

# LOD Data GW Installation (1.0)

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# 1. Installation of IIS Role in Windows Server (2008R2 or later Operating System)

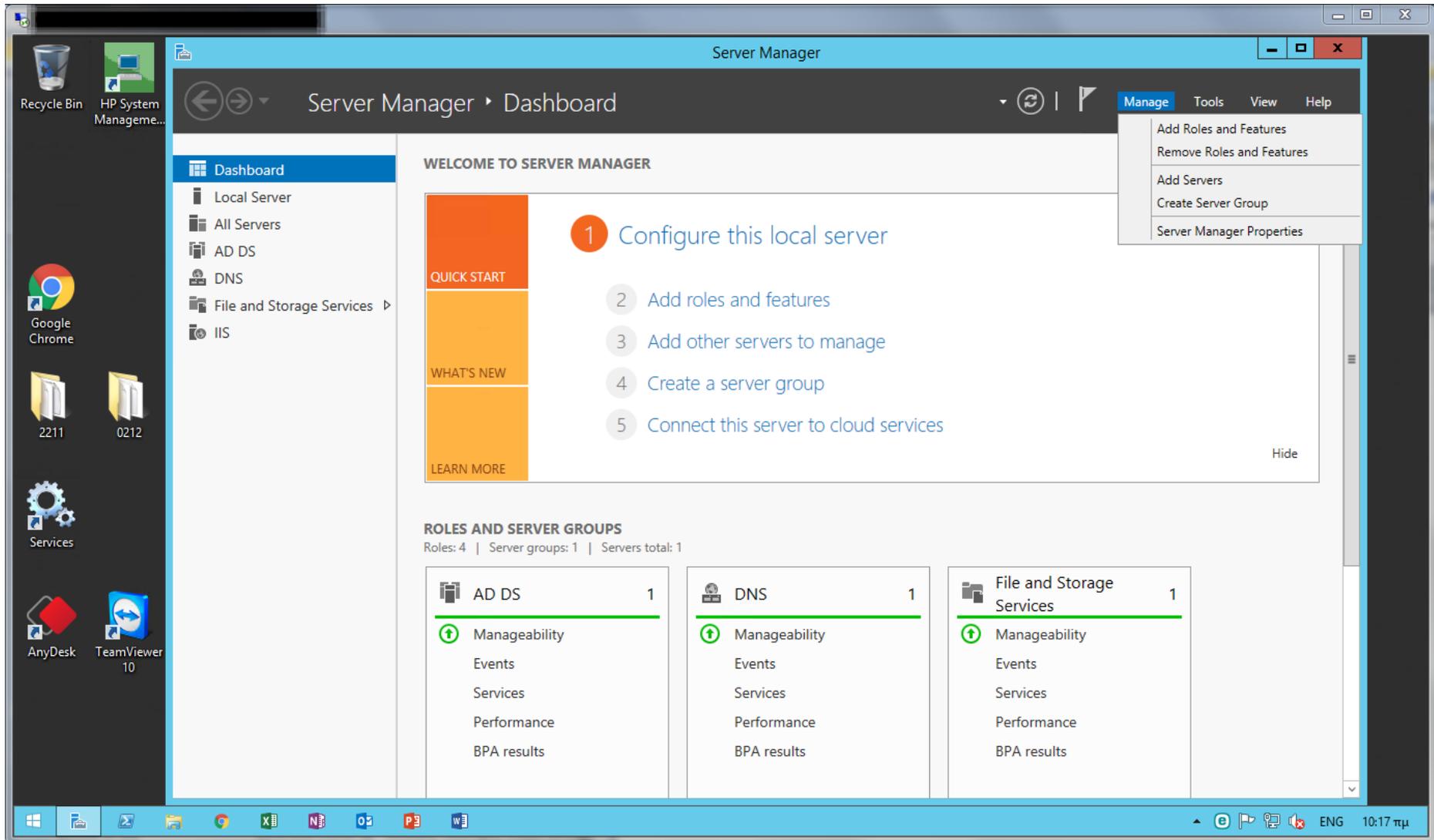


Figure 1

Please install the required role of IIS in Windows 2008R2 or later Server Operating System. That can be done by navigating to Server Manager => Manage => Add Roles and Features

## 1. Installation of IIS Role in Windows Server, continued (2008R2 or later Operating System)

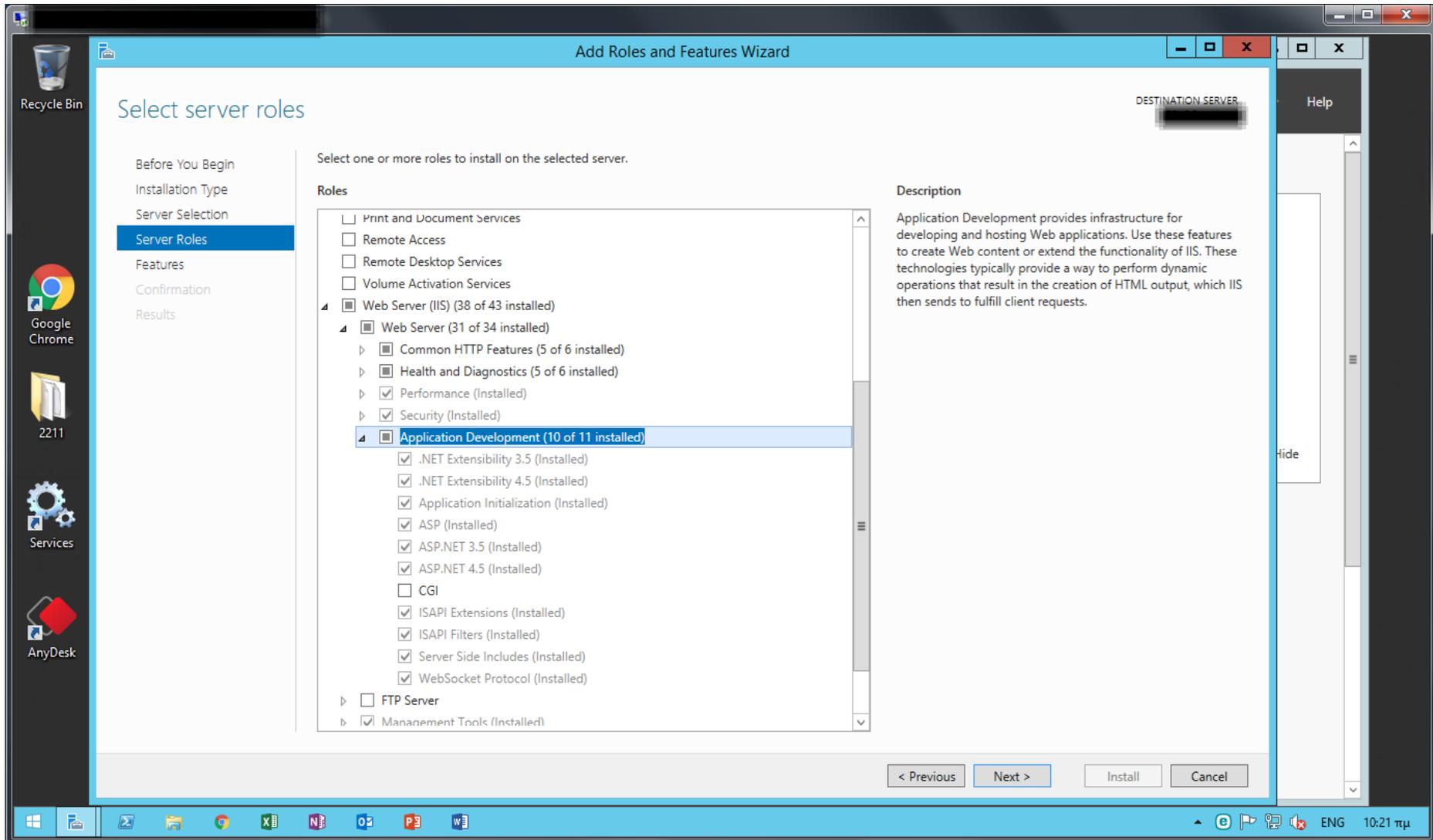


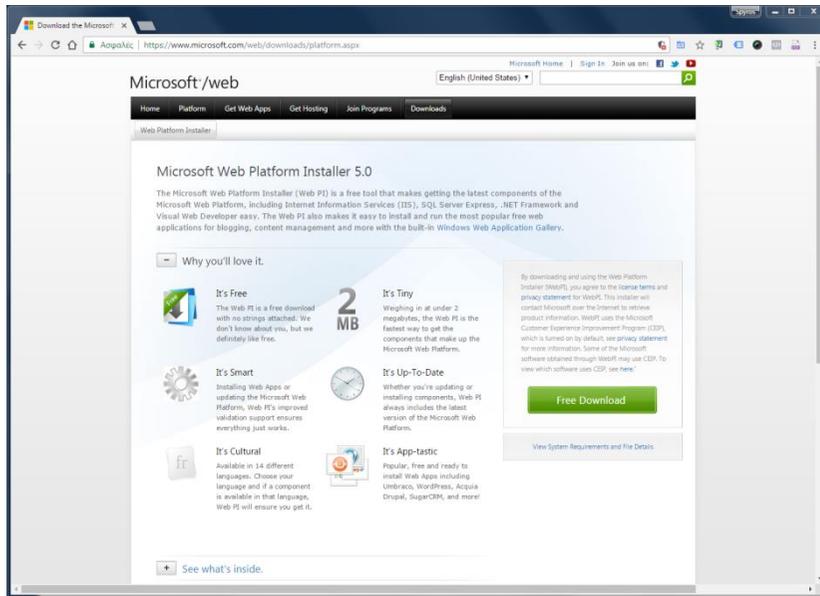
Figure 2

In Server Roles please check all features except CGI under Web Server (IIS) => Web Server => Application Development

