacturer.

You can also access technical support at <http://www.z-space.com>, or by emailing support@z-space.com, or by calling (440) 899-7370 between the hours of 9:00 a.m. to 5:00 p.m. EST.

ITScriptNet Web Site

<http://www.z-space.com>

ITScriptNet Knowledge Base

<http://www.z-space.com/kb>

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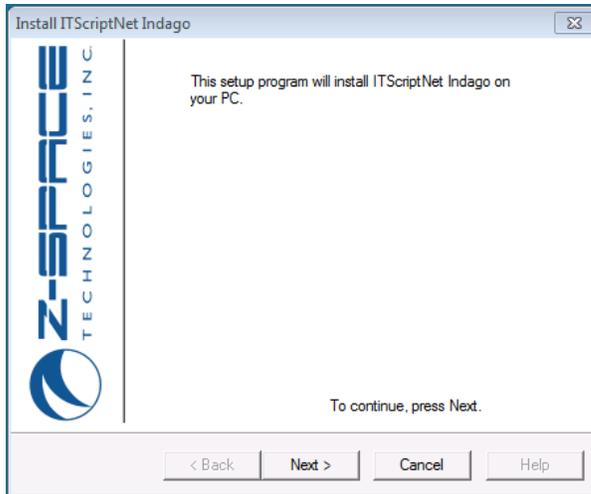
Part



2 Installation

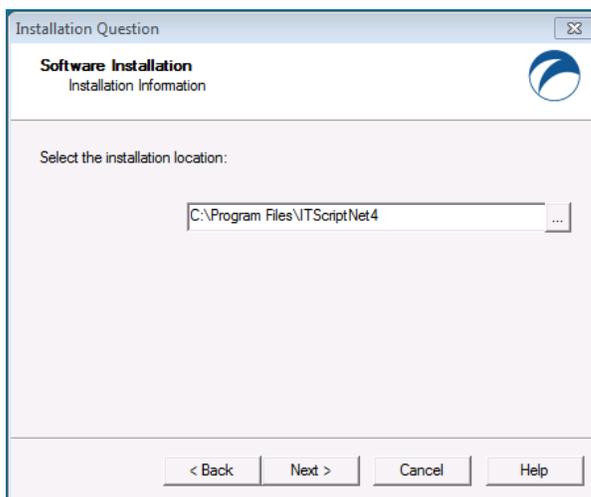
The ITScriptNet® Indago Runtime is available in both 32-bit and 64-bit versions. If your PC is 32-bit, you must install the 32-bit version. However, if your PC is 64-bit, you can install either the 32-bit or 64-bit version, depending on your needs.

Begin the installation by running the appropriate installation program, downloaded from our website. The first screen of the installation program will be shown.



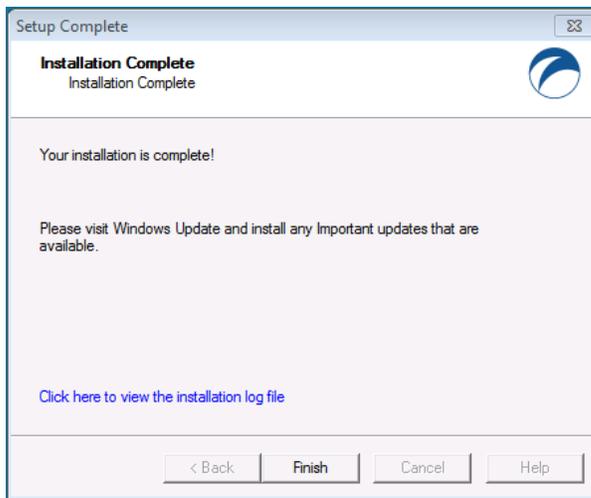
Installation Program

Press Next to continue. You can change the installation location, but we recommend that you leave this at the default. Press Next to continue.



Select Installation Location

The software will be installed. When complete, the following screen will be displayed. Press Finish to exit the installation.



Installation Complete

A shortcut will be created on your desktop for the ITScriptNet Indago System Console.



The System Console is your portal to configure, license, and run all of the functionality of ITScriptNet.

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3 Concepts

This topic discussed some of the basic concepts behind the ITScriptNet Indago system.

Clients and Servers

ITScriptNet Indago is divided into two parts:

- 1) The Client software that runs on a Mobile Computer. This software runs your Data Collection Program and presents prompts to the users.
- 2) The OMNI Server software that runs on a PC and manages all communications. This software is the interface between the Mobile Computer and any back-end databases. The OMNI Server is responsible for generating validation files and for processing collected data.

OMNI Server Types

The OMNI Server can be run in any one of three ways.

- 1) The PC Application version. This type is a regular PC Program that you can run like any other PC program. The program can be closed to the System Tray and stay running. This type requires that a user account is logged into the PC.
- 2) The Windows Server version. This type runs as long as the PC is powered on, regardless of whether anyone is logged into the PC or not. This type is generally used on a Server as opposed to a workstation PC.
- 3) The Web Service version. The OMNI Server is available as an ASP.Net web application that can be installed on a server running IIS. This version has web-based management tools. Note: Full Trust is required for the IIS Omni Server to work.

32-bit and 64-bit versions

The OMNI Server runtime is available in both 32-bit and 64-bit versions. The 32-bit version is required on 32-bit Windows, and either version can be used on 64-bit Windows. Some database drivers are only available in 32-bit versions and may require the 32-bit runtime even on a 64-bit PC.

Licenses and Demo Mode

Each serial number activates a certain number of mobile computers. Without a license, the OMNI Server runs in Demo mode, which allows one Mobile Computer to connect to one Data Collection program for 30 minutes.

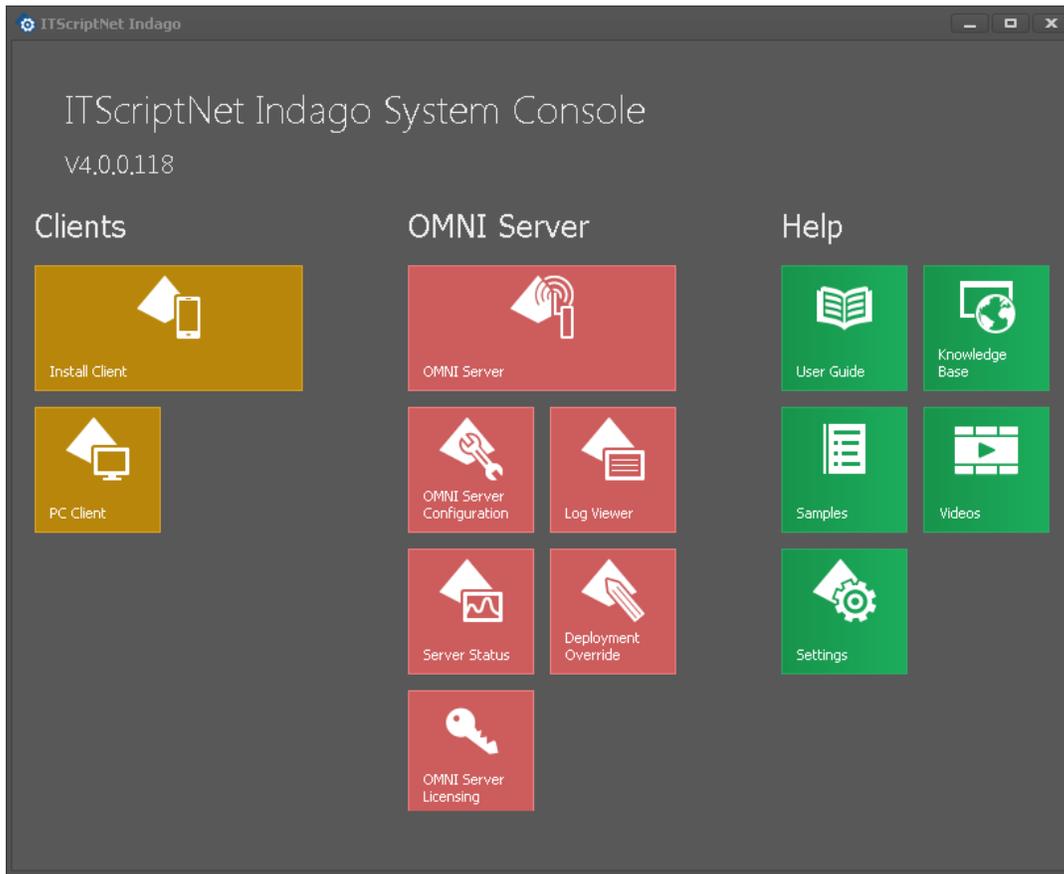
ITScriptNet Indago Runtime User Guide

Part



4 System Console

The ITScriptNet® Indago System Console is the way you will interact with the features the system, including Licensing and Configuration. When you run the System Console, you will be presented with the main application screen.

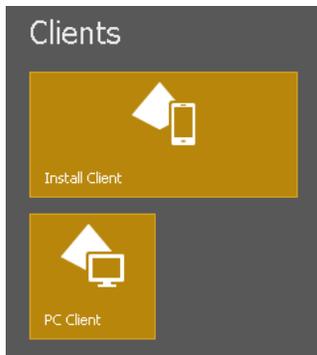


ITScriptNet Indago System Console

The screen consists of a number of Tiles, each corresponding to a feature of the software. Click the desired tile to access that feature.

4.1 Clients

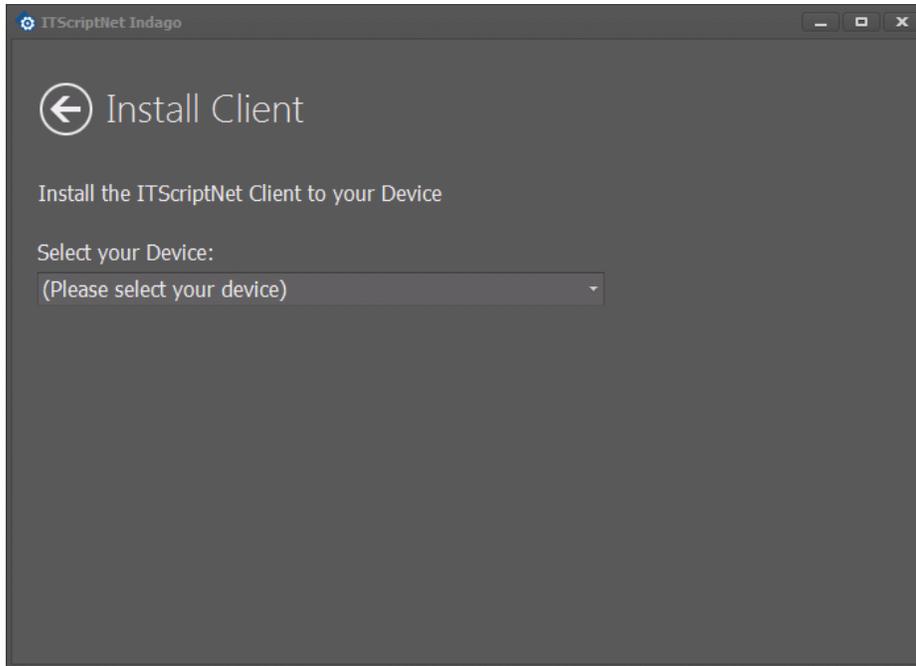
This group of tiles contains items related to Mobile Computer Clients.



Clients Group

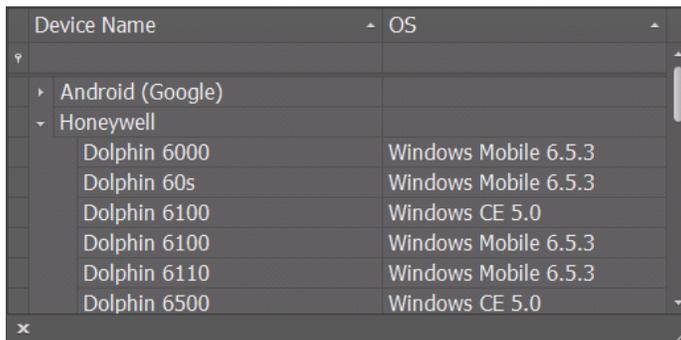
4.1.1 Install Client

This screen assists you in installing the Client software on your Mobile Computer.



Install Client

To begin, drop down the Device Type control and select the client that corresponds to your device. Clients are grouped by Manufacturer.



Select Device

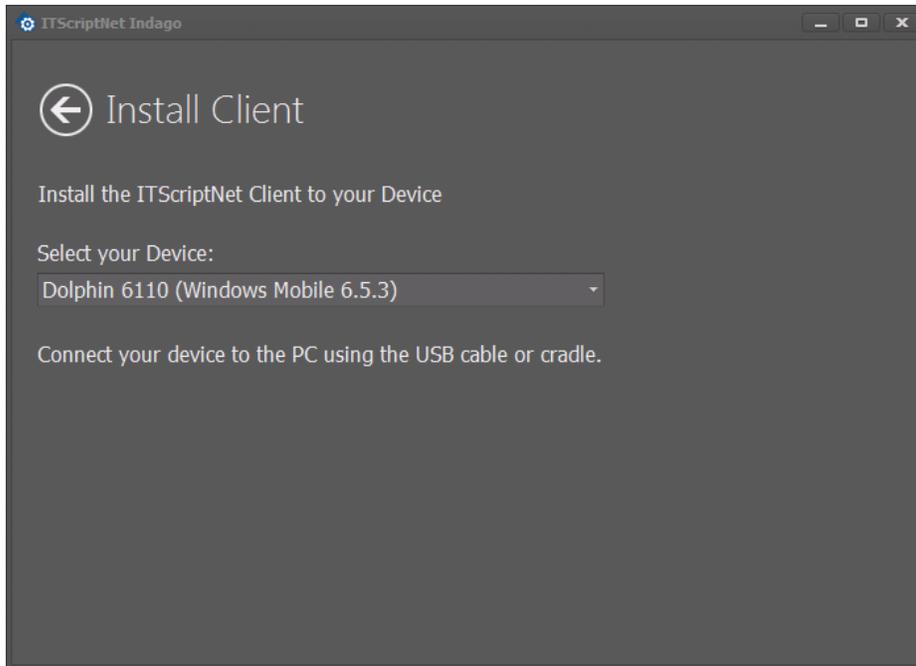
Once you select the device that matches your hardware, you will see additional instructions for installing the client software.

4.1.1.1 Windows Mobile / Windows CE

The ITScriptNet® Indago System Console can automatically install the Client software on a Windows Mobile or Windows CE device that is connected using the Windows Mobile Device Center (WMDC).

