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| http://www.diamondd.biz/web/wp-content/themes/productum/styles/fresh_blue/logo.png |
| Deployment Guide |
| |  | | --- | | This guide describes steps that are required in order to deploy DiamondD Student Portal on a server. | |
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| **Version:** 1.1 |

Revision History

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| --- | --- | --- | --- |
| Version | Date | Changed By | Description |
| 1.0 | Mar 31, 2011 | Muhammad Ali | Initial Version. |
| 1.1 | April 1st, 2011 | Muhammad Ali | Updating MVC configuration setting for IIS 6.0 |
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Deployment Guide

# Introduction

This guide explains steps that are required in order to deploy the DiamondD Student Portal on a server.

# Assumptions

This guide assumes that

* Published copy is already present on the server where deployment is being done.
* IIS version 6.0 or higher is installed.
* .NET Framework 4.0 is installed.
* ASP.NET MVC 2.0 is installed.
* ASP.NET 4.0 is registered with IIS.
  + For 32-bit systems, open command prompt and use the following command to register

c:\Windows\Microsoft.NET\Framework\v4.0.30319\aspnet\_regiis.exe -i

* + For 64-bit systems, open command prompt and use the following command to register

c:\Windows\Microsoft.NET\Framework64\v4.0.30319\aspnet\_regiis.exe -i

* Database is properly configured.

# Deployment Steps

## Creating Directory for Published Copy

Go to C drive and at the root, create a directory and name it after the school name (for which deployment is being done) and paste the published copy in it.

Directory structure will become like the following:

C:\ SchoolName\StudentPortal

## Application Log Directory

Create a directory at the root of C drive and name it as Log (path will be C:\Log\SchoolName). Here all the application logs will be placed.

## IIS Configuration

* Open IIS manager.

### For IIS 6.0

Create a virtual directory by using the steps below:

* Go to IIS Manager 🡪 <Computer Name> (local computer) 🡪 Default Web Site.
  + Right click on Default Web Site 🡪 New 🡪 Virtual Directory
* Name its alias according to the school’s name.

For example, if school name is DiamondD, then virtual directory alias would be

‘diamondd-portal’.

* While entering Path, browse and select ‘C:\<SchoolName>\StudentPortal’.
* Make sure ‘Run scripts’ (such as asp) option is checked. Complete the wizard.
* Once you have created the virtual directory, right click on it and select ‘Properties’ 🡪 Directory Security 🡪 Edit. Make sure ‘Enable anonymous access’ is checked. Press OK.
* Go to ASP.NET tab and make sure selected ASP.NET version is 4.0.x. Press Apply.
* Go to Documents tab and click on Add..
  + Enter Default.aspx against ‘Default content page’ field. Press OK.
  + Select Default.aspx and Press Move Up button repeatedly to bring it as the first entry in the list. Press Apply.
* Go to Virtual Directory Tab 🡪 Press Configuration button.
  + Go to Mappings Tab 🡪 Press Add button.
  + Enter the following path in Executable field

c:\Windows\Microsoft.NET\Framework\v4.0.30319\aspnet\_isapi.dll

**Note:** For 64 bit systems, the path would be

c:\Windows\Microsoft.NET\Framework64\v4.0.30319\aspnet\_isapi.dll

* + Enter ‘.mvc’ in Extension.
  + Uncheck ‘Check that file exists’ check box.
  + Press OK to close each dialog.

### For IIS 7.0

Create an application by using the steps below:

* Go to IIS Manager 🡪 <Computer Name> (local computer) 🡪 Default Web Site.
* Right click on Default Web Site 🡪 Add Application.
* Name its alias according to the school’s name. For example, if school name is DiamondD, then virtual directory alias would be ‘diamondd-portal’.
* Click the Select button next to Application Pool
  + From the Application Pool combo box, select ‘ASP.NET v4.0’.
  + Press OK.
* While entering Physical Path, browse and select ‘C:\<SchoolName>\StudentPortal’.

## Application Configuration

* Go to C:\<SchoolName>\StudentPortal and open Web.Config file in a text editor.
* Go to the bottom of the document and find ‘file’ element (a child of ‘appender’ element).
* Change the ‘value’ attribute of ‘file’ element and set it to ‘C:\<SchoolName>\Logs\dd\_log.txt’
* Save and close the document.
* Now open ‘C:\<SchoolName>\StudentPortal\DiamondD.Data.config’ file and provide the following information:

|  |  |
| --- | --- |
| Field | Value |
| Server | Database Server |
| Database | Database Name |
| User Id | Database Username |
| Password | Password for the user mentioned in ‘User Id’ |

## Testing Deployment

Open your browser and enter the following URL and follow the following steps to ensure student portal has been correctly deployed.

http://<IP>/<StudentPortal-Virtual-Directory-Alias>/Default.aspx

where

**<IP>** is the IP of the server where deployment was made.

**<WebService-Virtual-Directory-Alias>** is the virtual directory alias created in [3.3 IIS Configuration](#_IIS_Configuration).

You should see the Login page. Enter credentials and check if you can be logged in successfully. Furthermore, check some of the reports and go to settings and make sure you can view/change the data. You may like to revert the changes that you just made by again entering the previous data.