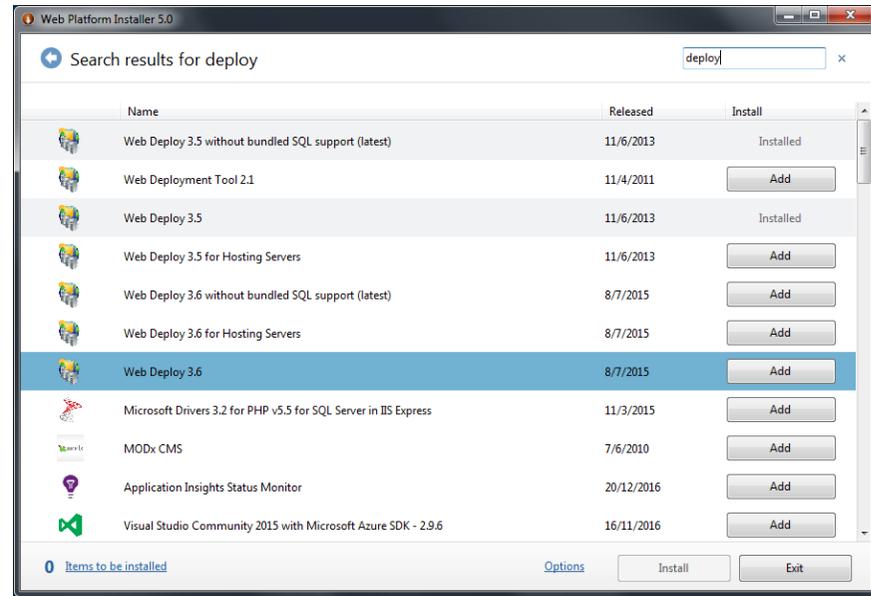
Please verify that you have the latest version of .net 4.6 on your server after installing IIS.

Use the following link: <https://www.microsoft.com/en-us/download/details.aspx?id=53344>

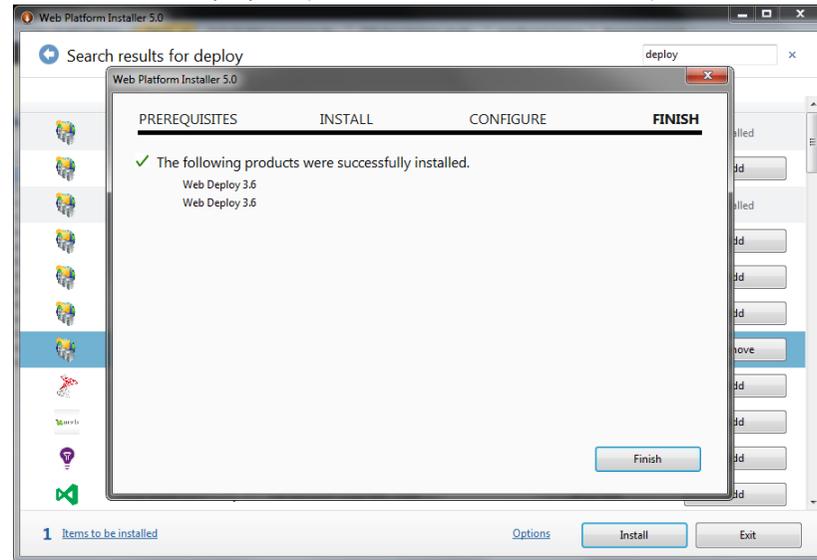
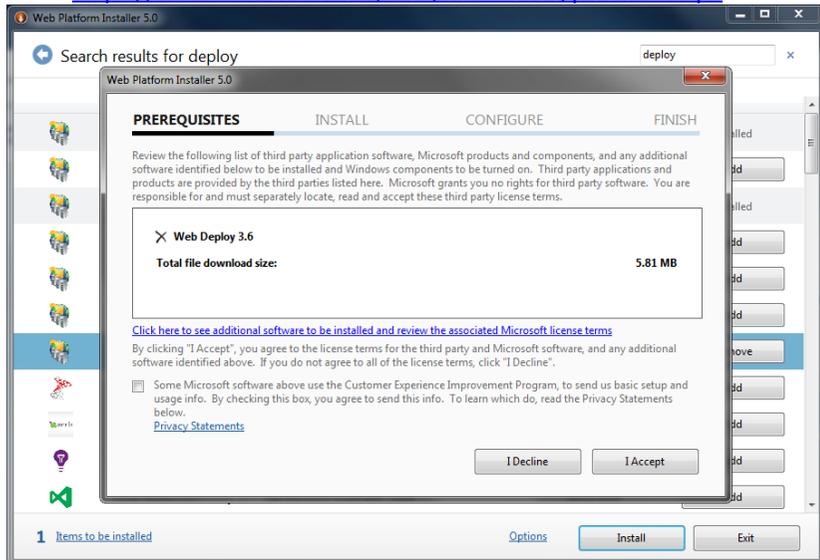
## 2. Installation of Web Deploy in Windows Server (2008R2 or later Operating System)



**Figure 3.1**  
Download and run the file wpilauncher.exe (Web Platform Installer) from: <https://www.microsoft.com/web/downloads/platform.aspx>



**Figure 3.2**  
After launching the Web Platform Installer please search for “deploy” to find and install the Web Deploy 3.6 (Please click Add and the Install)



### 3. Installation of LOD Data Gateway (Step 1 of 8)

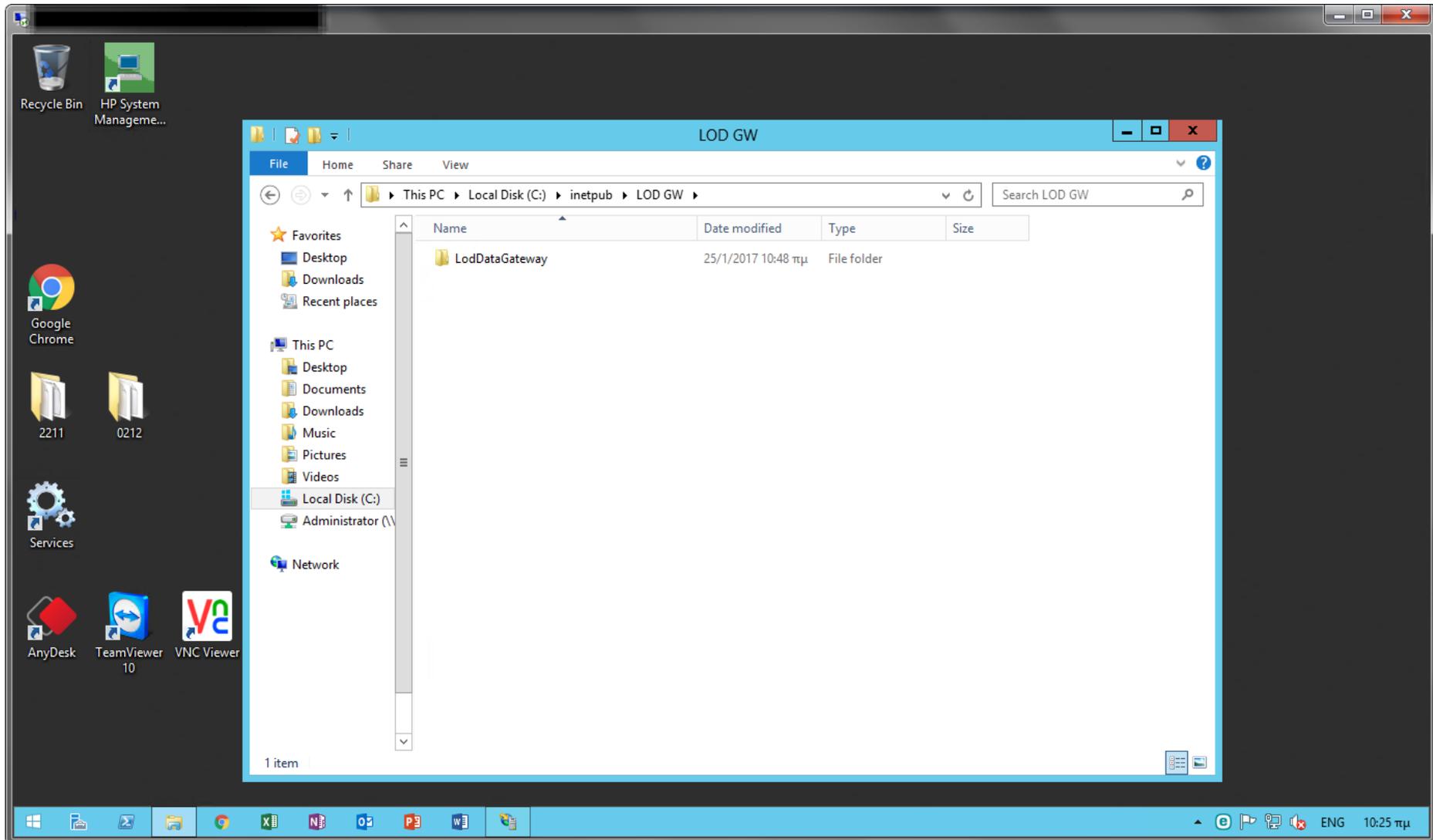


Figure 4

First please create a directory that will hold LOD GW files in your file system (Preferably under C:\inetpub\LOD GW)