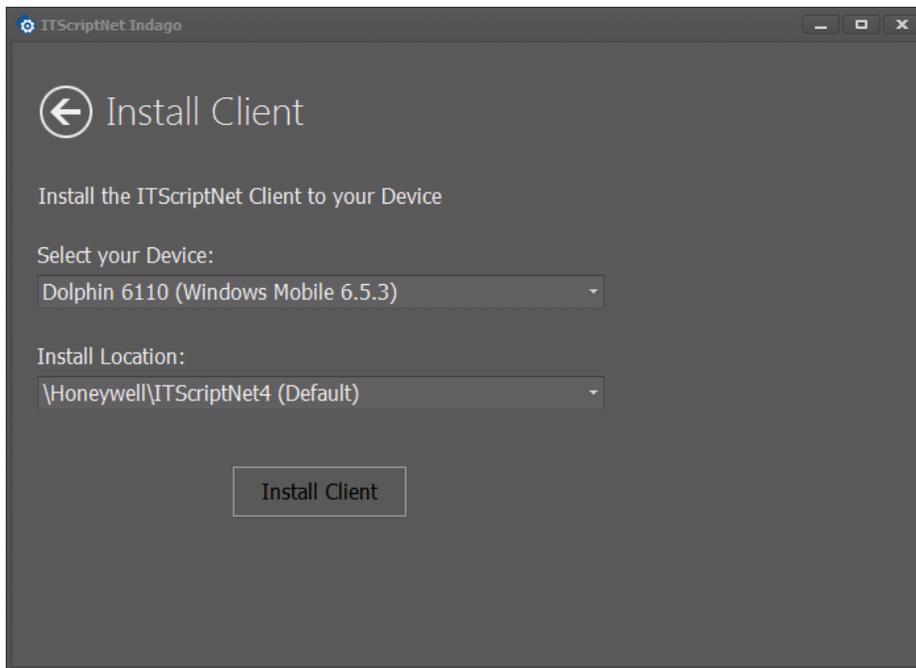
The first time you connect the mobile computer to your PC with a USB cable, Windows should automatically install WMDC.

If your Mobile Computer does not have an active WMDC connection to a device, the Install Client screen will display a message indicating that.



No mobile computer connected

Once the mobile computer is connected, the Install Client screen will present a list of the valid installation locations on the mobile computer. You should generally accept the default location unless you have been told by our support staff to change it.



Select Install Location

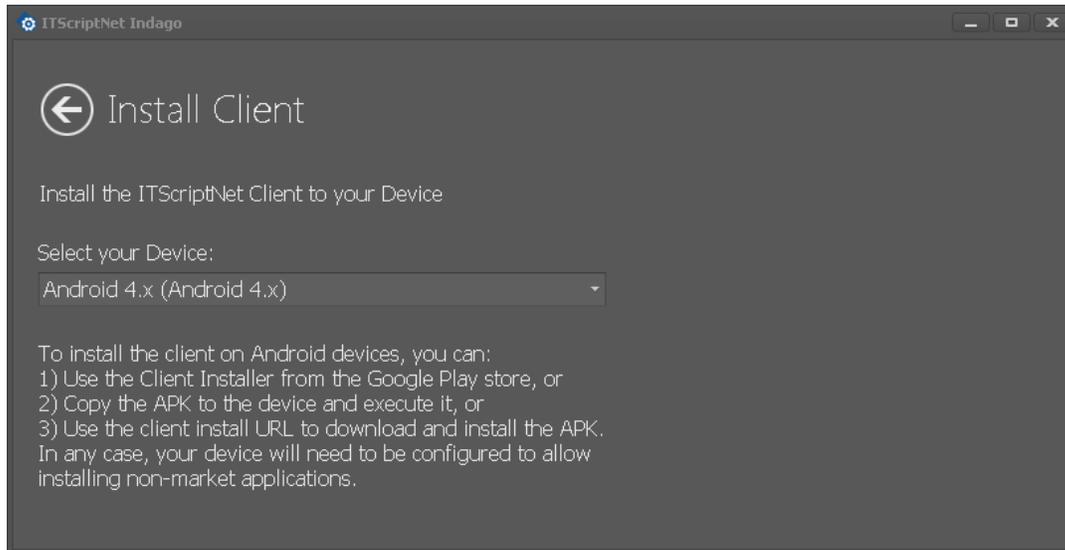
Press the Install Client button to copy the client software files to your mobile computer. This will also install the Microsoft Compact Framework (if necessary) and create a shortcut on the Start Menu (Windows Mobile) or Desktop (Windows CE).



Shortcut on Windows Mobile

4.1.1.2 Android

The ITScriptNet® Indago System Console cannot directly install the client software on an Android device, due to Android security restrictions. Therefore the installation on Android requires some manual steps. There are several ways to install the client on Android.

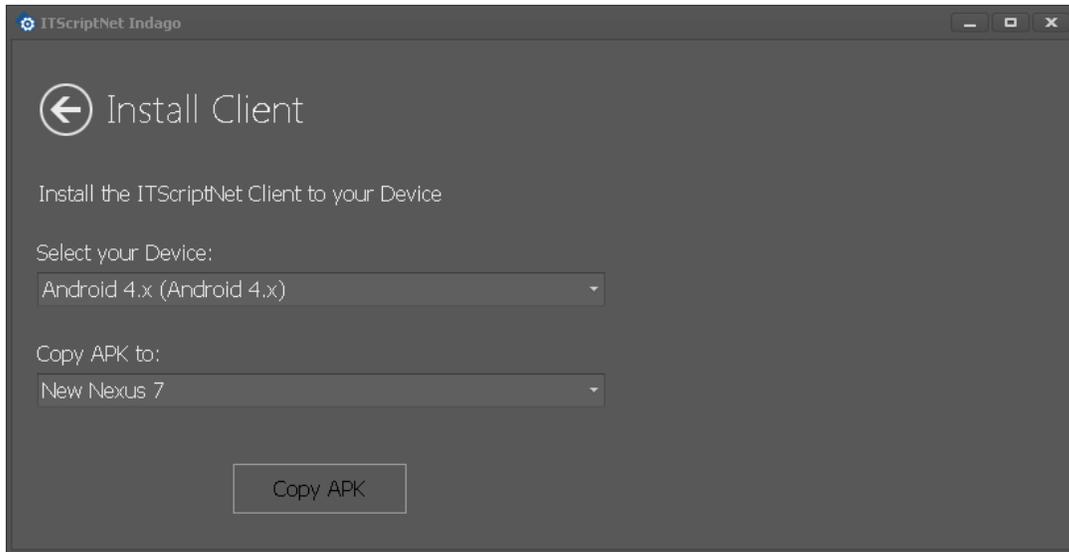


Default Android Installation

When you select an Android device from the device list, you will see the instructions for the possible installation methods. These include:

- Using the ITScriptNet Indago Client Installer application from the Google Play store. You can install this helper app from the Play Store and then use it to connect to your OMNI Server to download and install the client.
- You can manually copy the ITScriptNet Indago installation APK to the device and use a File Manager to execute and install it.
- If you have printed the client installer QR Code from the [OMNI Server Configuration](#) and you have a QR Code reader on your device, you can use it to download and install the client.

If you have connected your device to the PC via USB, the System Console can copy the APK to the root of the External Storage.

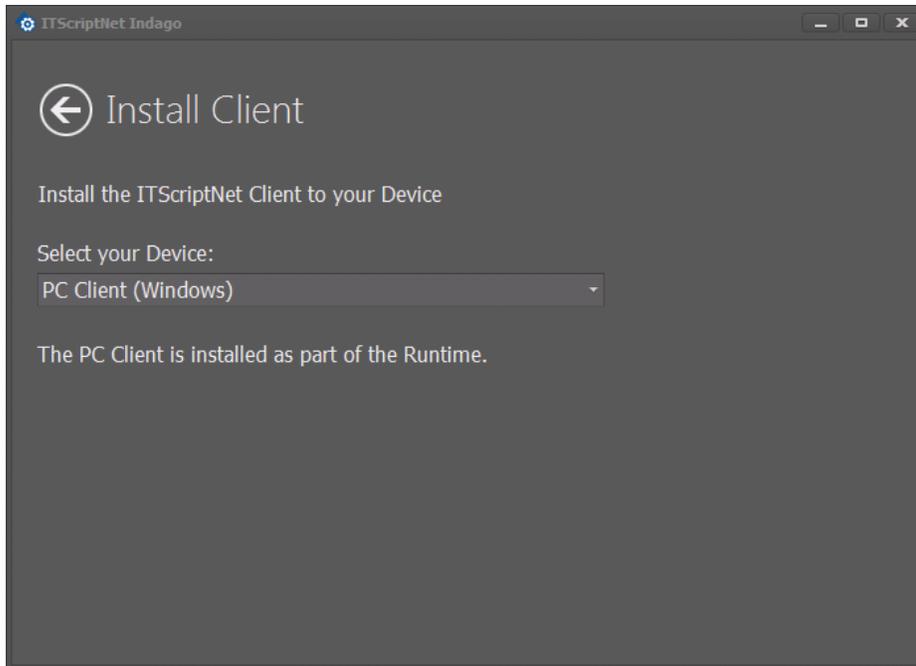


Copy the APK to the device

Press the Copy APK button to send the APK installer to the device. Then all you need to do is use a File Manager to execute and install the client.

4.1.1.3 PC Client

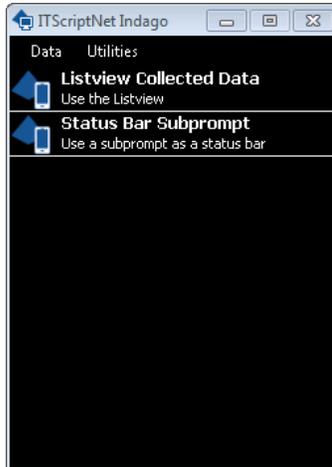
The ITScriptNet® Indago PC Client does not get installed from the System Console. Instead, install the Runtime software on the client PC, or simply copy the files from the PC Client folder to the client PC.



PC Client selection

4.1.2 PC Client

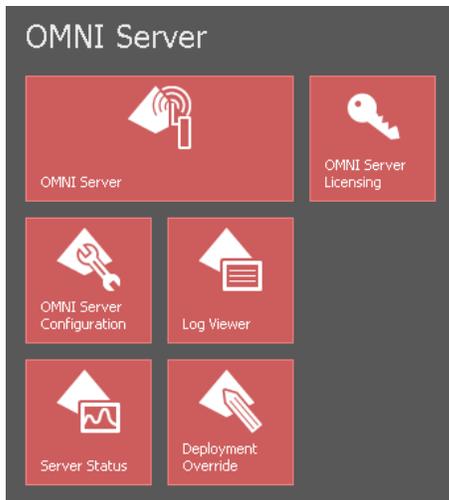
This option launches the PC Client. For more information on the PC Client, refer to the Client documentation in this document.



PC Client Application

4.2 OMNI Server

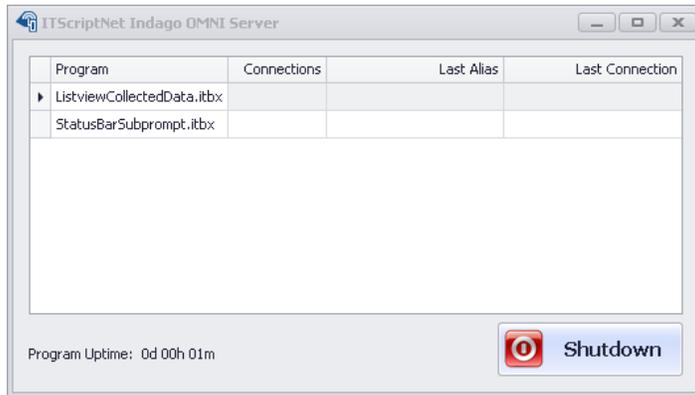
This group of tiles contains items related to the OMNI Server and its configuration.



OMNI Server tiles

4.2.1 OMNI Server

The OMNI Server tile launches the PC Application version of the OMNI Server. This is the version that has a status window, but requires the PC to have a user logged in. If you need to OMNI Server to stay running even if no one is logged on the PC, then use the Service version.



OMNI Server Application

The window shows the list of programs that have been configured, and the number of times that mobile computers have connected to each.

Clicking the [X] button minimizes the program to the System Tray, but leaves the server running. To restore the screen, locate the icon in the System Tray, and double-click it.



System Tray

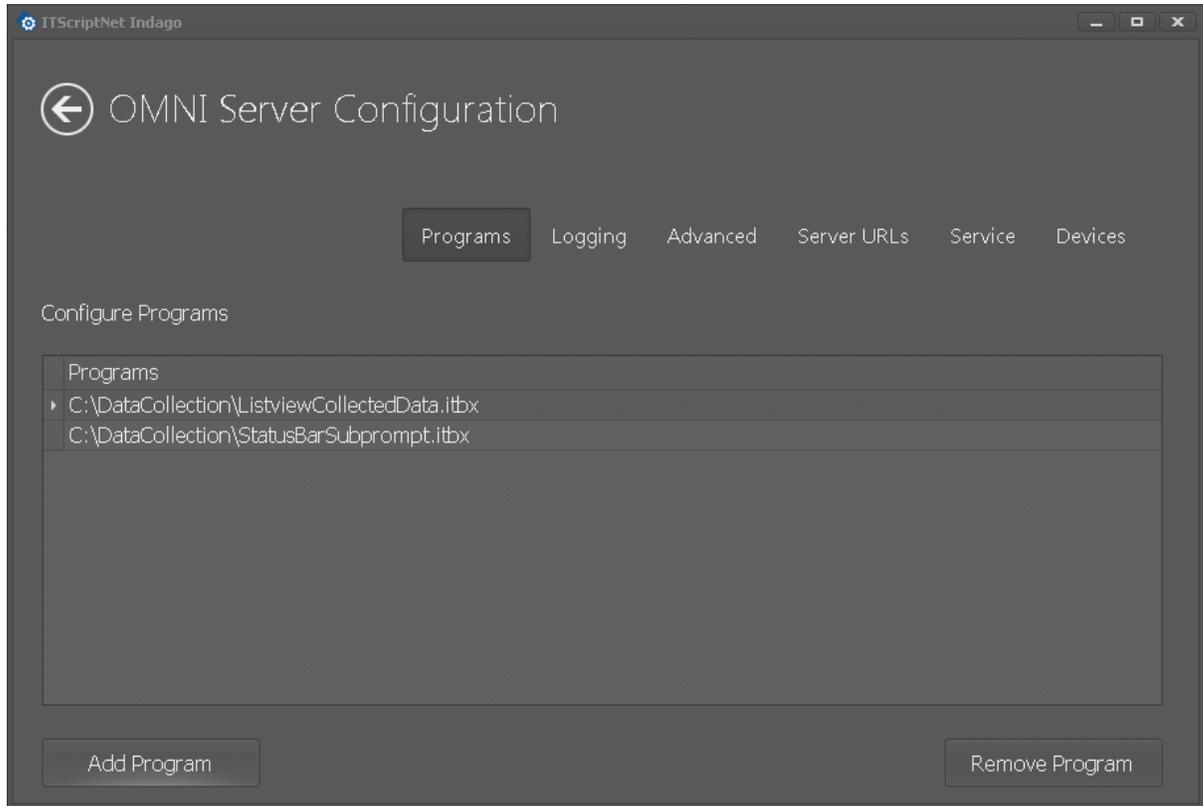
To exit the server completely, press the Shutdown button.

4.2.2 OMNI Server Configuration

Enter topic text here.

