



# Installation Guide: Road to IELTS Academic on a webserver

## Introduction

This document provides installation instructions for **Road to IELTS Academic** on a webserver so that your learners can access it online.

## Which webserver can I use?

Windows IIS, ASP scripting and either SQLServer or an Access database;  
or Apache/IIS, PHP scripting and MySQL database.

## Where do I download the software?

Download the files from

- [www.ClarityEnglish.com/downloads/Common.zip](http://www.ClarityEnglish.com/downloads/Common.zip)
- [www.ClarityEnglish.com/downloads/RoadToIELTS-Academic.zip](http://www.ClarityEnglish.com/downloads/RoadToIELTS-Academic.zip)
- licence.zip - your licence file will have been attached to your welcome email.

## Where do I extract the ZIP files to?

The program's default configuration assumes that you extract to a folder that you can share on the webserver as **Clarity**. See later if you prefer an alternative name.

These instructions use an example of a physical folder called `\\server01\webapps\Clarity` and a webshare (IIS) or alias (Apache) name of **Clarity**. Substitute your own folder and name for actual use.

Extract all the ZIP files to this folder, they will create their own subfolder structure. Extract the licence file last (it overwrites the evaluation licence in the main ZIP files).

## What permissions do I need to set?

All permission checking within the program is done through the anonymous user account on the webserver.

From Windows IIS, open your webserver and find the folder you have shared for the Clarity programs. Right click on it and choose **Properties**. Then choose the Directory Security tab and click on the Edit button in the **Anonymous Access and Authentication** section. Tick the first box for Anonymous Access and confirm the User name is **IUSR\_server01** (or whatever your server is called). Click **OK**.

## Which database is used?

The program defaults to using an Access database to hold progress and licence data. You can change to run with a MySQL database or with SQLServer as follows:

**MySQL**. You must use PHP scripting with MySQL. Edit `/Clarity/RoadToIELTS-Academic/location.ini` and change the items `&scripting=ASP` to `&scripting=PHP` and `&database=Access` to `&database=MySQL`

Edit `/Clarity/Database/dbDetails-MySQL.php` and add in your database host, user and password.

**SQLServer**. You must use ASP scripting with SQLServer. Edit `/Clarity/RoadToIELTS-Academic/location.ini` and change the item `&database=Access` to `&database=SQLServer`

## How do I create the database?

**Access**. You do not have to do anything as the database is extracted from the ZIP files (`/Database/score.mdb`). It has a password of **ClarityDB** if you need to open the database using Microsoft Access.

**MySQL**. Run the script `/Database/dbSetupForMySQL.sql` using your MySQL admin utility. This will create a database called **score** with all the tables you need.

**SQLServer**. Run the script `/Database/dbSetupForSQLServer.sql` using your SQLServer admin utility. This will create a database called **score** with all the tables you need.

## If my webshare or alias is not Clarity?

In each of the following files you will need to run a global change of **Clarity** to your webshare name. If you are using SQLServer instead of Access, then substitute **SQLServer** for the folder name instead of **Access** in all the paths below.

- `/RoadToIELTS-Academic/*.html,*.asp,*.php`
- `/RoadToIELTS-Academic/location.ini`
- `/Software/Common/Source/Access/dbPath.asp`
- `/Database/dbDetails-Access.asp`

## What PHP settings do I need?

The default setting of `display_errors` is `E_ALL & ~E_NOTICE`. Some code in the software reports warnings of undefined variables on some PHP systems so if your `display_errors` is set to `E_ALL`, this will interfere with communication between the program and the PHP scripts.

Some installations have to be in a top-level folder as the scripts fail to map `\\server01\webroot\apps\Clarity` to the alias **Clarity**.

## Troubleshooting

If you cannot successfully type a username and password, then probably the scripts are not linking to the database. The most likely reason for this is that the relative paths are not set correctly. The scripts used to pass information to the database are in the **MySQL**, **SQLServer** and **Access** folders of `\Software\Common\Source`. These all use `dbPath.*` to point to the `\Database` folder where the details of your database are set. Check the paths in the `dbPath.*` file to make sure they match your installation.

To test that this communication is working run the following scripts to check that reading and writing are successful.

- `http://server01/Clarity/Software/Common/Source/MySQL/dbCheck.php` or
- `http://server01/Clarity/Software/Common/Source/Access/dbCheck.asp`.



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## Installing many Clarity programs

- If you have to install more than one Clarity program, then you do not need to download and extract Common.zip again.
- You do not need to do the database configuration and setup again.
- You will only need to make changes to any files if you have a different webshare or alias. See above.

## Your licence

Your licence controls the expiry date of your subscription and the number of learners who can use the program. When you renew your subscription or extend the number of learners, Clarity will send you a new licence. This will come as a ZIP file attached to an email. Simply extract it into the main Clarity folder, **\\server01\webapps\Clarity**, and it will put the licence into the RoadToIELTS-Academic folder.

## Remote installation

### Free offer!

If you need to install to a webserver with public access and do not have any technical support team, then we will be happy to complete the installation for you, free of charge. You will need to give us FTP access to the server, and authority to use any database admin tool you have. Just email to [support@clarity.com.hk](mailto:support@clarity.com.hk) and we will help you.

## Support

### Online support

Please visit [www.ClaritySupport.com](http://www.ClaritySupport.com) and click on the Technical section for full details of all Clarity programs. You will also find upgrade information and details of any known bugs.

### Technical support

If at any time you have any queries, please do not hesitate to contact our Technical Support team:

Email: [support@clarity.com.hk](mailto:support@clarity.com.hk)  
Phone: Hong Kong +852 2791 1787  
UK 0845 130 5627