### 3. Installation of LOD Data Gateway (Step 2 of 8)

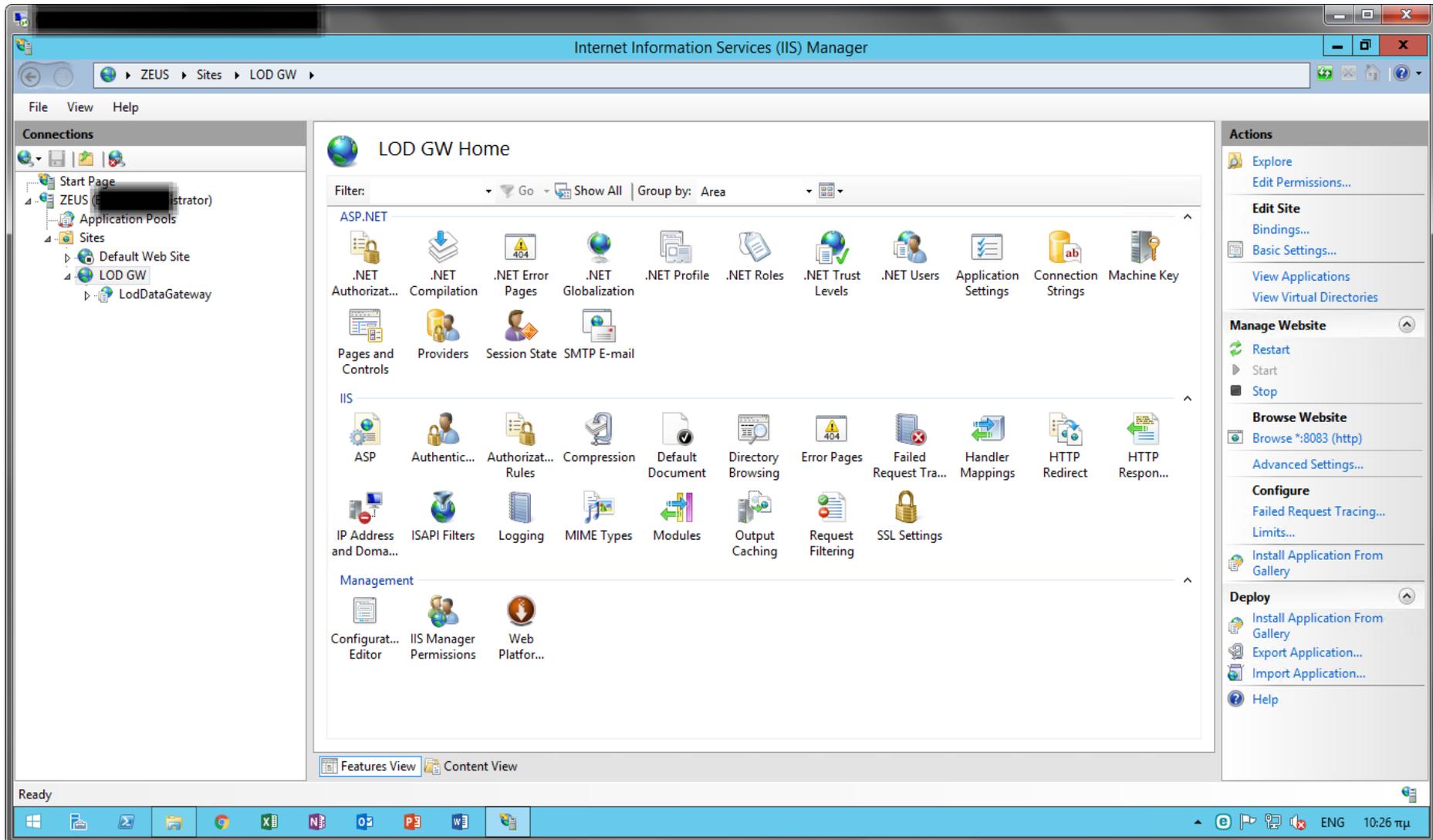


Figure 5

Please open IIS Manager (Click [Window Key] + R and in the command prompt type inetmgr and press Enter)

Create a New Web Site with Site name LOD GW that has the previously created folder (C:\inetpub\LOD GW) as Content Directory (Physical path).

For IP Address and Port please leave All Unassigned and 8083.

(You will need to create a port redirection in your Router and also create a Rule in Windows Firewall to allow traffic to that port)

### 3. Installation of LOD Data Gateway (Step 3 of 8)

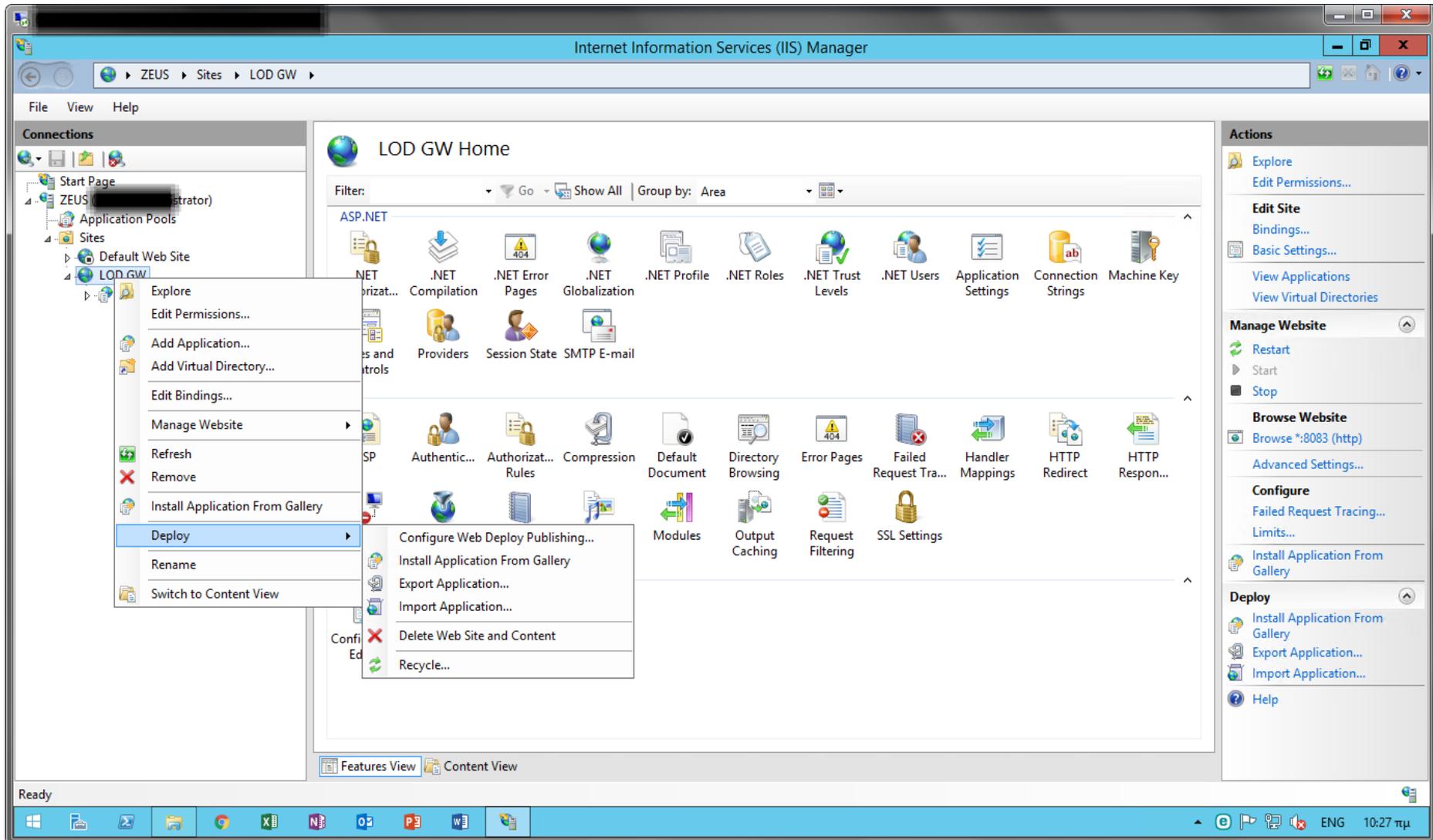


Figure 6

Right click on your LOD GW Website and from option Deploy => Import Application, select the zip file that contains the latest version of the LOD GW Application. The latest version of LOD Data Gateway is available at:

<https://bs2.cdn.telerik.com/v1/ahdtosob2z26cbmi/d1e29930-dd66-11e6-8e81-0ff677a8fd61?2017118104113>