4.2.2.1 Programs

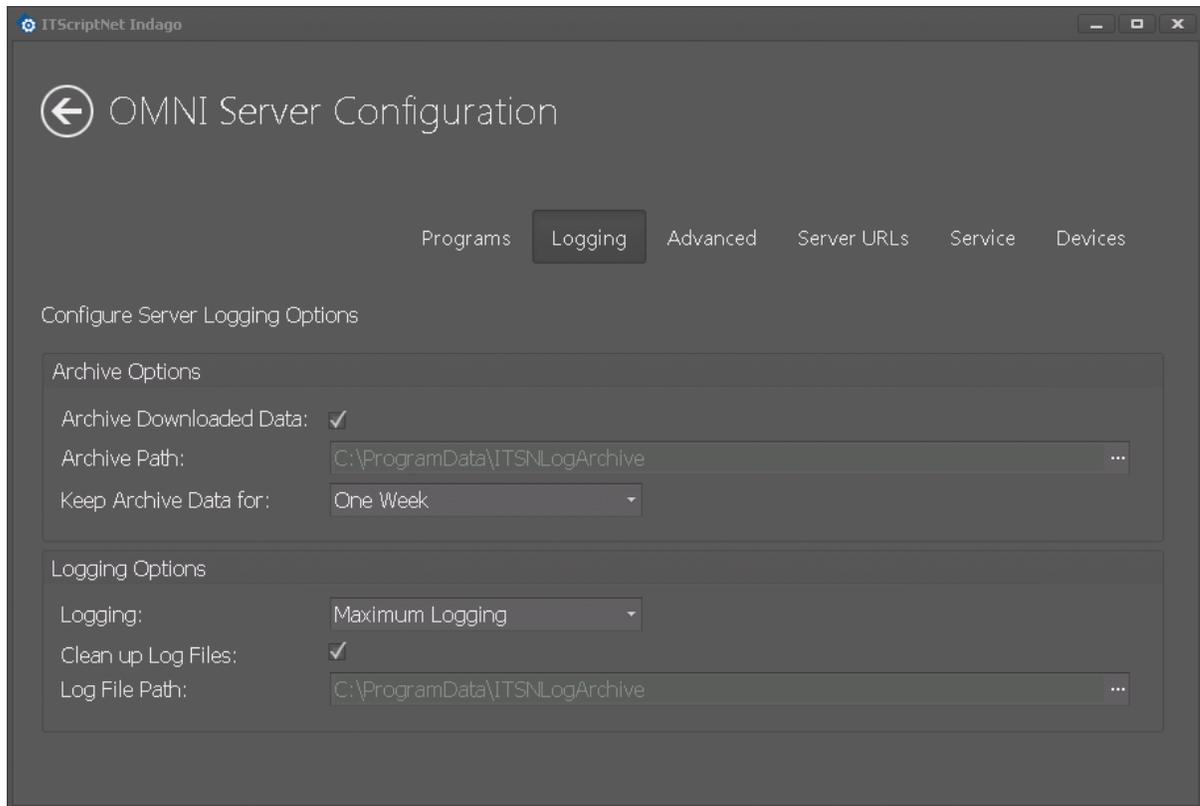
This screen is where you configure the Data Collection programs that your OMNI server can use.



Programs

4.2.2.2 Logging

The Logging screen allows you to configure both the Logging and Archiving features of the OMNI Server.



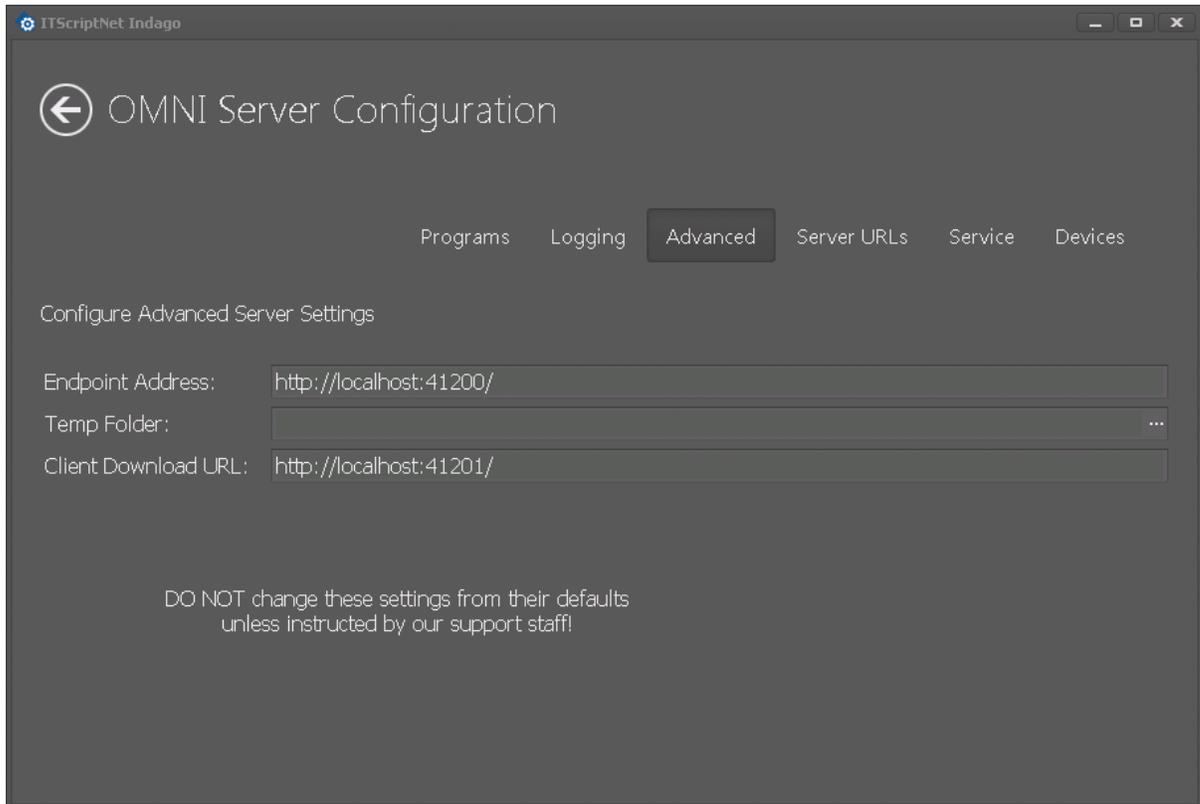
Logging and Archiving

The Archiving option enables the OMNI Server to save an archived copy of all downloaded Collected Data. This OMNI Server can delete the archived data based on age.

The Logging option enables the OMNI Server to write troubleshooting logs. The OMNI Server can delete older logs based on age.

4.2.2.3 Advanced

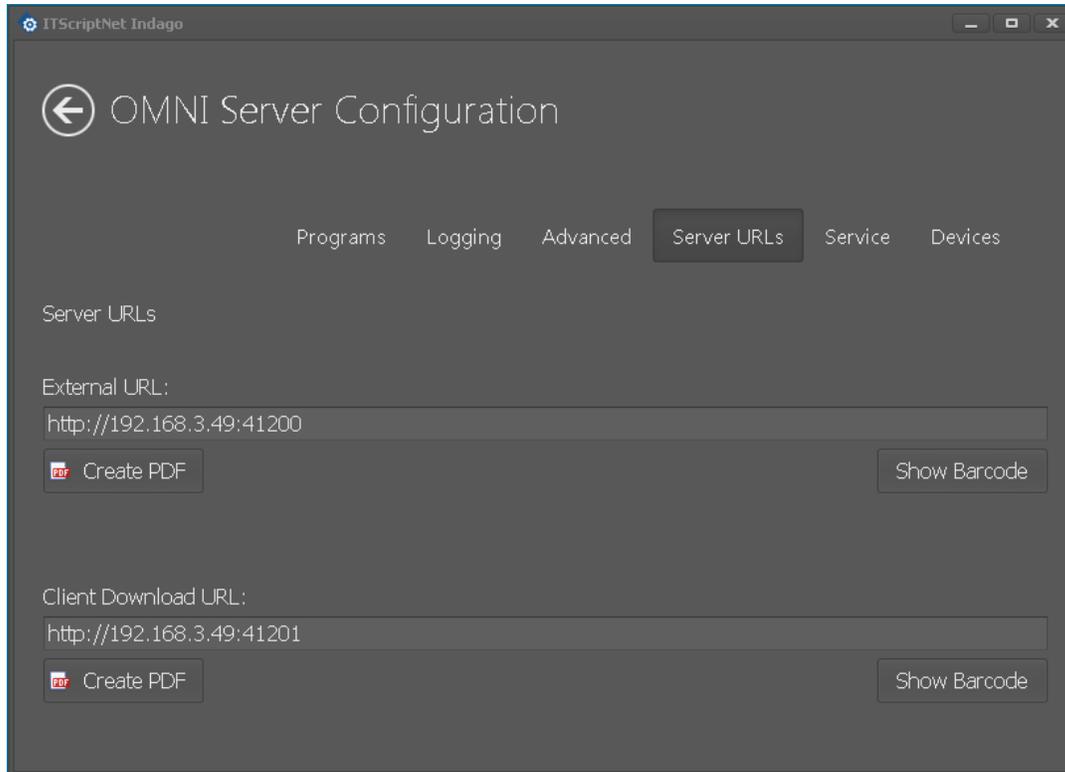
The Advanced screen can be used to make changes to the IP Address and Upload paths for the OMNI Server. These settings should never be changes unless specifically directed by our support staff. Otherwise leave these settings at their defaults.



Advanced Settings

4.2.2.4 Server URLs

This screen is used to create barcodes that you can use to simplify configuration of your client devices.

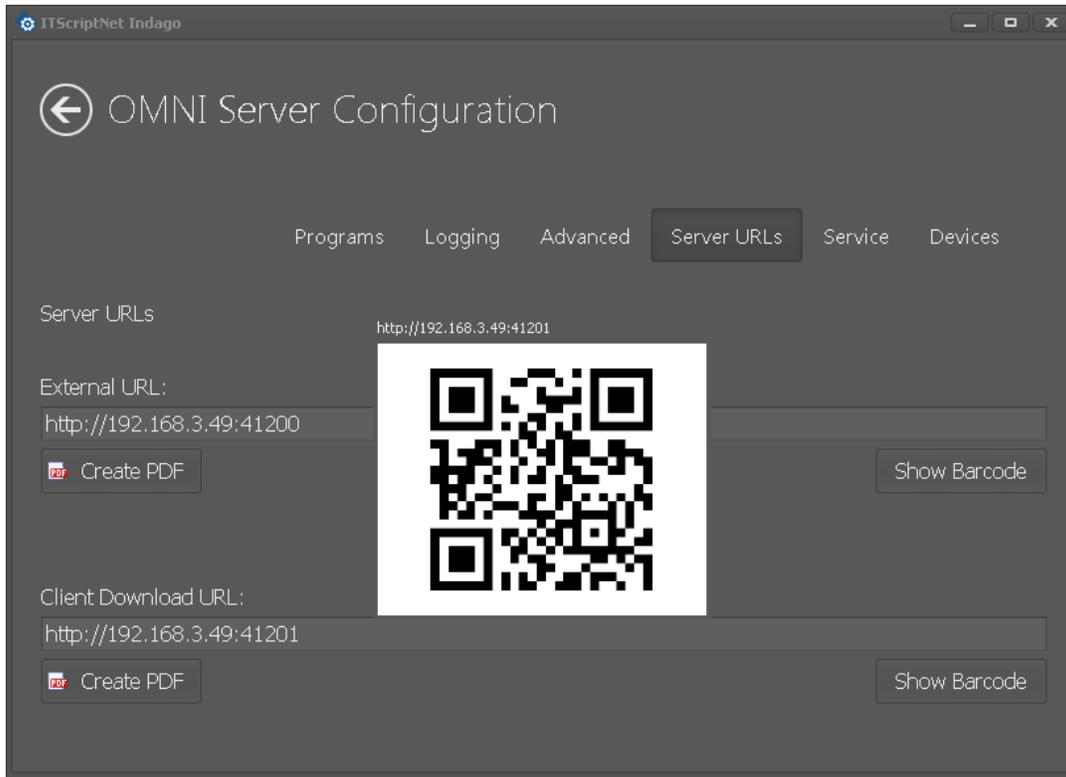


Server URLs

The External URL is the address that clients will use to connect to the OMNI Server. You might need to change this address if the client uses a DNS name or machine name instead of direct IP Address for your OMNI Server.

The Client Download URL is the address that clients can use to download and install the client from the OMNI Server. You might need to change this address if the client uses a DNS name or machine name instead of direct IP Address for your OMNI Server.

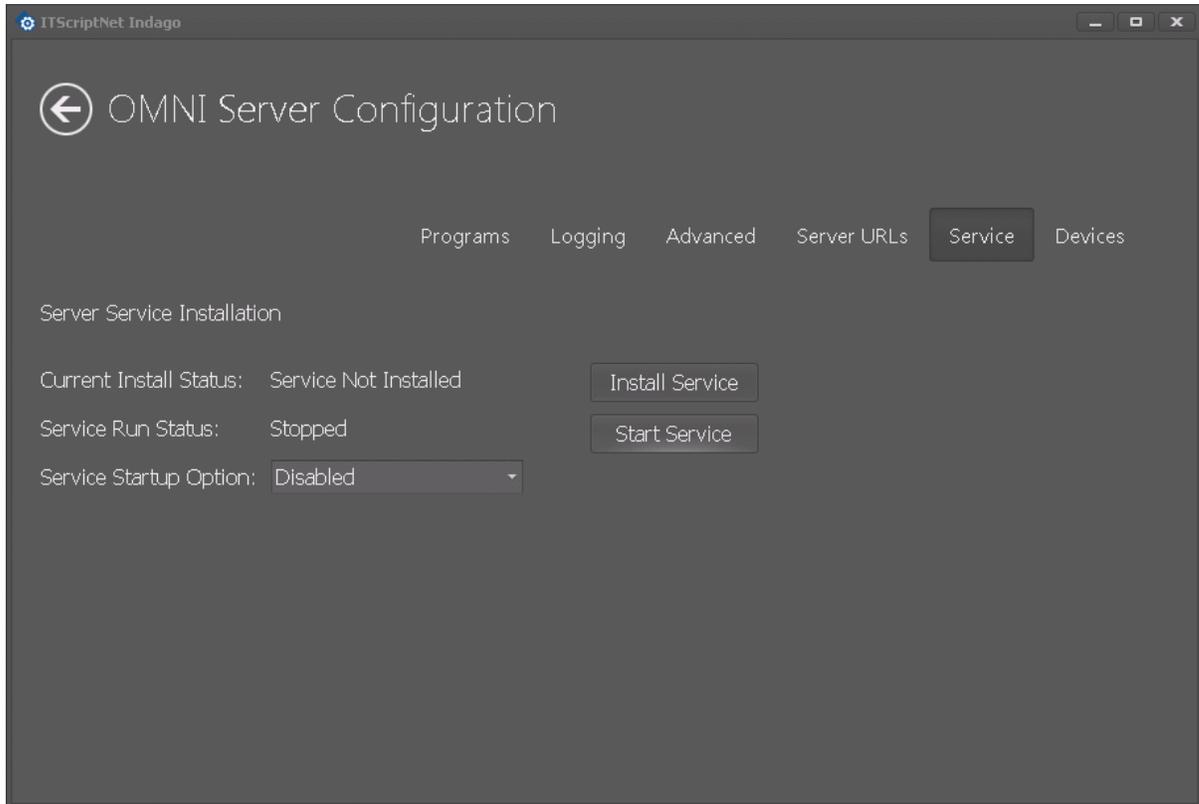
Once you have set the addresses, you can create a barcode that clients can scan to configure themselves. Click the Create PDF button to create a PDF document containing the barcode, or the Show Barcode button to view the barcode on screen.



