

---

# Intellicus DotNet Client Integration Guide

---

Intellicus Enterprise Reporting and BI Platform



©Intellicus Technologies  
info@intellicus.com  
www.intellicus.com

Copyright © **2014** Intellicus Technologies

This document and its content is copyrighted material of Intellicus Technologies. The content may not be copied or derived from, through any means, in parts or in whole, without a prior written permission from Intellicus Technologies. All other product names are believed to be registered trademarks of the respective companies.

**Dated: April 2014**

## **Acknowledgements**

Intellicus acknowledges using of third-party libraries to extend support to the functionalities that they provide.

For details, visit: <http://www.intellicus.com/acknowledgements.htm>

## Contents

---

<b>Introduction .....</b>	<b>1</b>
<b>Prerequisites .....</b>	<b>2</b>
Internet Information Server (IIS) .....	2
Host application .....	2
Intellicus Report Server .....	2
<b>Installing Intellicus DotNet Client .....</b>	<b>3</b>
<b>Integrating Intellicus .....</b>	<b>4</b>
Moving dll files to bin of HostApplication .....	4
Merging contents of global.asax file .....	5
Merging contents of Web.Config file .....	5
Handling session timeout .....	5
Specifying Intellicus logs related information .....	6
Providing Access Privileges .....	7
Setting IIS properties .....	7

## Introduction

---

Intellicus functionalities are made available through Intellicus DotNet Client. It can be deployed within a host application.

A host application can call the Intellicus functionalities either by calling the Intellicus DotNet Client web pages (HTTP APIs) or by calling the provided methods (DotNet APIs).

These APIs interact with Intellicus Report Server, which actually carries out requested tasks.

We recommend reading chapter **Prerequisites** before actually going ahead with installation of Intellicus DotNet Client.



**Important:** Please read [IntellicusGettingStarted.pdf](#) before proceeding with installation of Intellicus DotNet Client.

## Prerequisites

---

Intellicus DotNet Client has following prerequisites:



**Important:** Intellicus DotNet Client is designed using .NET framework version 2.0.50727 SP1 (Microsoft Visual Studio 2005 Version 8.0.50727.42). It needs Internet Information Server (IIS) 5.1 or higher.

### Internet Information Server (IIS)

Intellicus DotNet application needs Internet Information Server 5.1 or higher (IIS) to serve the web pages to clients. You need to make sure IIS is installed, is up and running before going ahead.

### Host application

As stated in the earlier, Intellicus DotNet Client can be integrated with a host application. Make sure the application in which Intellicus client will be installed is already installed as a web site in IIS.



**Note:** This document makes use of Sample Host Application to demonstrate steps of integration. If you are evaluating Intellicus DotNet Client, then you should have a sample host application before going ahead.

### Intellicus Report Server

After integration, host application will access Intellicus functionalities. Make sure Intellicus Report Server is installed, up and running.

## Installing Intellicus DotNet Client

---

Please refer document “InstallingIntellicusDotNetClientOnWindows.pdf” for installing Intellicus DotNet Client on Windows platform.

## Integrating Intellicus

After installing the Intellicus DotNet Client, next steps is to carryout activities that will make it possible to access Intellicus from within the host application.

The activities are:

- **Moving the binaries:** Moving dll files of Intellicus to bin folder of HostApplication.
- **Merging contents of global.asax file:** Merging contents of global.asax shipped with Intellicus to that of HostApplication.
- **Merging contents of Web.Config file:** Merging contents of Web.config shipped with Intellicus to that of HostApplication.
- **Handling Session timeout:** Specifying the URL of desired login page in case of session timeout.
- **Specifying Intellicus logs related information:** Specifying the logging details for Intellicus in Log4NetConfig.xml file.
- **Providing Access Privileges:** Providing access permission to worker process on application folders to read/write the data.
- **Setting IIS properties:** Adding extension mappings for host application and enabling anonymous authentication mode for Intellicus.

### Moving dll files to bin of HostApplication

The /HostApplication/Intellicus/bin folder contains the dll files that Intellicus DotNet Client needs. These files need to be moved from their existing location to /HostApplication/bin.

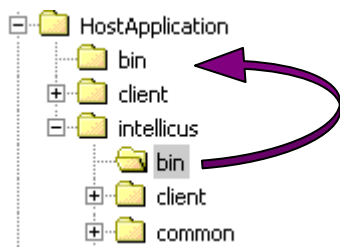


Figure 1:Bin Folder of Host Application



**Note:** Delete /HostApplication/intellicus/bin folder after files are copied.

## Merging contents of global.asax file

Merge content of global.asax file located in Intellicus folder to global.asax file of host application.



**Important:** Delete /HostApplication/intellicus/Global.asax after this activity is completed.

## Merging contents of Web.Config file

- Merge content of web.config file located in Intellicus folder to web.config file of host application.
- Specify the relative path of Intellicus folder with reference to host application folder as follows.

```
<appSettings>
  <add key="Intellicus Relative Path" value="/Intellicus" />
  <add key="Login Page Path" value="" />
</appSettings>
```



**Important:** The relative path should start from the first folder inside the host application's folder name and end with "Intellicus". For example, if application folder structure is:

C:\f1\hostapplication\f2\f3\Intellicus, then relative path would be "/f2/f3/Intellicus".

If the path is not specified in this way, Intellicus DotNet Client will not be able to find config files and resources required to display the required page. As a result of this, user will receive "HTTP – 404 Page cannot be found" error.

**Important:** Delete /HostApplication/Intellicus/web.config after this activity is completed.

## Handling session timeout

When session time-out occurs, all the session information is lost and application needs to display login page.

Intellicus DotNet Client collects login information from Web.Config file. This file contains the URL to be called in event of session timeout. Until changed, this URL points to Intellicus' login page – Login.aspx. This may not be correct in an integrated environment.

You need to change Login.aspx to the host application's login page URL. Host application's login page needs to have code for redirection after successful authentication.



To change the URL, open the file Web.Config located in Intellicus folder and specify the URL of host application Login Page.

```
<add key="Login Page Path" value="/f1/Login.aspx"/>
```

Where, f1 is the directory in the host application which contains Login.aspx.

If you want to open the called page, extract the value of encryptURL query string parameter and use in the code of login page.

## Specifying Intellicus logs related information

### (Adding contents in Log4NetConfig.xml file)

Information about Intellicus is stored in logs. This information can be used for debugging, if required.

### When logs in host application are not maintained through Log4NetConfig.xml

Copy /HostApplication/intellicus/Log4NetConfig.xml to /HostApplication folder.

In /HostApplication/Log4NetConfig.xml, replace

```
<param name="File" value="client/logs/DotNetClient.log"/>
```

with

```
<param name="File"
value="intellicus/client/logs/DotNetClient.log"/>
```

### When logs in host application are maintained through Log4Net

In /HostApplication/Log4NetConfig.xml, replace

```
<param name="File" value="client/logs/DotNetClient.log"/>
```

with

```
<param name="File"
value="<relative file path including file name of log file>"/>
```



**Important:** Delete /HostApplication/intellicus/Log4NetConfig.xml after this activity is completed.

## Providing Access Privileges

Please refer "Post Installation Instruction" section of "InstallingIntellicusDotNetClientOnWindows.pdf" document.

## Setting IIS properties

Please refer "Post Installation Instruction" section of "InstallingIntellicusDotNetClientOnWindows.pdf" document.