### 3. Installation of LOD Data Gateway (Step 4 of 8)

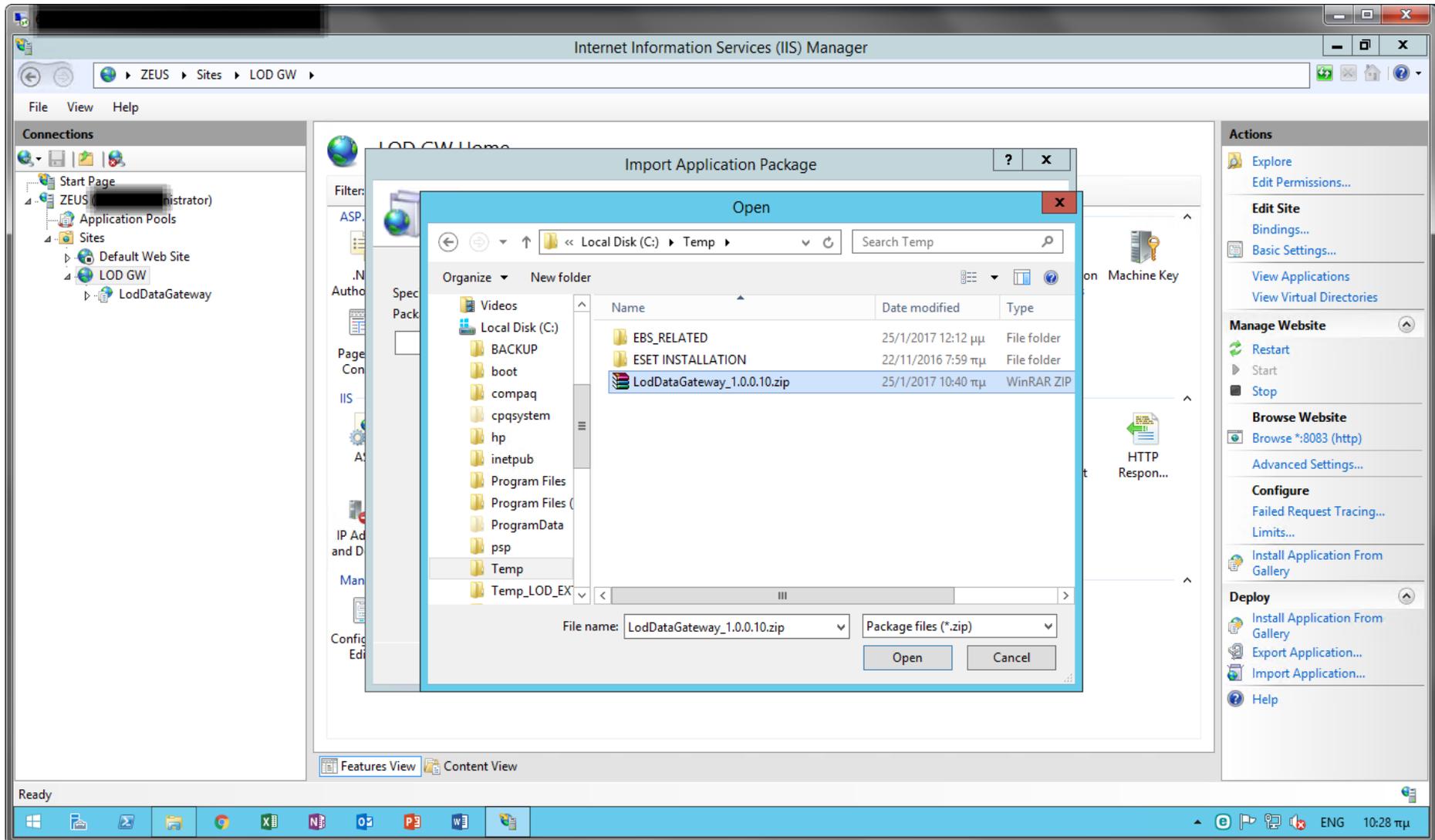


Figure 7

Click the LodDataGateway\_LatestVersion.zip file and Open.

### 3. Installation of LOD Data Gateway (Step 5 of 8)

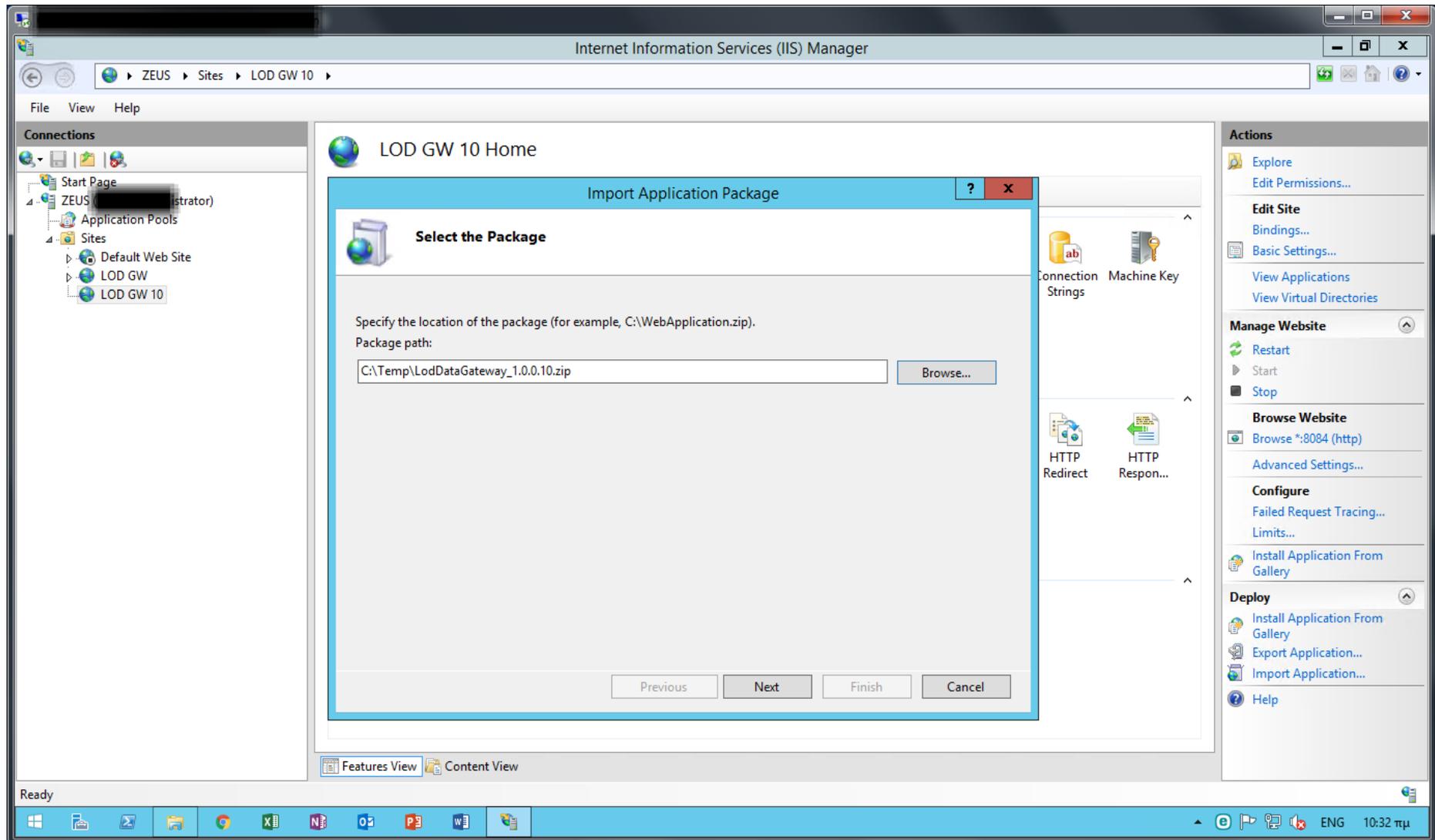


Figure 8

The LOD Data GW Package is now selected. Please click Next.