Client Download Barcode

4.2.2.5 Service

The Service screen manages the Windows Service version of the OMNI Server.



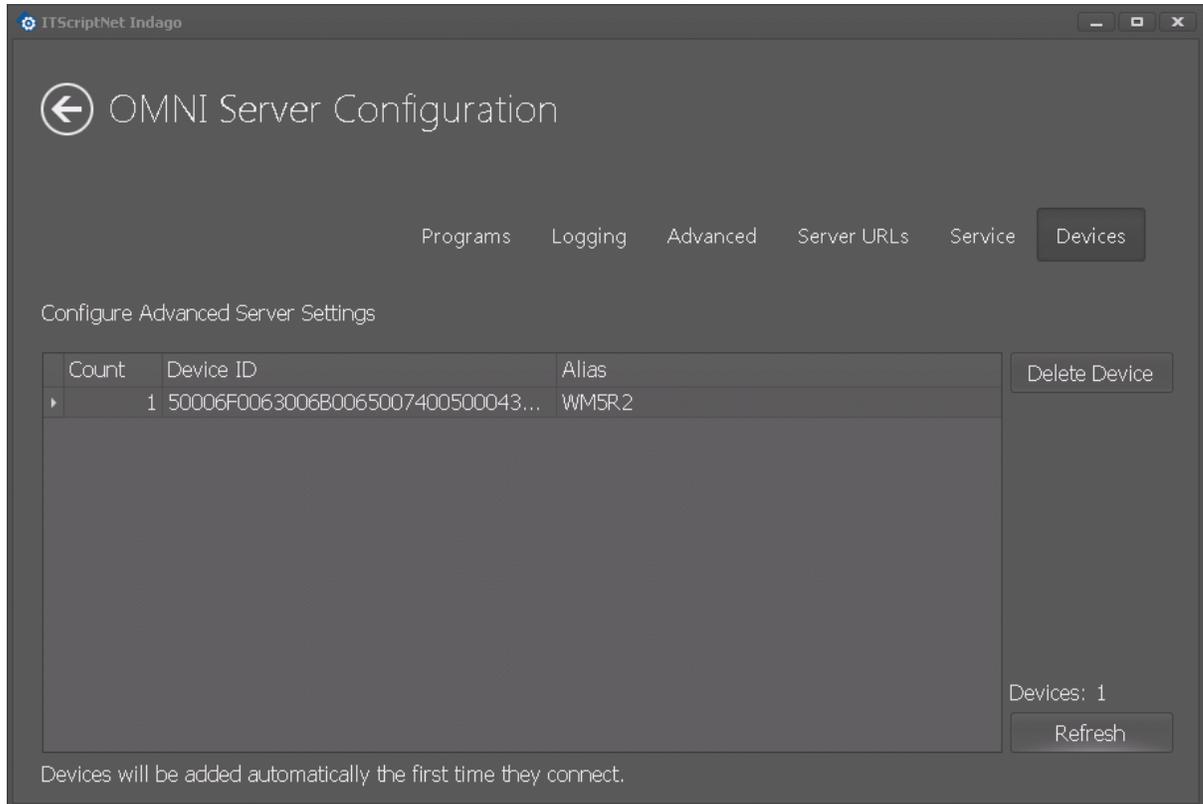
Windows Service options

Use the Install Service button to install the Service into the Service Control Manager. Then, you can Start or Stop the service using the Start Service/Stop Service button. The Service Startup Option controls whether the service starts automatically when the PC boots.

By default, the service runs under the Local System account. If for any reason you need to run the service under a different account, you must use the Windows Service Control Manager to make the changes.

4.2.2.6 Devices

The screen lists the devices that have connected to the OMNI Server.

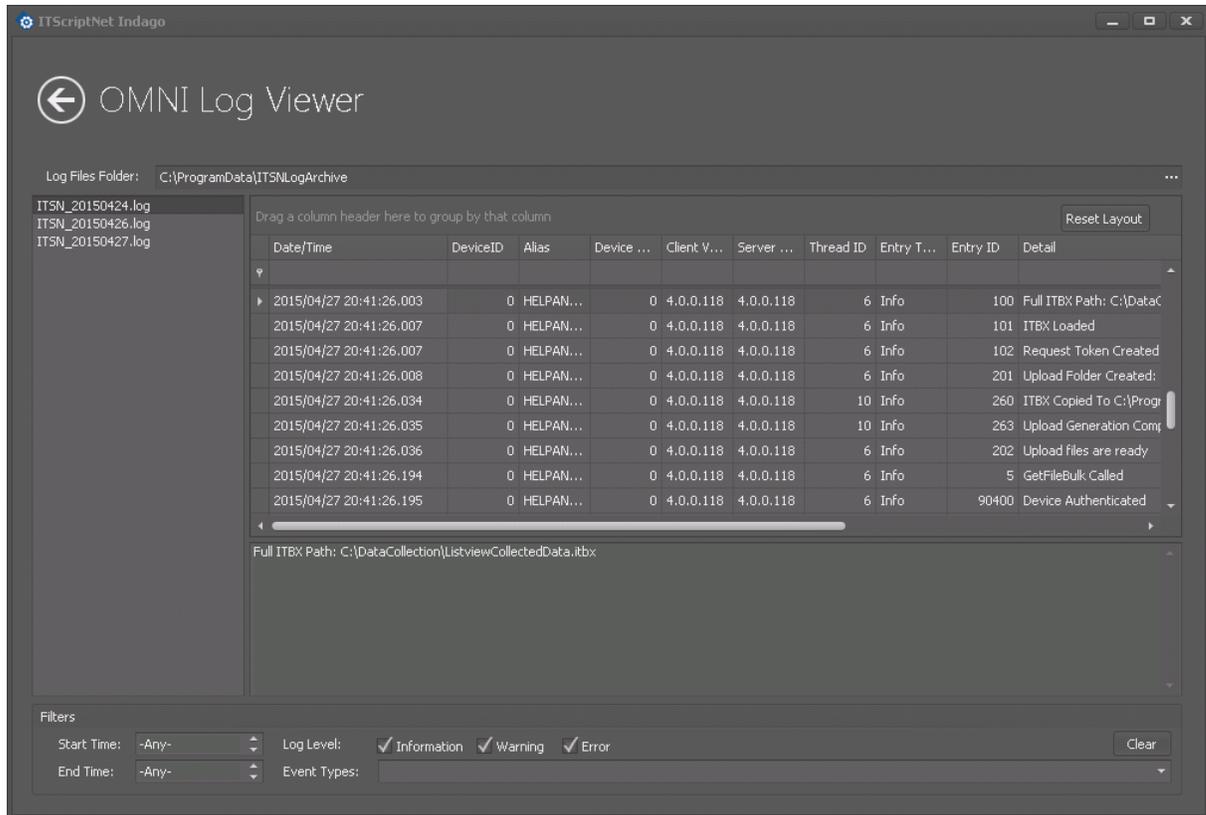


Devices

You can also select a device and Delete it from the list. This allows you to release a license slot for a retired device and reuse it. Devices are automatically added to the list when they connect to the OMNI Server for the first time.

4.2.3 Log Viewer

The Log Viewer is a diagnostic tool that is used to view the OMNI Server error logs for troubleshooting purposes.



Log Viewer

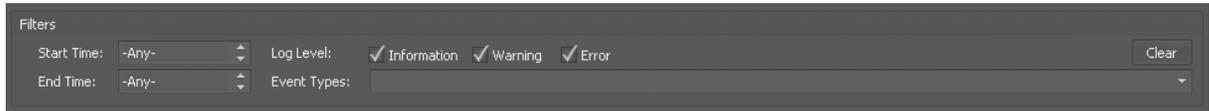
The Log Viewer displays to available log files in the specified folder along the left side. Clicking one of the log files loads the contents into the grid on the right. The oldest entries are at the top and the newest entries are at the bottom. Clicking an entry loads the Detail in to the text area under the list.

You can sort the the grid by clicking any of the column headers, and filter by typing in the Filter Bar just below the headers.



Sorting and Filtering

You can also filter the log by date range, by Log Level, and by certain Event Type using the filter controls at the bottom of the window.



Filters

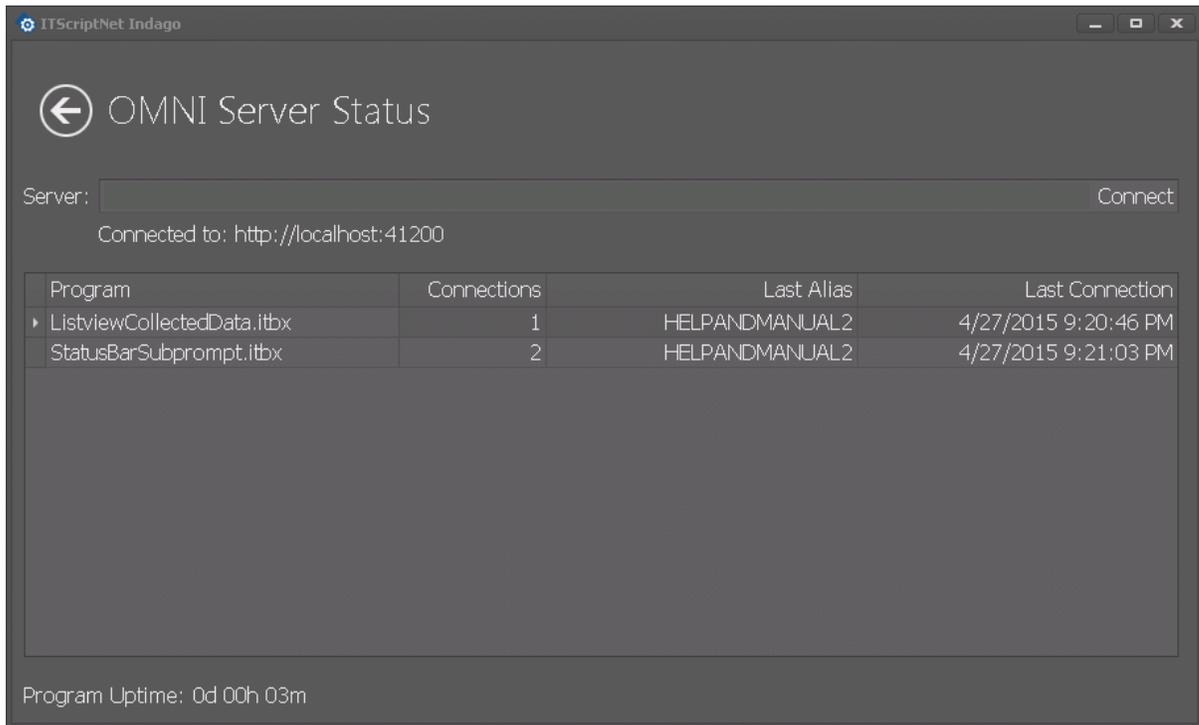
Start Time: -Any- Log Level: Information Warning Error Clear

End Time: -Any- Event Types: _____

Filter Options

4.2.4 Server Status

The OMNI Server status is show the current status of an OMNI Server. The can be the server running the the same PC as the System Console, or on a different PC on the same network. This screen shows the same information as the OMNI Server application main screen, and is generally used when using the Windows Server or Web Service versions of the OMNI Server.



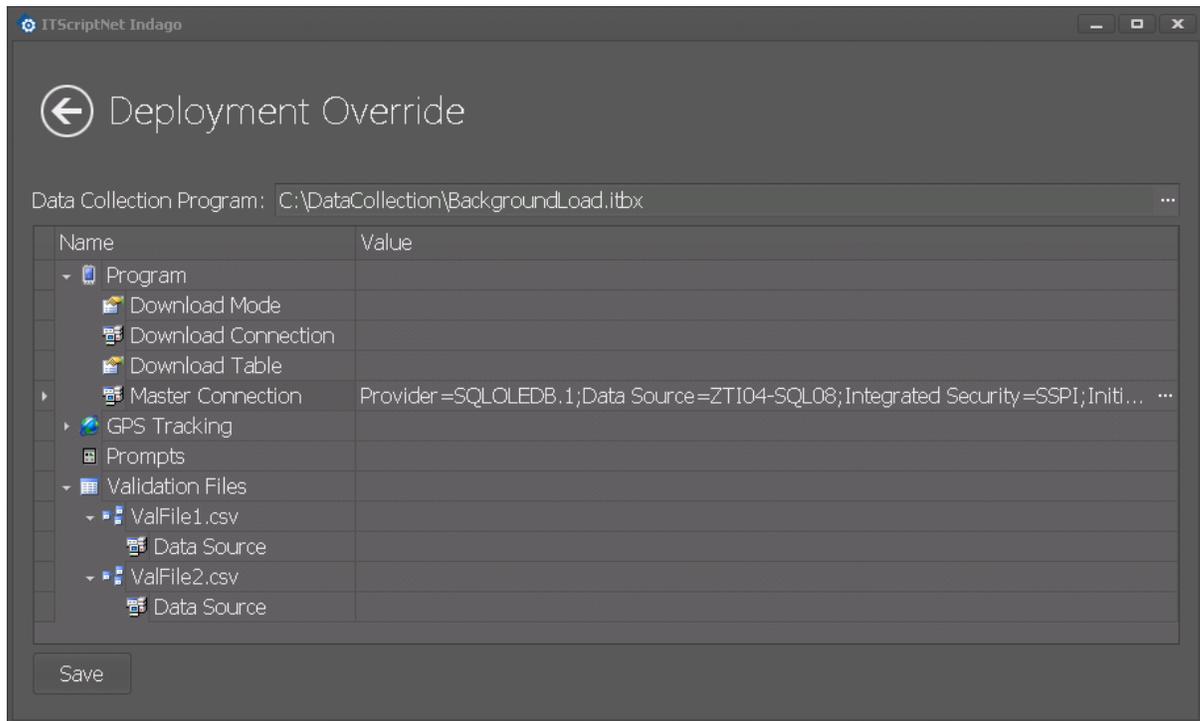
OMNI Server Status

When the screen is first loaded, it will automatically attempt to connect to the OMNI Server on the local PC. To connect to a different PC, type the server URL in the Server box, and click Connect.

4.2.5 Deployment Override

The Deployment Override utility allow you to change settings for database connections, paths, and more to match your environment. This means you can change from the settings that were used when designing the program, to the actual settings used in your production environment.

None of these settings are required. If a setting is left blank, then the value set in the Program Designer will be used.



Deployment Override

Use the Browse button to select your data collection program, then fill in any settings that you need to override. Any settings left blank will use the values set in the Program Designer.

For Database Connection strings, you can click the browse button to load the Data Link Editor to connect to your database and provide credentials and other settings. For text fields, you can simply type a value into the field.

Be sure to press Save to save your settings. They will be written to a file with the same name as your .ITBX file, but with an .INI extension.

Deployment Override Options

Program

These are settings that apply to the entire program.

Download Mode

This controls whether the downloaded collected data is placed in a Database or Text File. Use a value of 0 for Text File, or a value of 3 for Database.

Download Connection

The meaning of this setting depends on the Download Mode.

If the Download Mode is Database, the Download Connection is the Connection String to be used to process collected data into a database.

If the Download Mode is Text File, the Download Connection specifies the file name of the final output file.

Download Table

This setting only applies if the Download Mode is Database. The Download Table specified the table in the database that is to receive the downloaded collected data.

Master Connection

This setting only applies if the Download Mode is Database. The Master Connection is a connection string to be used for all validation files and collected data.

The order that the connection strings are applied is:

- 1) If the Download Connection (for collected data) or individual validation file Connection String is provided in the Override configuration, it is used.
- 2) If the Download Connection or validation file connection string is not set, then the Master Connection string is used.
- 3) If neither of the previous two is set, then the connection string used in the Program Designer is used.

GPS Tracking

These settings apply to the downloading of GPS Tracking data.

Connection String

This setting specifies the database connection string used to store the GPS Tracking data into a database. Note that GPS Tracking data must always be processed into a database. There is no text file option for GPS Tracking data.

Database Table

This setting allows you to specify the name of the table in the database to receive the GPS Tracking data.

Latitude Field

This setting allows you to specify the field name in the Database Table that will receive the Latitude data.

Longitude Field

This setting allows you to specify the field name in the Database Table that will receive the Longitude data.

Speed Field

This setting allows you to specify the field name in the Database Table that will receive the Speed data.

Heading Field

This setting allows you to specify the field name in the Database Table that will receive the Heading data.

Altitude Field

This setting allows you to specify the field name in the Database Table that will receive the Altitude data.

Num Satellites Field

This setting allows you to specify the field name in the Database Table that will receive the Number of Satellites data.

Alias Field

This setting allows you to specify the field name in the Database Table that will receive the Alias data.

Timestamp Field

This setting allows you to specify the field name in the Database Table that will receive the Timestamp data.

User Field

This setting allows you to specify the field name in the Database Table that will receive the User data.

Prompts

This section allows you to override the database field or text header for each collected data field on each prompt. Each prompt and each element (that is mapped to collected data) is listed in the tree, and you can specify the field name or text header.

Validation Files

This section allows you to override the connection string used to load Validation Files from the database.

File Type

This option allow you to override the source of the data for a validation file. Valid options are: 0 = Fixed Width Text File, 1 = Delimited (CSV), 2 = Database, 4 = Assembly Call.

File Path

This option applies to flat-file validation files (Fixed width or Delimited). It allows you to change the physical path to the flat file that is used as the data source for the validation file.

Data Source

This option applies to validation files based on a Database query. This setting specifies the connection string used to connect to the database.

The order that the connection strings are applied is:

- 1) If this Data Source Connection String is provided in the Override configuration, it is used.
- 2) If this setting is not set, then the Master Connection string is used.
- 3) If neither of the previous two is set, then the connection string used in the Program Designer is used.

Assembly File

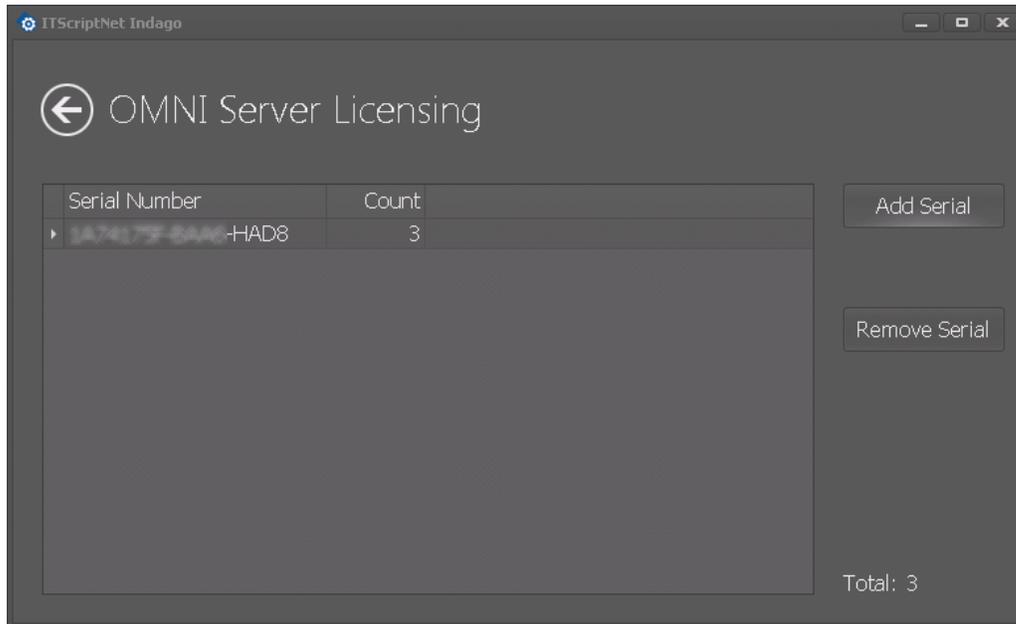
If the validation file is based on an Assembly Call, this setting allows you to specify the path to the assembly that should be used. This should be the fully-qualified path to the assembly.

Assembly Method

If the validation file is based on an Assembly Call, this setting allows you to specify the method withing the Assembly that will be called. Generally the form of the method name will be `ClassName.MethodName` .

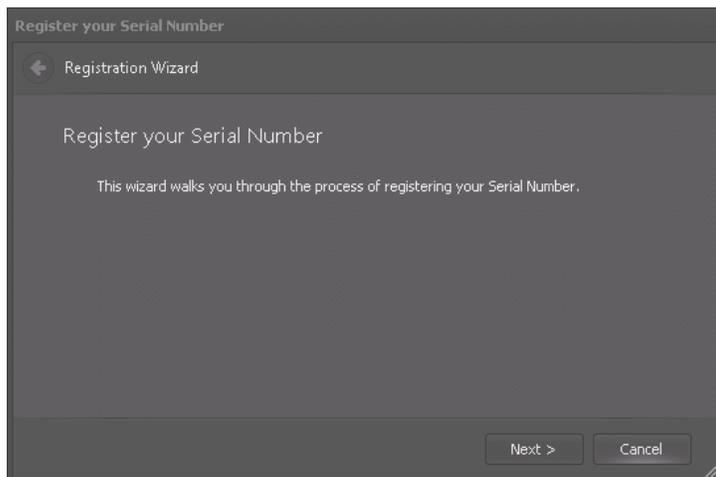
4.2.6 OMNI Server Licensing

The OMNI Server Licensing screen is where you apply your serial numbers to license your software. Each serial number authorizes a specific number of Mobile Computers to connect to the server. The PC must have Internet Access in order to register or unregister a serial number.



OMNI Server Licensing

To add a new serial number, click the Add Serial button. Then, follow the Registration Wizard steps:



Registration Wizard Introduction

Enter your serial number. Note that the Wizard will display the number of devices that the serial number will activate.

The screenshot shows a dark-themed window titled "Register your Serial Number". At the top left, there is a back arrow icon and the text "Registration Wizard". The main heading is "Product Serial Number". Below this, the prompt "Enter your Serial Number:" is followed by a text input field containing "XXXXXXXXXX-HAD8". Underneath the input field, it says "Terminal Pack (Qty: 3)". At the bottom right, there are two buttons: "Next >" and "Cancel".

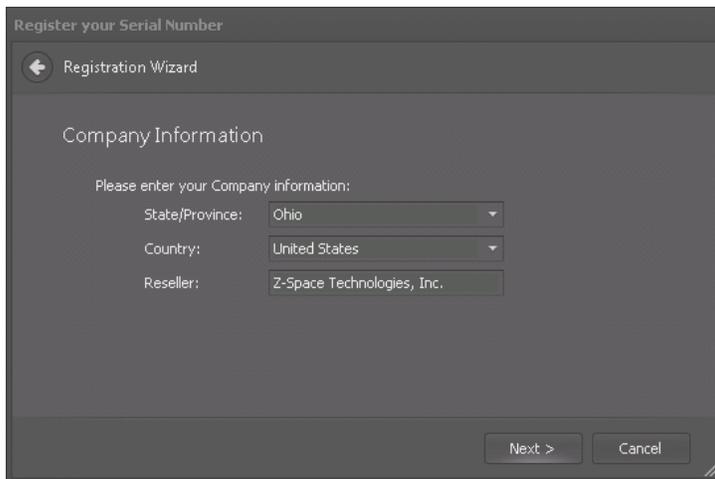
Enter Serial Number

Enter your registration information:

The screenshot shows the same window as the previous step, but the heading is "Registration Information". The prompt "Enter your Registration Information:" is followed by three text input fields: "Email Address:" with "email@example.com", "Your Name:" with "Your Name", and "Company Name:" with "Your Company". Below these fields is a checked checkbox with the text "Check to receive e-mail notification of product upgrades." At the bottom, there is a small disclaimer: "Your information will be kept confidential and will not be resold or used for any other purpose. You may opt out at any time by visiting <http://www.z-space.com/registration/optin.asp>". At the bottom right, there are two buttons: "Next >" and "Cancel".

Registration Information

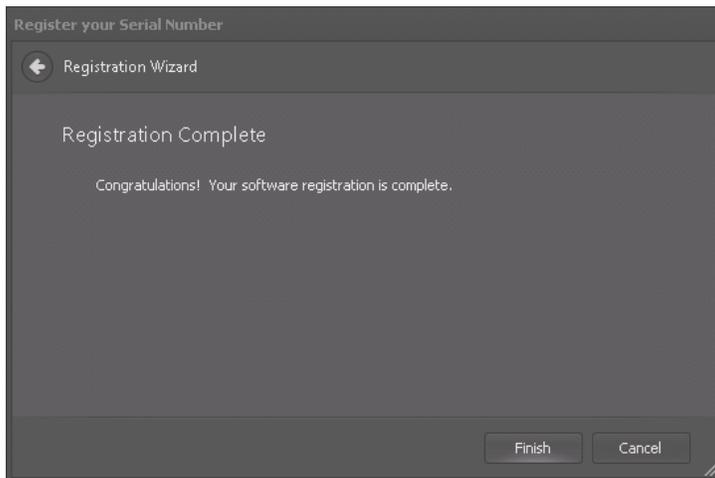
Enter your company information:



The screenshot shows a dark-themed dialog box titled "Register your Serial Number". At the top, there is a "Registration Wizard" header with a back arrow icon. Below this, the section is titled "Company Information". The text "Please enter your Company information:" is followed by three input fields: "State/Province:" with a dropdown menu showing "Ohio", "Country:" with a dropdown menu showing "United States", and "Reseller:" with a text box containing "Z-Space Technologies, Inc.". At the bottom right, there are two buttons: "Next >" and "Cancel".

Company Information

If your serial number is registered, you will be notified that the registration is complete:



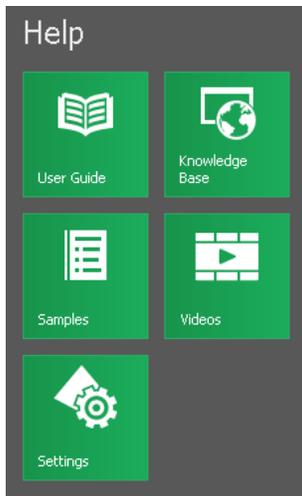
The screenshot shows the same dark-themed dialog box titled "Register your Serial Number". The "Registration Wizard" header is present. The section is titled "Registration Complete". The text "Congratulations! Your software registration is complete." is displayed. At the bottom right, there are two buttons: "Finish" and "Cancel".

Registration Complete

To unregister a serial number, click to select it in the list, then click the Remove Serial button. You will be prompted to confirm that you want to unregister, and if you confirm the serial number will be unregistered.

4.3 Help

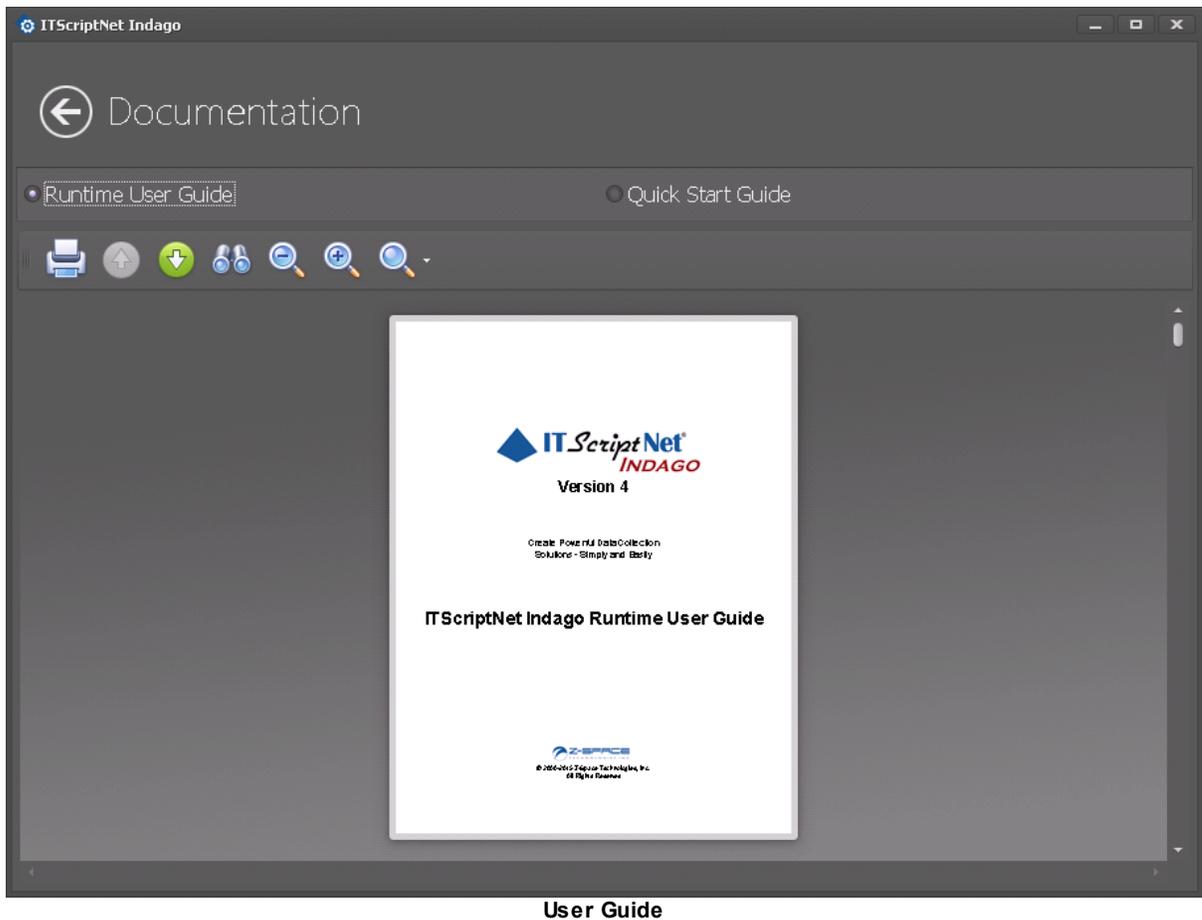
This group of tiles contains items related to Help, Documentation, and Support.



Help

User Guides

Use this screen to view the User Guides. You can select the guide to view and it will appear in the window below.



Knowledge Base

This tile launches your web browser to the ITScriptNet Indago Knowledge Base where you can find answers to common questions and problems.