### 3. Installation of LOD Data Gateway (Step 6 of 8)

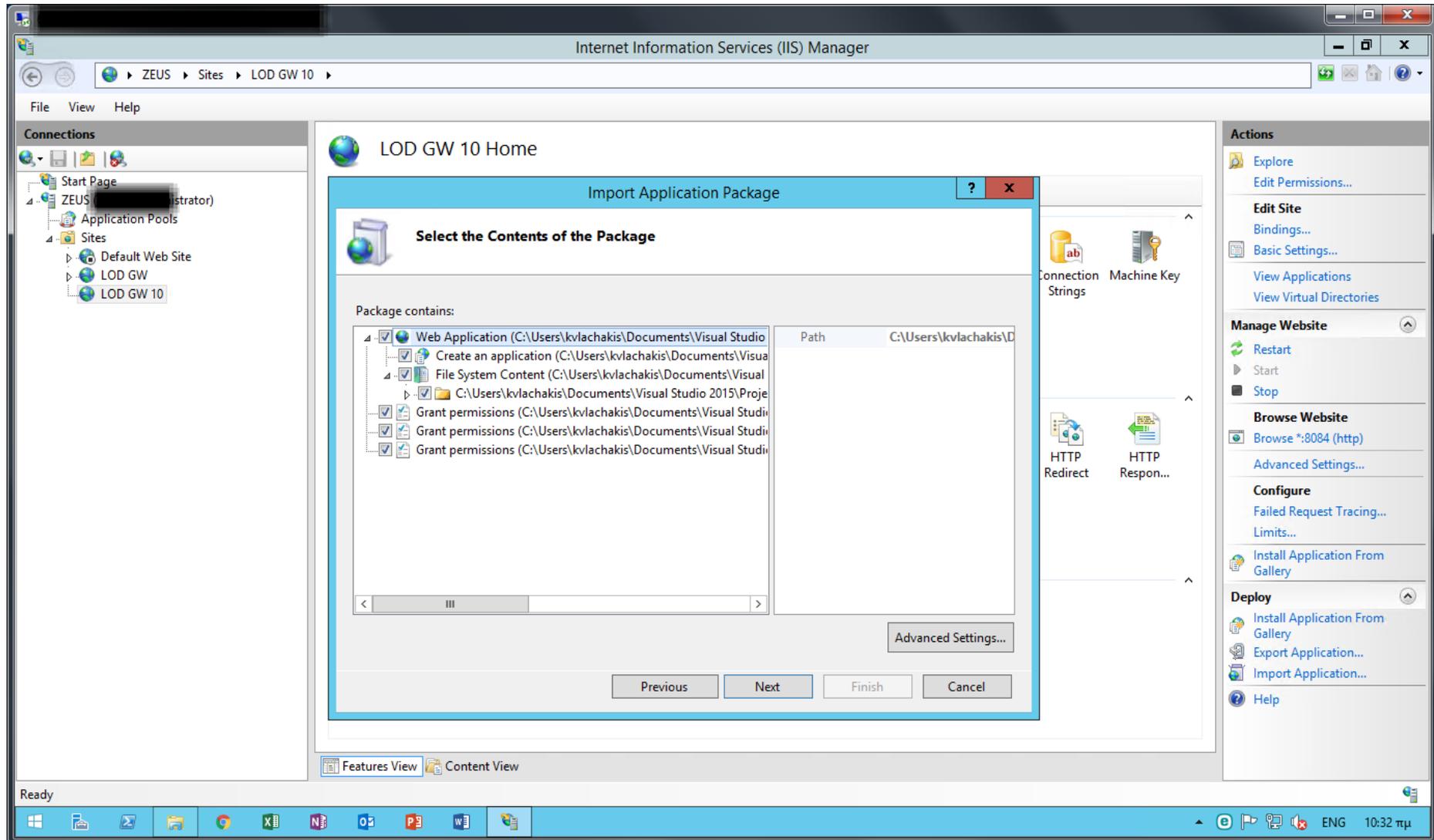


Figure 9

The LOD GW Package contents are listed. All should be selected. Please click Next.

### 3. Installation of LOD Data Gateway (Step 7 of 8)

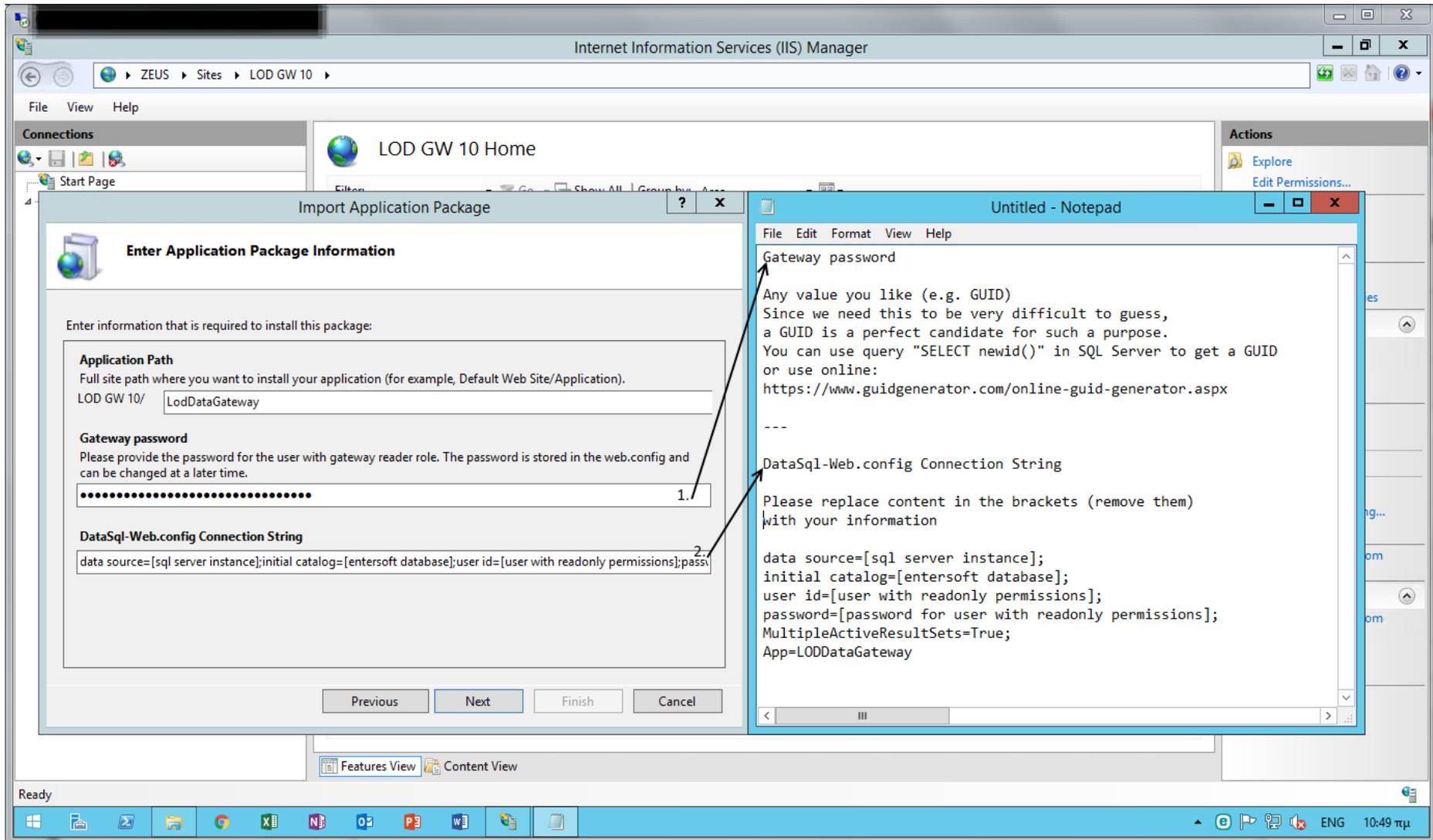


Figure 10

In this dialog you need to setup the parameters of LOD Data GW Application. Please leave the Application Path as is and change the Gateway password and DataSql-Web.config Connection String as instructed in the sibling notes. For SQL information please see the following pages (12-13-14).

For Gateway password please create a very strong password using a GUID generator website or an SQL query.

You can use query "SELECT newid()" in SQL Server to get a GUID, or use online: <https://www.guidgenerator.com/online-guid-generator.aspx>