Samples

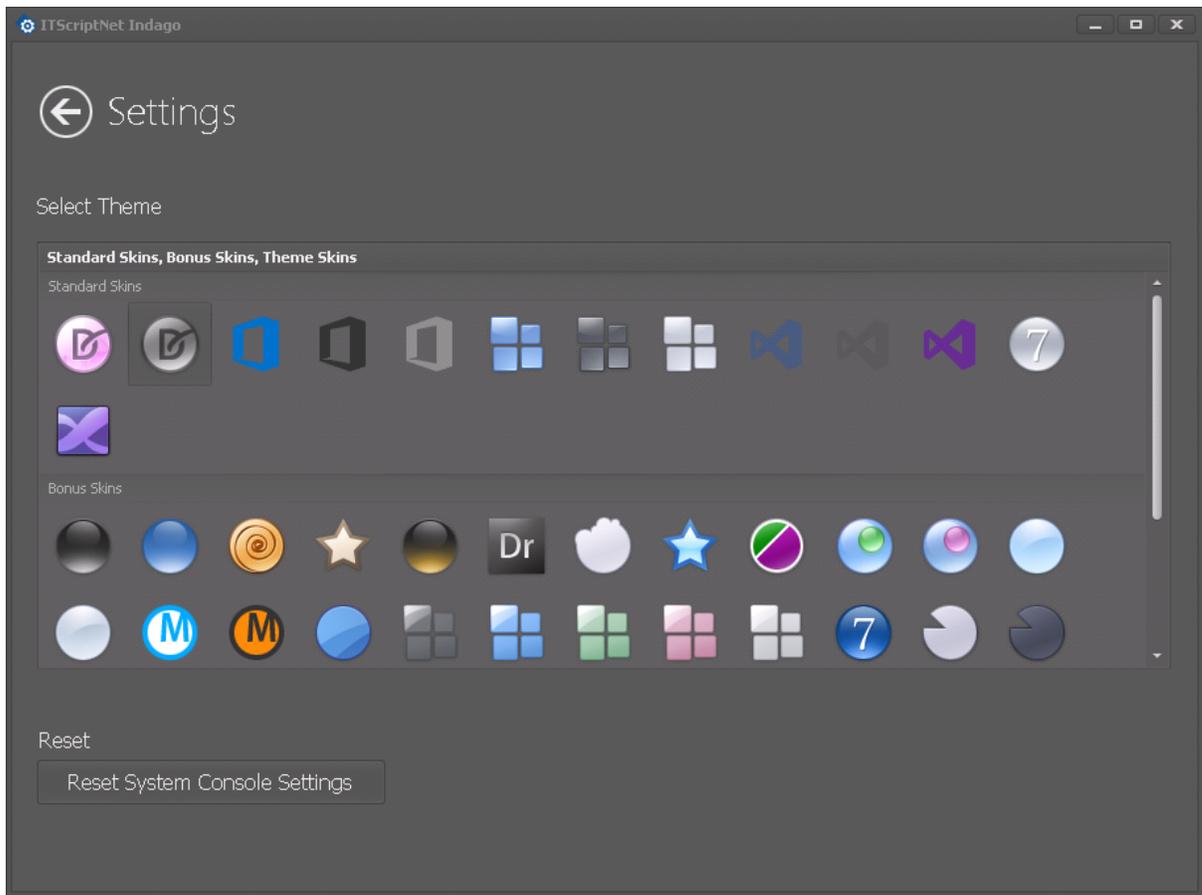
This tile launches your web browser to the ITScriptNet Indago Samples where you can find examples programs that demonstrate various concepts.

Videos

This tile launches your web browser to the ITScriptNet Indago Videos where you can find helpful how-to videos.

Settings

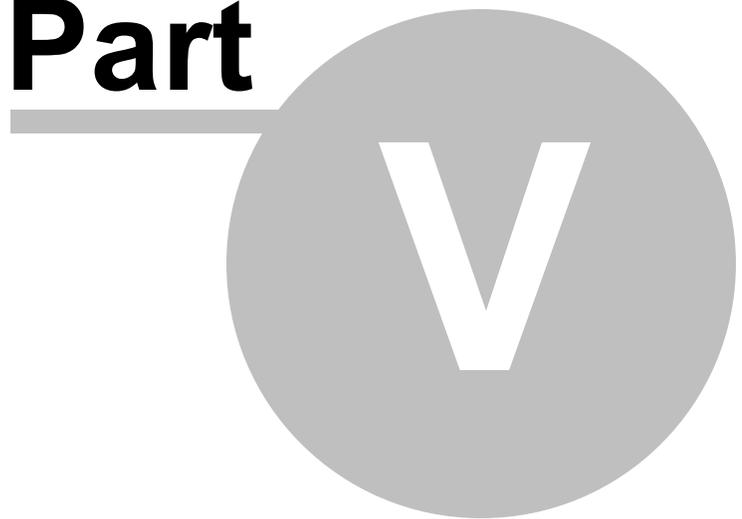
This tile presents the Settings screen. This screen allows you to select a Theme that controls the look and feel of the System Console, and allows you to reset the settings for your System Console.



Settings

ITScriptNet Indago Runtime User Guide

Part



5 Mobile Computer Clients

This section of describes how to use the Mobile Computer client software on each type of device.

5.1 Windows Mobile / Windows CE Client

The Windows Mobile and Windows CE client can be automatically installed on a mobile computer by the System Console. Be sure to select the exact model of your device if it is listed, or the closest match if it is not. If your device's manufacturer is not listed, install the Microsoft (generic) version of the client. You will have to use your manufacturer's Scan Wedge utility to scan barcodes in this case.

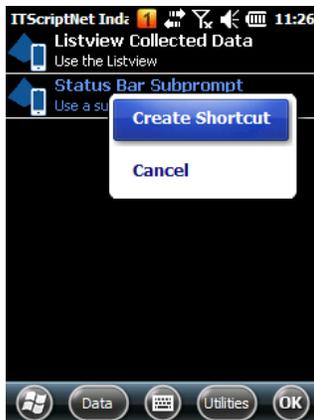
The installer will create a shortcut on the Start Menu or Desktop of the device. Tap this shortcut to launch the client software.



Windows Mobile / Windows CE Main Screen

If there are any data collection programs loaded, they will be displayed here. Tap the program to load it and start collecting data.

You can also create a shortcut directly to a data collection program. Tap and hold the program until the Create Shortcut menu appears. Tapping Create Shortcut creates an icon right on the Start Menu.



Create Shortcut Menu



Direct Shortcut

There are two menus at the bottom of the screen that you can use to configure and operate the client.

Data Menu

Select Send Data to PC to send the data collected in a program to the OMNI Server.

Select Load Program to load a new or updated data collection program from the OMNI Server

Utilities Menu

Select Delete Data File to delete the collected data from a program.

Select Delete Program to remove a data collection program from the mobile computer.

Select Configuration to access the settings for the client software.

5.1.1 Windows Mobile Configuration

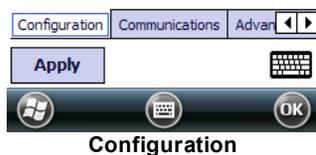
The configuration screen allows you to set the required settings for the client software.

Configuration



Device Alias:

Client Language:



Set the Device Alias if you want to more easily identify this mobile computer in your collected data and log files. The alias will have a default value based on the unique ID of the device.

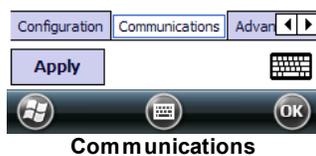
You can also select the language that the client will use to display text. This only applies to the system messages. Any text in your data collection programs will have to be translated by the designer of the program.

Communications

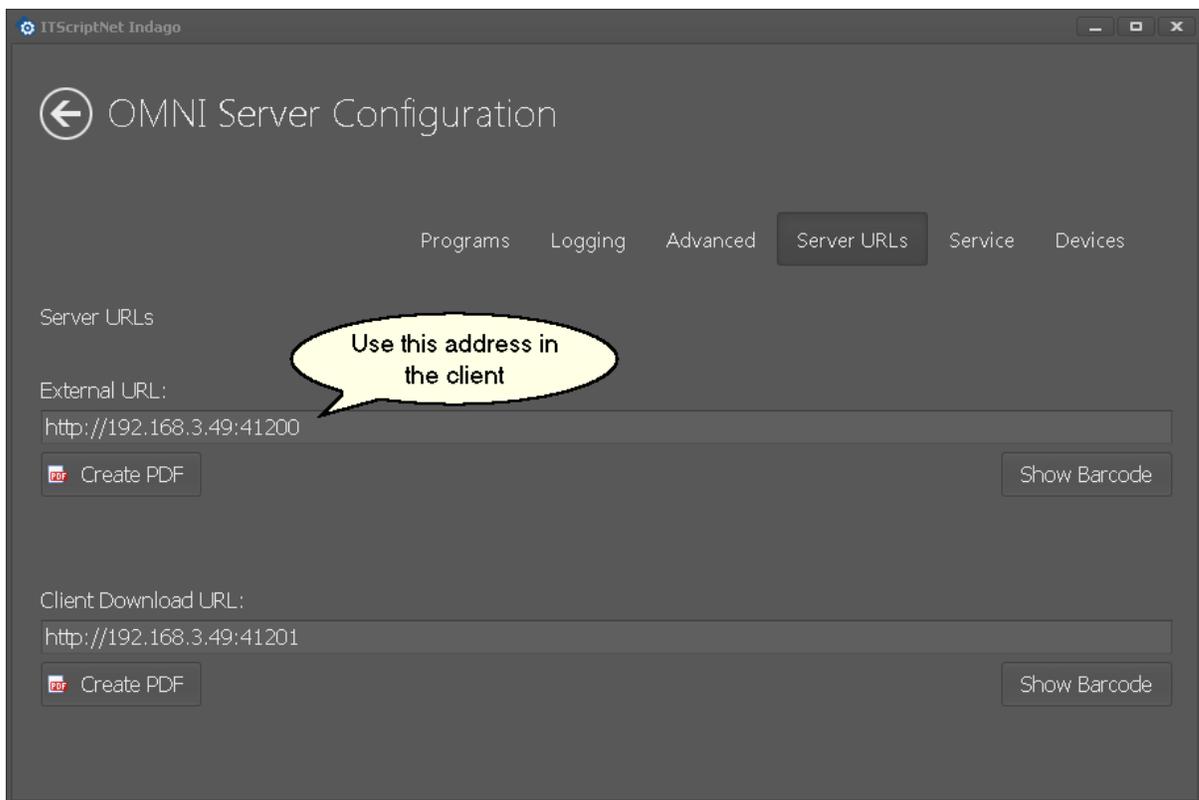


OMNI Server Address:

RAS Connection:



Set the OMNI Server address here. This address is the one from the System Console on the Server URLs tab of the OMNI Server configuration screen.

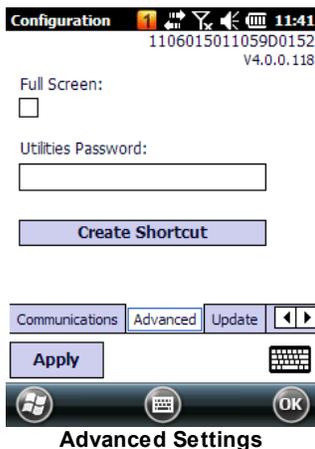


System Console External Address

You can also click the Show Barcode button to create a barcode that the Client can read. Tap the barcode button on the client to launch the camera and read the barcode. This sets the address without having to type it all in.

Advanced

The Advanced screen has additional configuration options.



The Full Screen checkbox will put the Client software into fullscreen mode, covering the taskbar/start menu.

The Utilities Password setting lets you set a password that must be entered in order to access the Utilities menu options, such as this Configuration screen.

The Create Shortcut button restores the main client shortcut in case it was deleted.

Update

The Update tab has a button that causes the client to connect to the OMNI Server to check for an update. If the OMNI Server has an updated client available, the client will update itself.

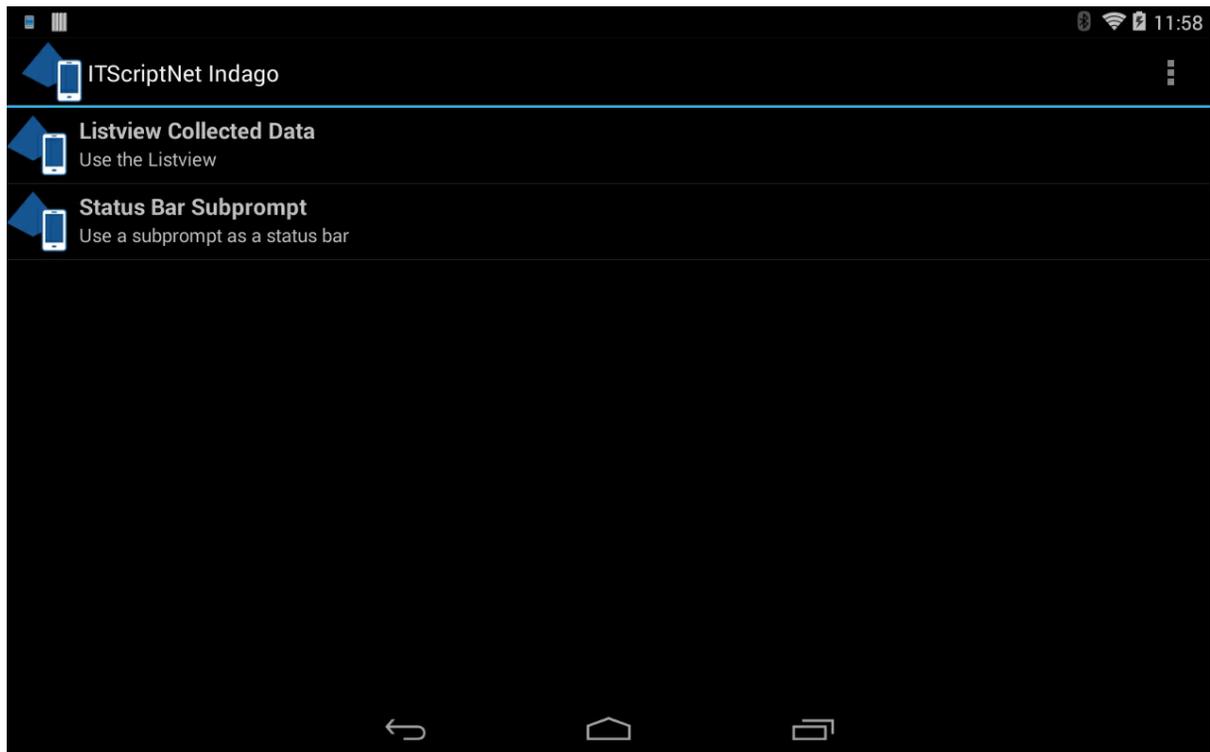


5.2 Android Client

The Android client cannot be automatically installed on a mobile computer by the System Console. This is due to security restrictions in Android. However, the System Console can copy the APK to the root of the Android device's external storage. Then you can use a File Manager to execute and install the client.

You can also visit the Google Play Store to download the ITScriptNet Indago Client Installer utility which assist you in connecting to your OMNI Server to install the client.

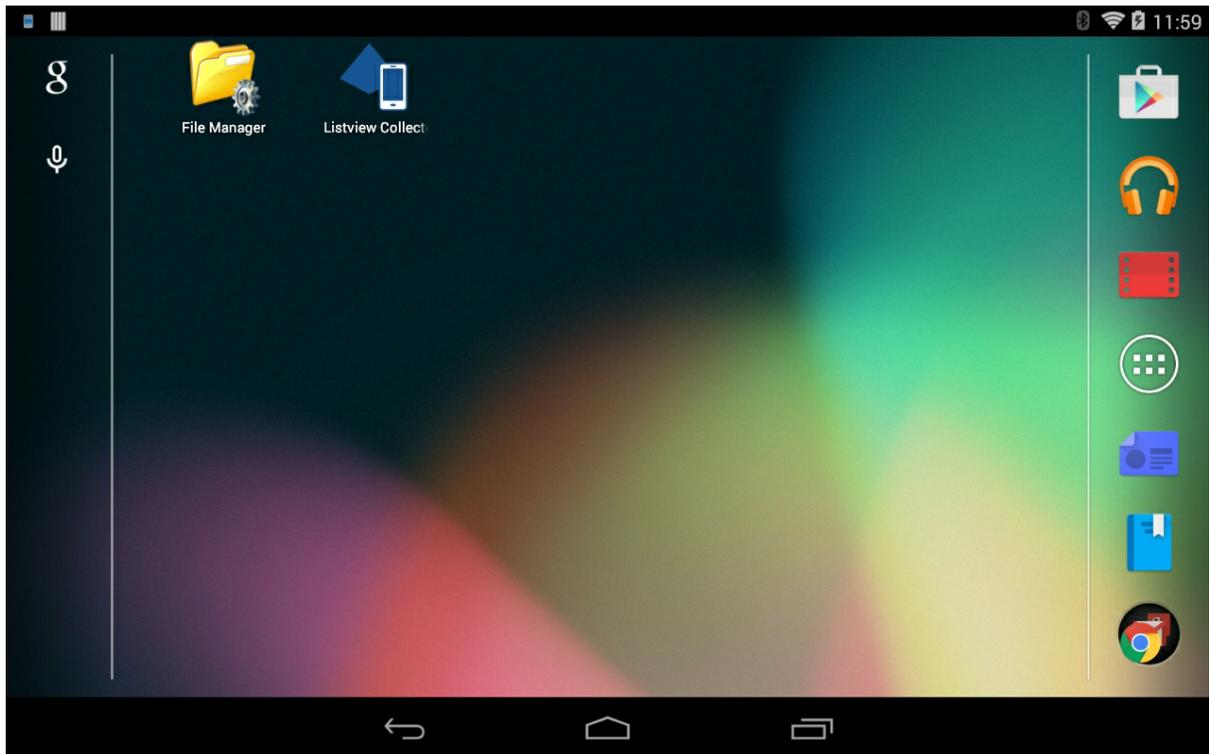
The installer will create a shortcut in the Apps list of the device. Tap this shortcut to launch the client software.



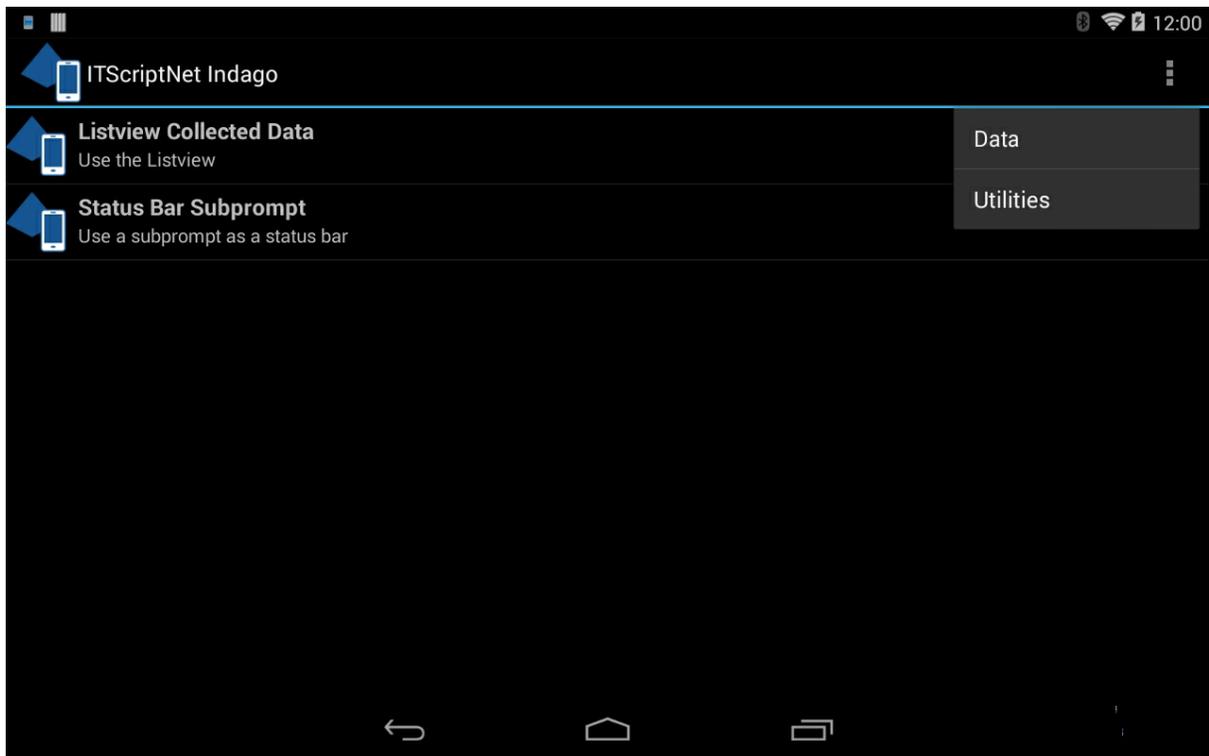
Main Screen

If there are any data collection programs loaded, they will be displayed here. Tap the program to load it and start collecting data.

You can also create a shortcut directly to a data collection program. Tap and hold the program until the Create Shortcut menu appears. Tapping Create Shortcut creates an icon right on the Home Screen.



There are two menus accessible from the Overflow Menu that you can use to configure and operate the client.



Menu

Data Menu

Select Send Data to PC to send the data collected in a program to the OMNI Server.

Select Load Program to load a new or updated data collection program from the OMNI Server

Utilities Menu

Select Delete Data File to delete the collected data from a program.

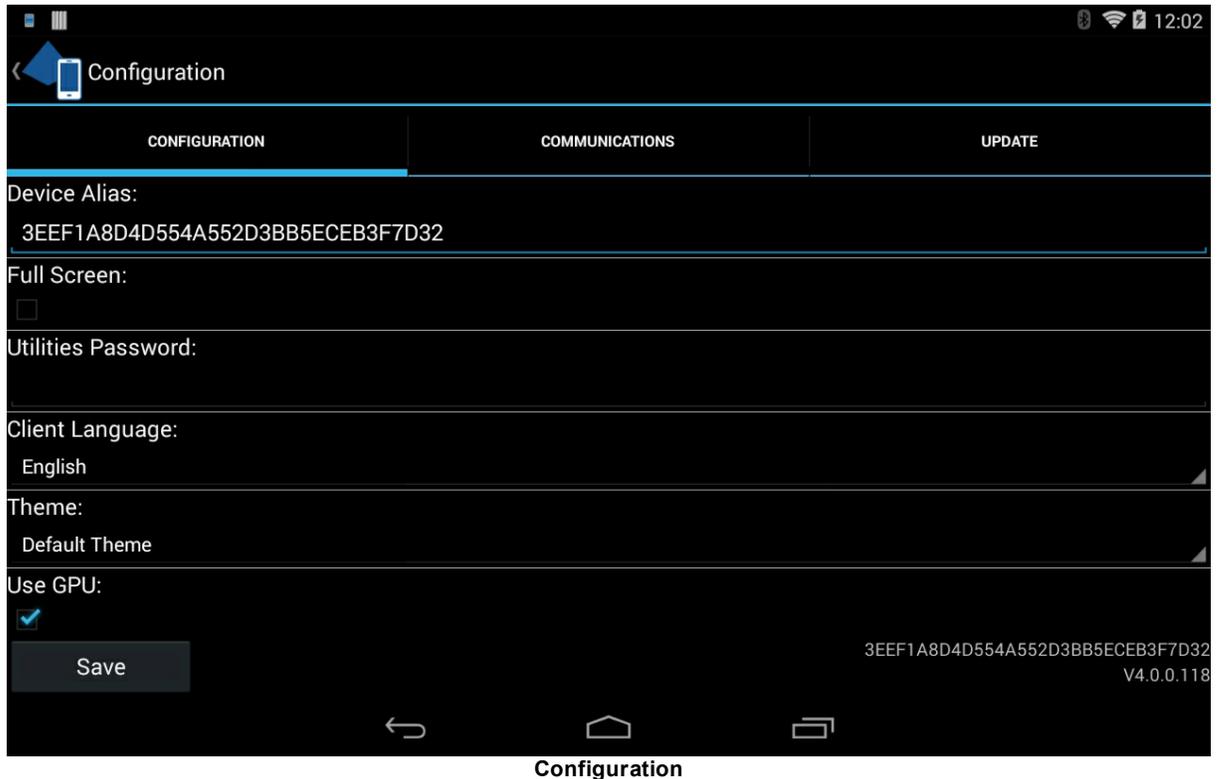
Select Delete Program to remove a data collection program from the mobile computer.

Select Configuration to access the settings for the client software.

5.2.1 Android Configuration

The configuration screen allows you to set the required settings for the client software.

Configuration



Set the Device Alias if you want to more easily identify this mobile computer in your collected data and log files. The alias will have a default value based on the unique ID of the device.

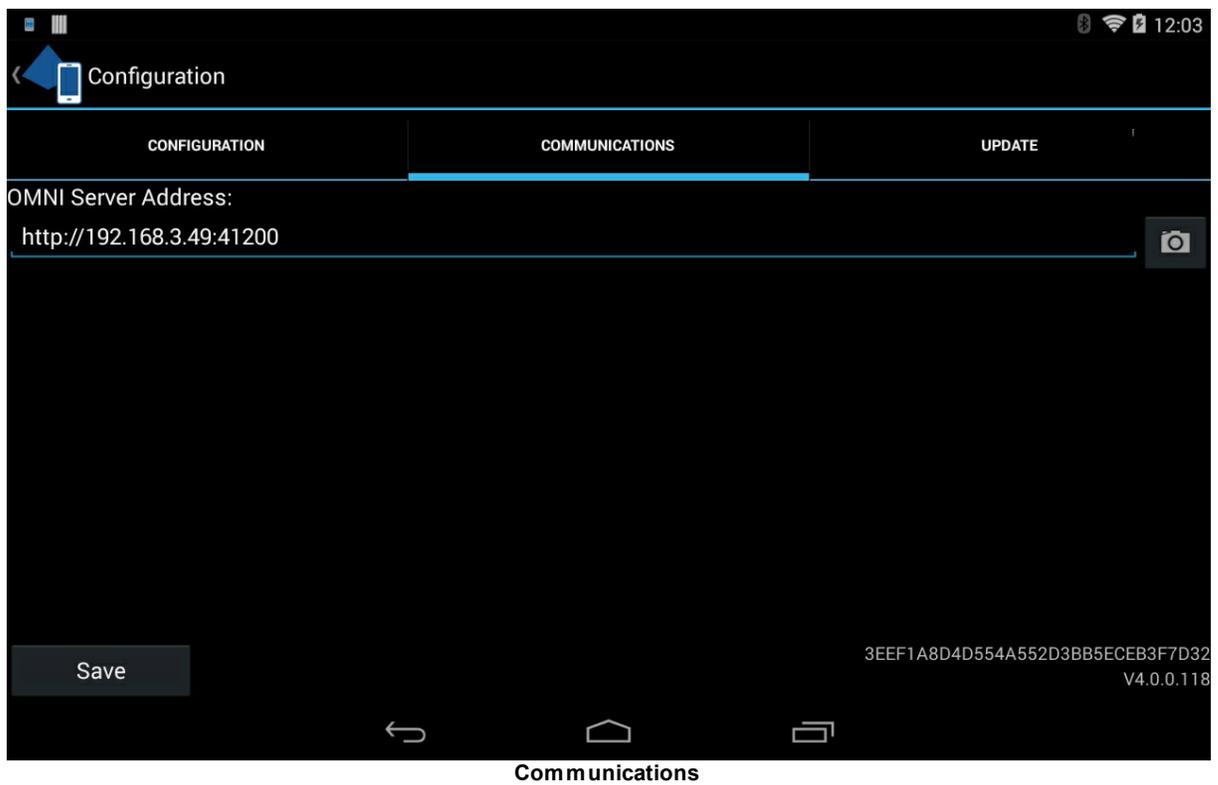
The Full Screen checkbox will put the Client software into fullscreen mode, covering the taskbar/start menu.

The Utilities Password setting lets you set a password that must be entered in order to access the Utilities menu options, such as this Configuration screen.

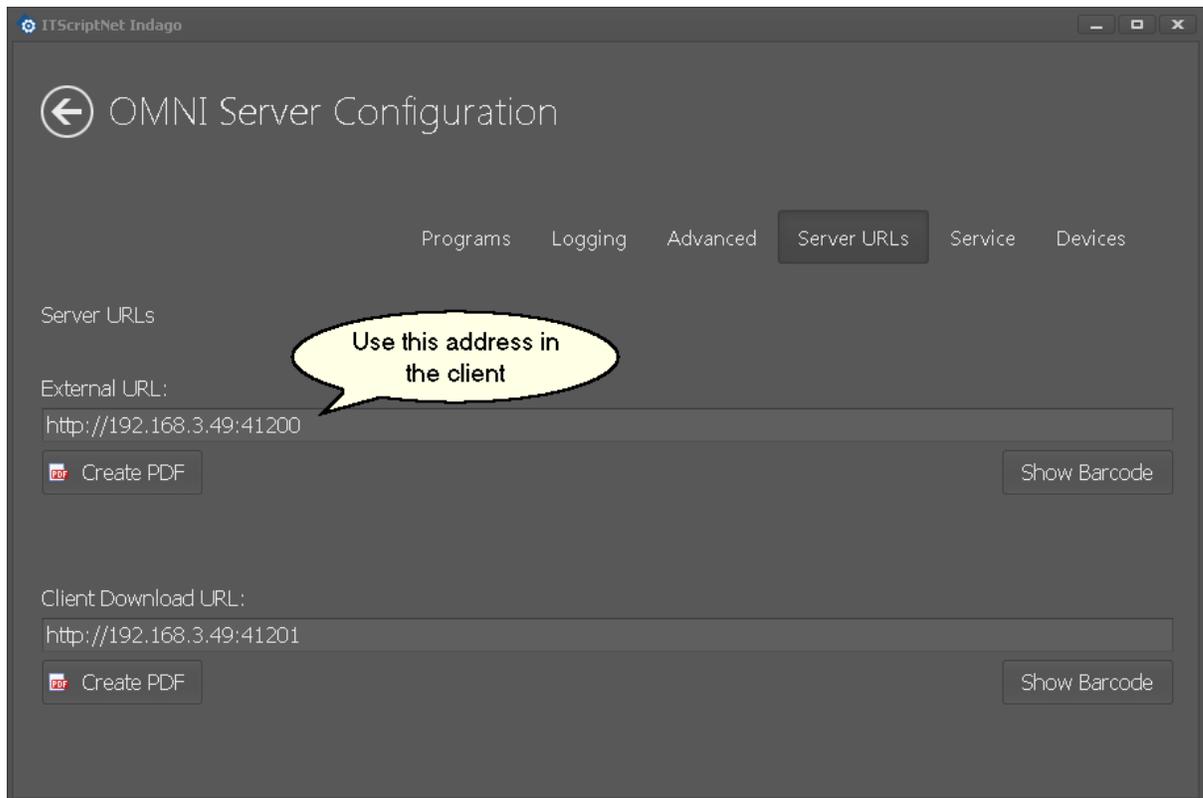
You can also select the language that the client will use to display text. This only applies to the system messages. Any text in your data collection programs will have to be translated by the designer of the program.