### 3. Installation of LOD Data Gateway (Step 8 of 8)

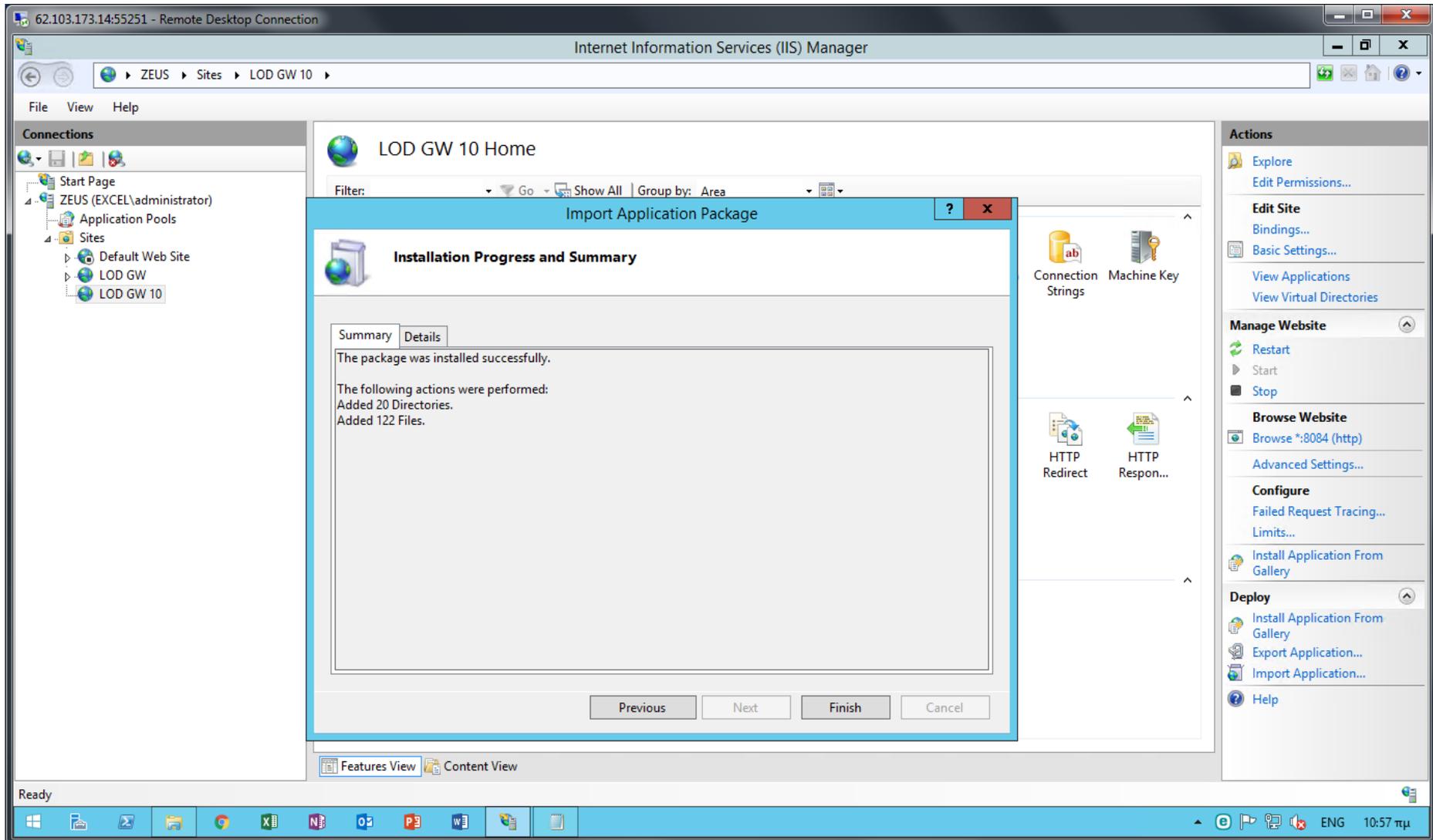


Figure 11

LOD Data Gateway is now installed.

Please check that the website is installed correctly by browsing this url: <http://localhost:8083/loddatagateway/api/availability>