The Create Shortcut button restores the main client shortcut in case it was deleted.

Communications



Set the OMNI Server address here. This address is the one from the System Console on the Server URLs tab of the OMNI Server configuration screen.

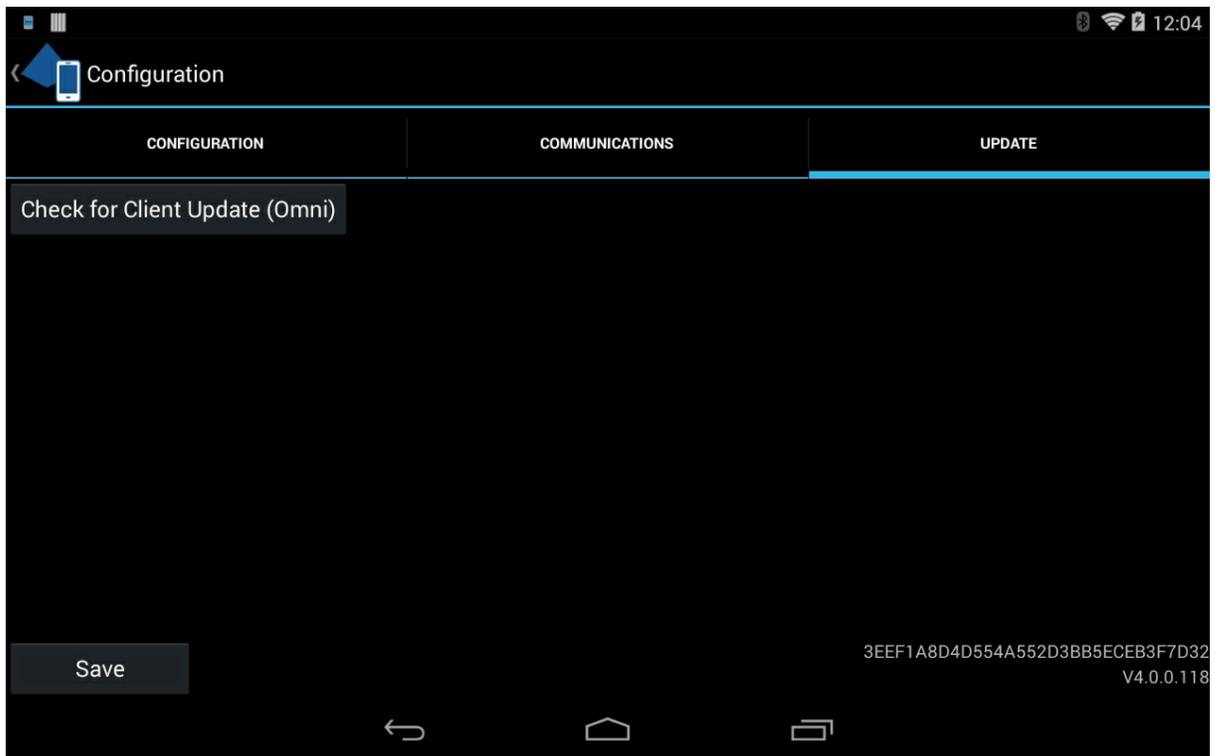


System Console External Address

You can also click the Show Barcode button to create a barcode that the Client can read. Tap the barcode button on the client to launch the camera and read the barcode. This sets the address without having to type it all in.

Update

The Update tab has a button that causes the client to connect to the OMNI Server to check for an update. If the OMNI Server has an updated client available, the client will update itself.

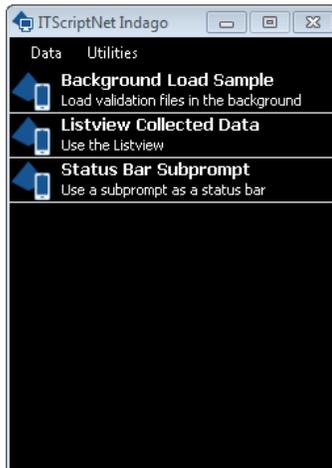


Update

5.3 PC Client

The PC Client allow you to collect data from a Windows PC, laptop, or Tablet running desktop Windows.

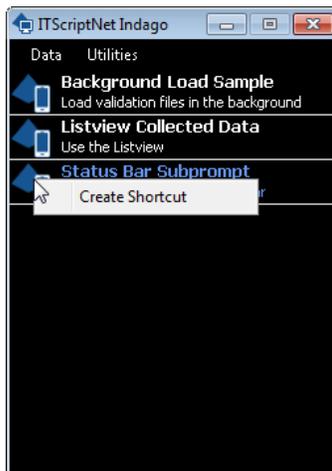
You can simply copy the files from the Clients\PCClient folder under your installation, or run the Runtime setup on the target PC.



Main Screen

If there are any data collection programs loaded, they will be displayed here. Tap the program to load it and start collecting data.

You can also create a shortcut directly to a data collection program. Right-click on the program to bring up the menu. Clicking Create Shortcut creates an icon right on the Desktop.



Create Shortcut

There are two menus at the top of the screen that you can use to configure and operate the client.

Data Menu

Select Send Data to PC to send the data collected in a program to the OMNI Server.

Select Load Program to load a new or updated data collection program from the OMNI Server

Utilities Menu

Select Delete Data File to delete the collected data from a program.

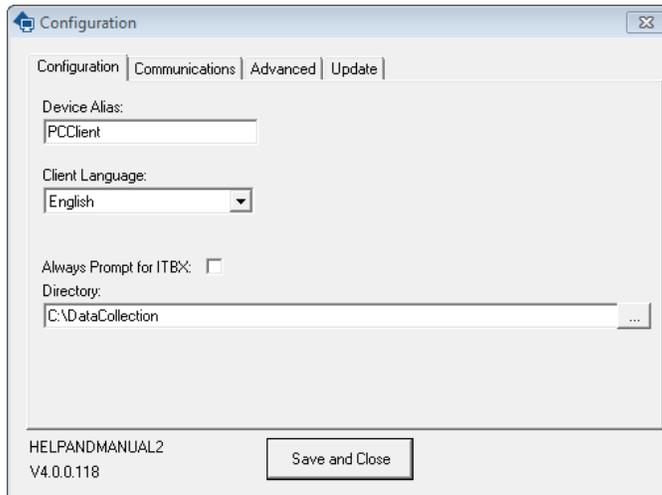
Select Delete Program to remove a data collection program from the mobile computer.

Select Configuration to access the settings for the client software.

5.3.1 PC Client Configuration

The configuration screen allows you to set the required settings for the client software.

Configuration



Configuration Screen

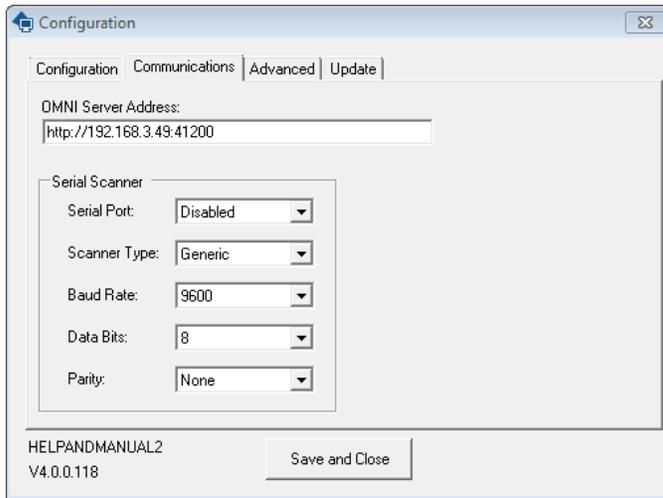
Set the Device Alias if you want to more easily identify this mobile computer in your collected data and log files. The alias will have a default value based on the unique ID of the device.

You can also select the language that the client will use to display text. This only applies to the system messages. Any text in your data collection programs will have to be translated by the designer of the program.

The Always Prompt for ITBX option controls whether the PC Client will start with the Main Screen shown above, or will immediately prompt the user for the data collection program.

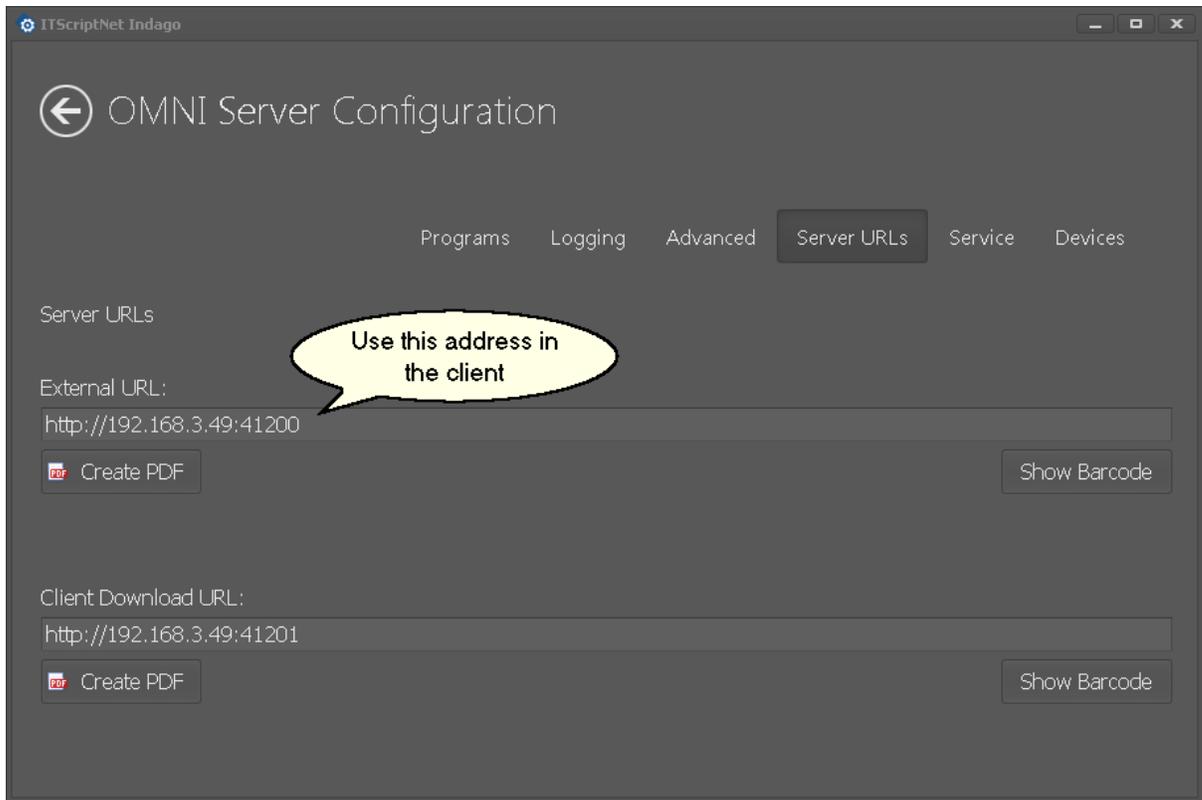
The Directory option allows you to set the home directory containing your data collection programs. The Main Screen program list will be filled from this directory.

Communications



Communications

Set the OMNI Server address here. This address is the one from the System Console on the Server URLs tab of the OMNI Server configuration screen.

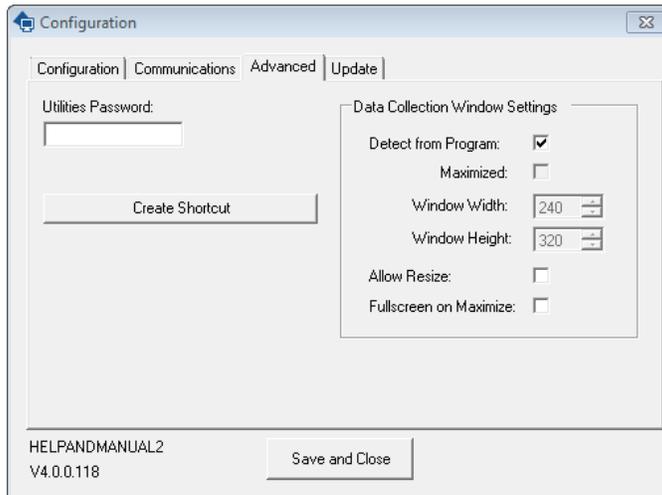


System Console External Address

The Serial Scanner options allow you to enable support for a tethered scanner using a Serial interface. Set the options to match your scanner's communications settings.

Advanced

The Advanced screen has additional configuration options.

**Advanced Settings**

The Utilities Password setting lets you set a password that must be entered in order to access the Utilities menu options, such as this Configuration screen.

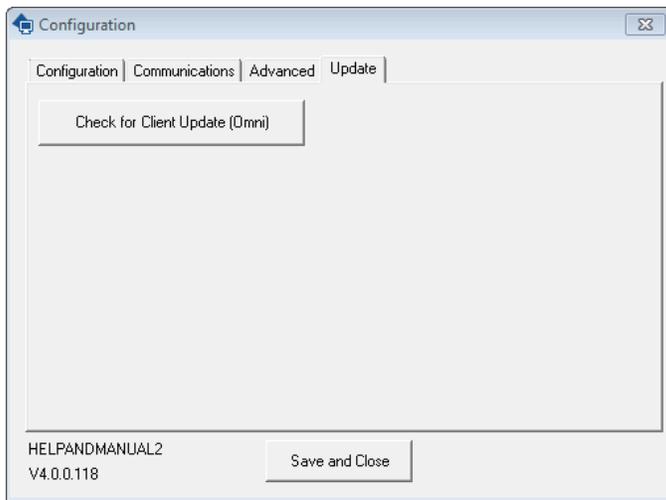
The Create Shortcut button restores the main client shortcut in case it was deleted.

The Data Collection Windows settings control how the program window behaves while collecting data.

- If the Detect From Program option is checked, the window will be the size that the program was designed for.
- If the Detect From Program option is not checked, you can specify the exact size you want the window to be using the Window Width and Window Height fields. The program will scale and select the appropriate layout to match as best it can.
- If the Maximized option is checked, the data collection window will be maximized to fill the screen.
- If Allow Resize is set, the program window can be resized by dragging with the mouse. The data collection program will resize and reselect its layout to match as best it can.
- If the Fullscreen On Maximize option is set, the program window will cover the entire screen, including the taskbar, if maximized. The window caption will be hidden until the mouse is moved to the top of the screen, when the caption will be restored.

Update

The Update tab has a button that causes the client to connect to the OMNI Server to check for an update. If the OMNI Server has an updated client available, the client will update itself.



Update