## 4. SQL Server Security Setup

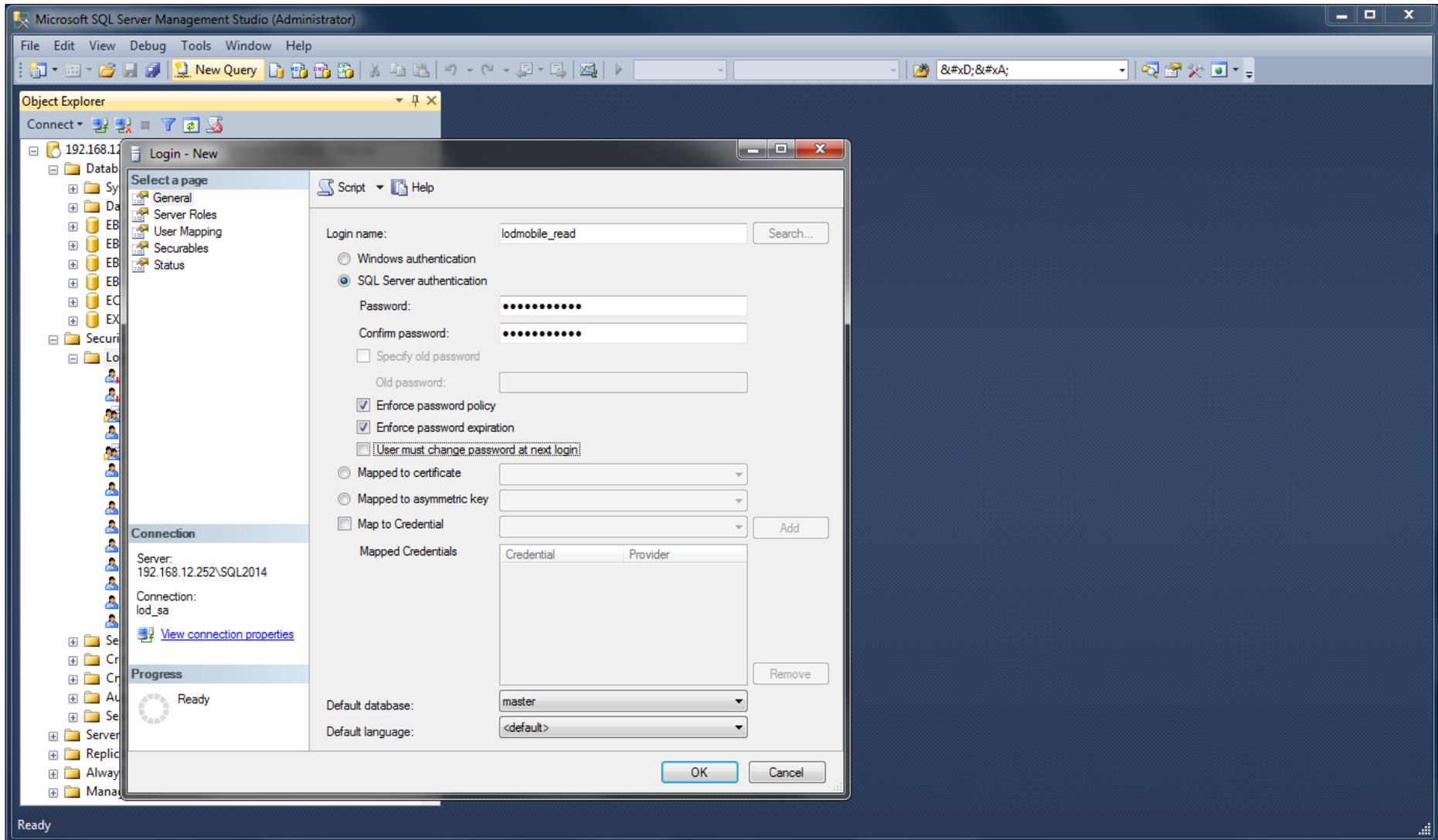


Figure 12

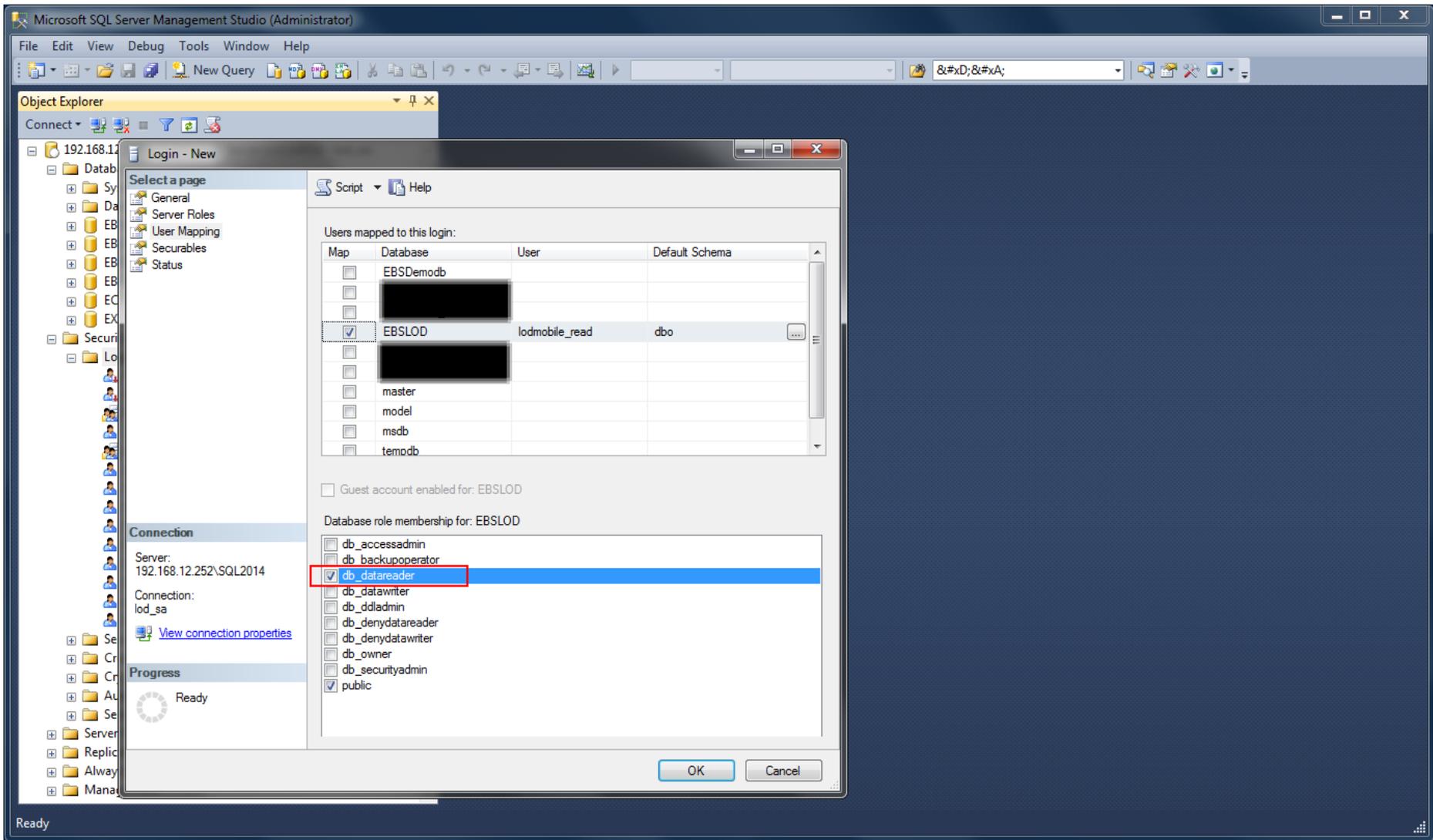


Figure 13

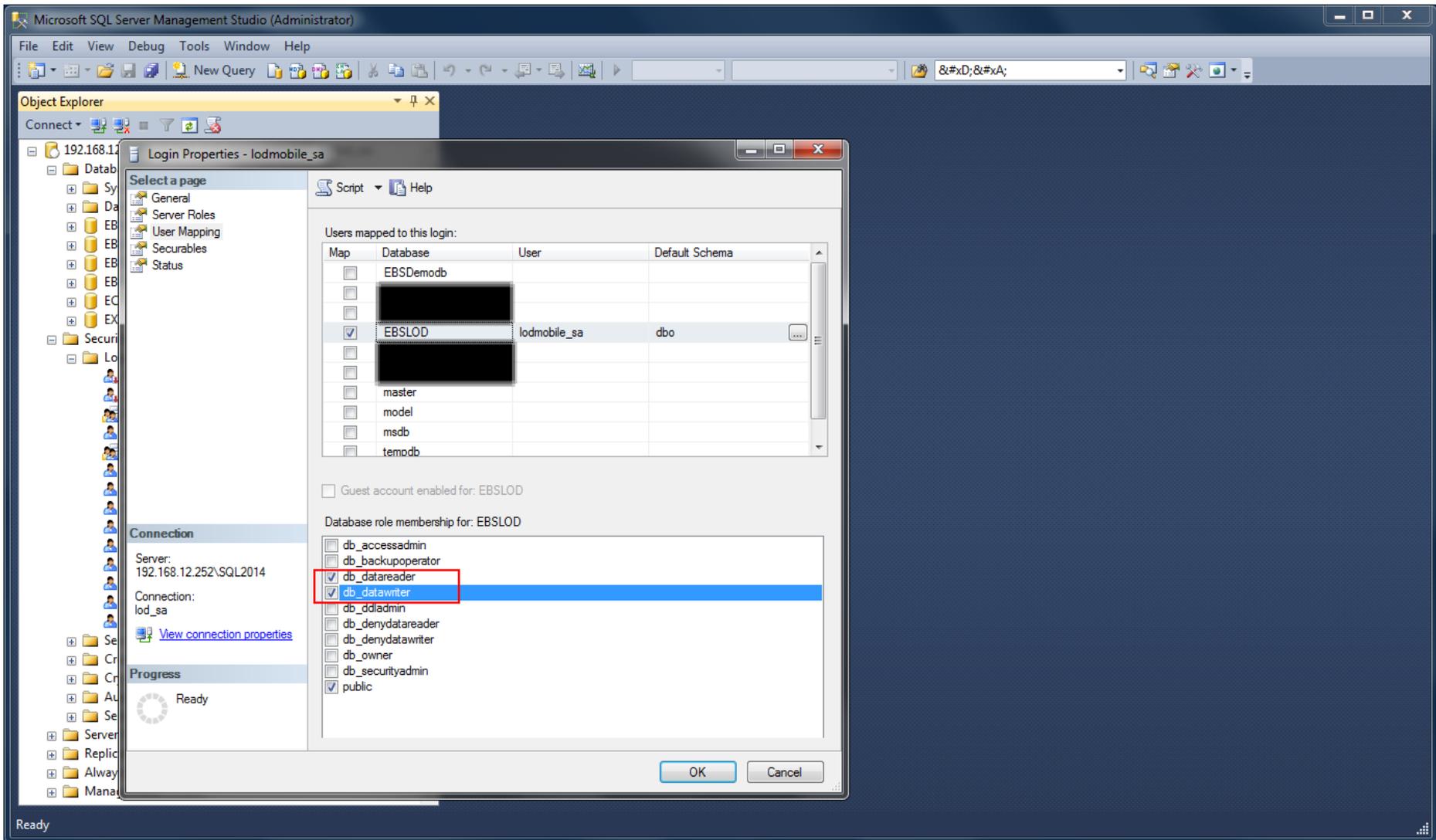


Figure 14

Please login as administrator to the SQL Server that LOD Data GW Application will read data from and create 2 new logins. The first login is a db\_datareader account that will be used on Installation of LOD Data Gateway (Step 7 of 8), the login name could be lodmobile\_read. The second login is a db\_datawriter account that will be used later when we need to create (or alter) the views LOD Data GW is using to retrieve data from your database, the login name could be lodmobile\_sa.

## 5. LOD Data Gateway Setup (Step 1 of 4)

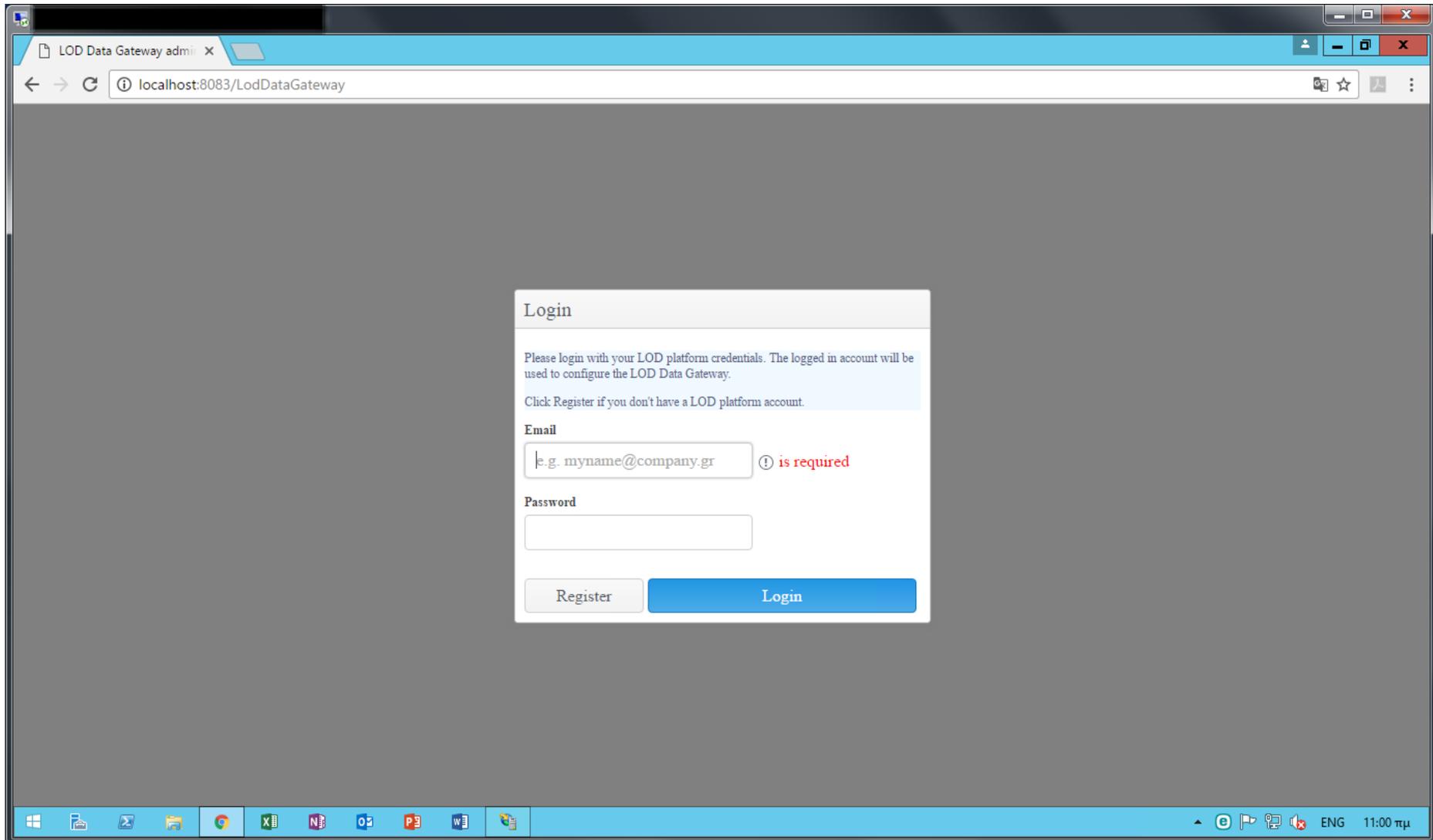


Figure 15

Please browse this url: <http://localhost:8083/loddatagateway>

You will need to create (register) a new user account for your client's domain. This login will be the administrator of the LOD Data Gateway for that domain.

LOD Platform will only accept private domains and not public e.g. google.com, live.com etc.

The registration process will send a verification email and your client need to reply in order to activate the account.

## 5. LOD Data Gateway Setup (Step 2 of 4)

LOD Data Gateway configuration

Gateway setup Application setup SQL setup

General instructions: Here you can change the Gateway settings stored in the LOD platform. If it is the first time you setup the server follow the instructions below each setting.

Company:  
example.gr  
Instruction: This value is automatically generated from the logged in user.

Gateway Username:  
GatewayReader  
Instruction: This value is automatically generated from the server settings.

Gateway Password:  
88D...7004F  
Instruction: This value is automatically generated from the server settings. It is hashed with SHA1 for safe save in the LOD platform.

Has Local  
  
Instruction: This is usefull if the companies router cannot serve the external domain from inside, ex: office.lod.gr.

Local Url:  
http://192.168.1.251:8083/LodDataGateway  
Instruction: The internal server ip or name with the protocol(http or https) and port if needed, ex: http://192.168.22.222:8080.

External Url:  
http://62...8083/LodDataGateway  
Instruction: The external domain name with the protocol(http or https) and port if needed, ex: http://office.lod.gr:8080.

Has Https  
  
Instruction: This is used to override the external url protocol when the LOD platform communicates with the server to obtain the bearer token for the client to use.

Save

Figure 16

Please browse this url: <http://localhost:8083/loddatagateway> and login using the email and password you created in the previous step. After successful login to LOD Data Gateway configuration website you will need to enter the information about LocalUrl and ExternalUrl. Please enter the correct information in the format: `http://localurl:localport/LodDataGateway` and `http://externalurl:externalport/LodDataGateway`. All other information is already filled and you don't need to change them.

## 5. LOD Data Gateway Setup (Step 3 of 4)

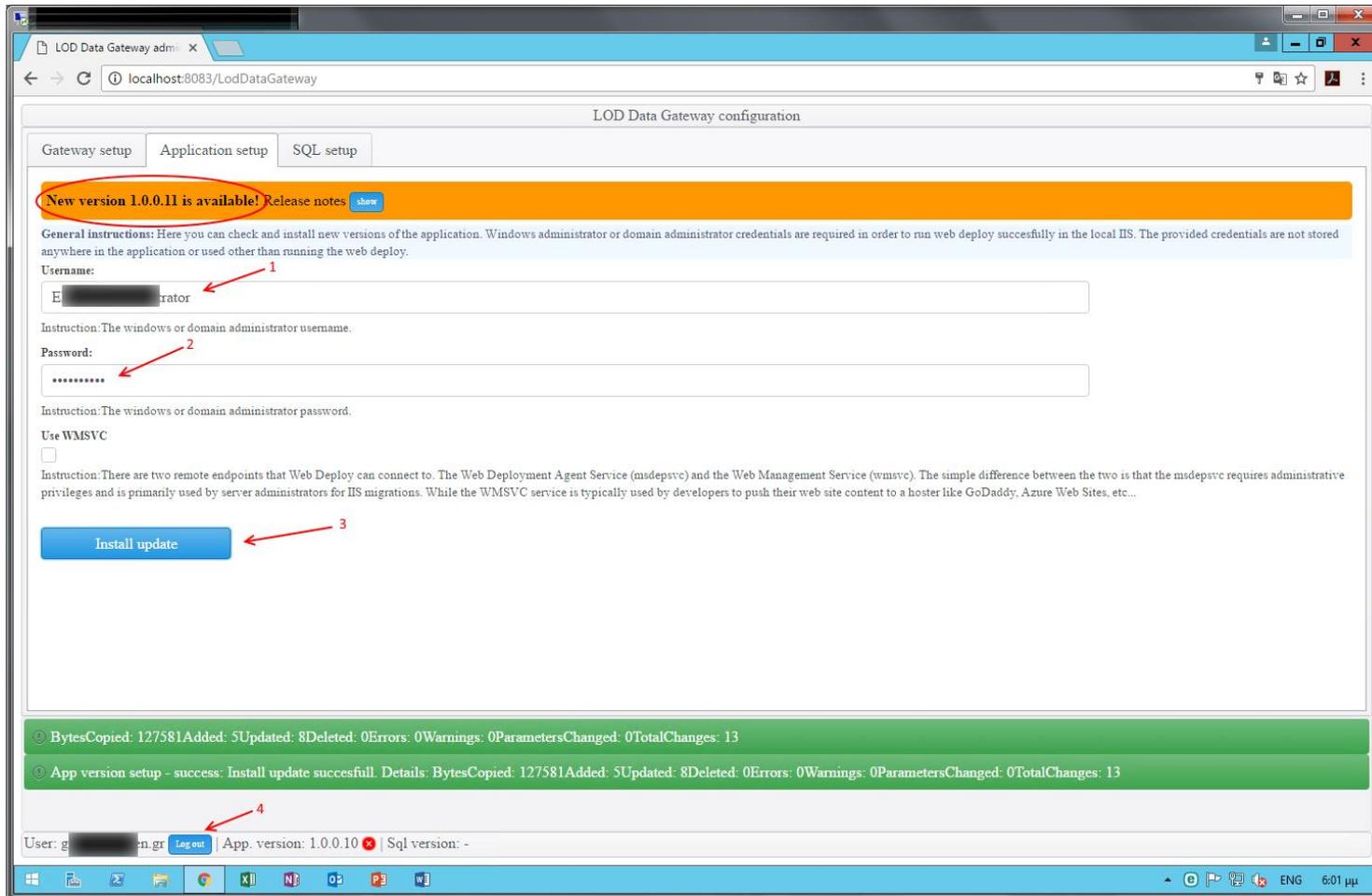


Figure 17

Please browse this url: <http://localhost:8083/loddatagateway> and login using the email and password you created in a previous step. If there is a new version available please enter Username and Password of a local (or DOMAIN) administrator (1,2) and click on [Install update] button (3). Please Log out (4) and login again to use the new version of the application.

## 5. LOD Data Gateway Setup (Step 4 of 4)

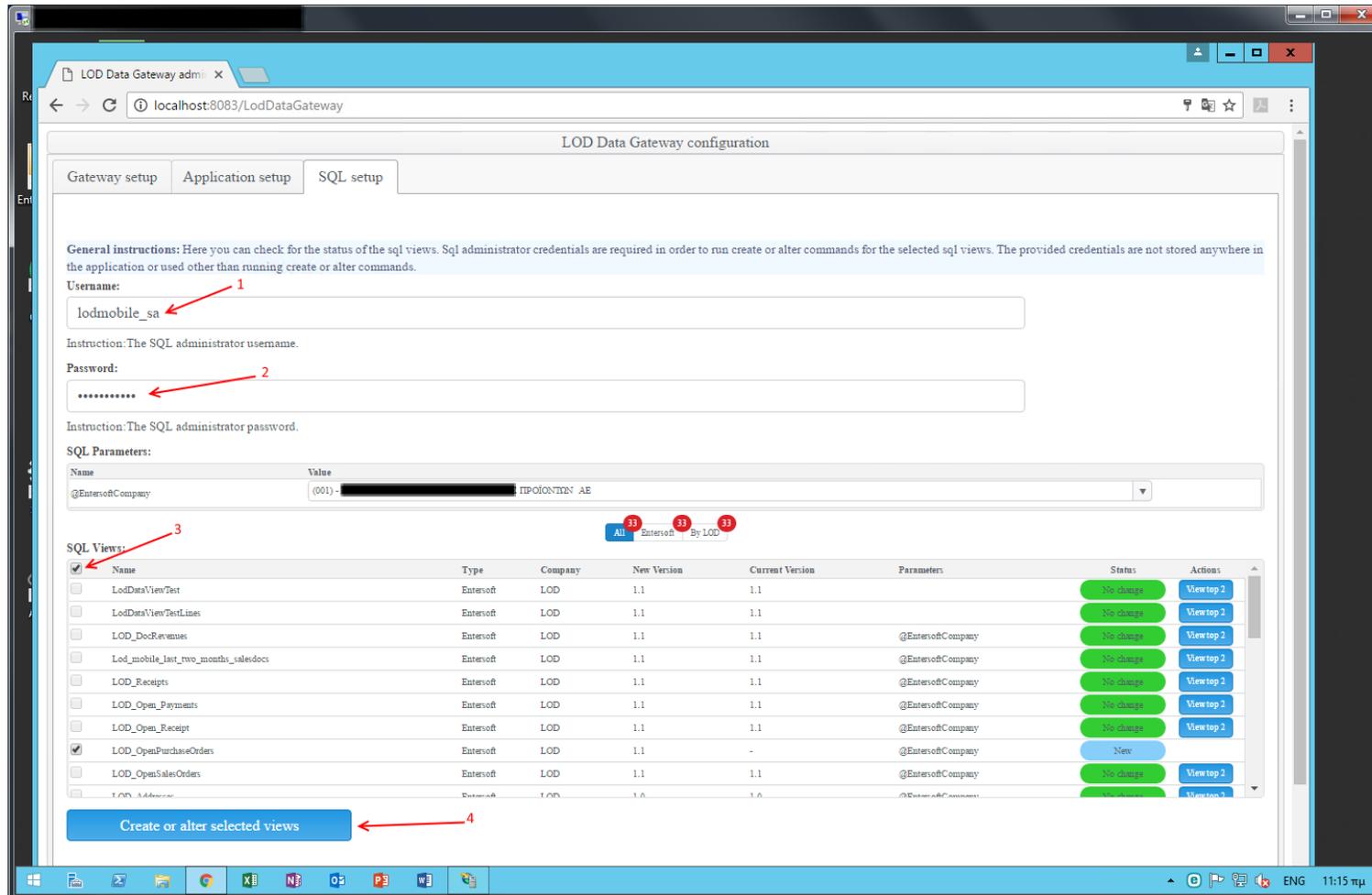


Figure 18

Please browse this url: <http://localhost:8083/loddatagateway> and login using the email and password you created in a previous step. After successful login to LOD Data Gateway configuration website you will need to click SQL setup tab and enter the information of the SQL datawriter account you created in the SQL Server Security Setup (1 and 2). Next you need to click on the checkbox (3) located at the header row of the SQL Views list and using the button [Create or alter selected views] (4) finish the setup of LOD Data Gateway.