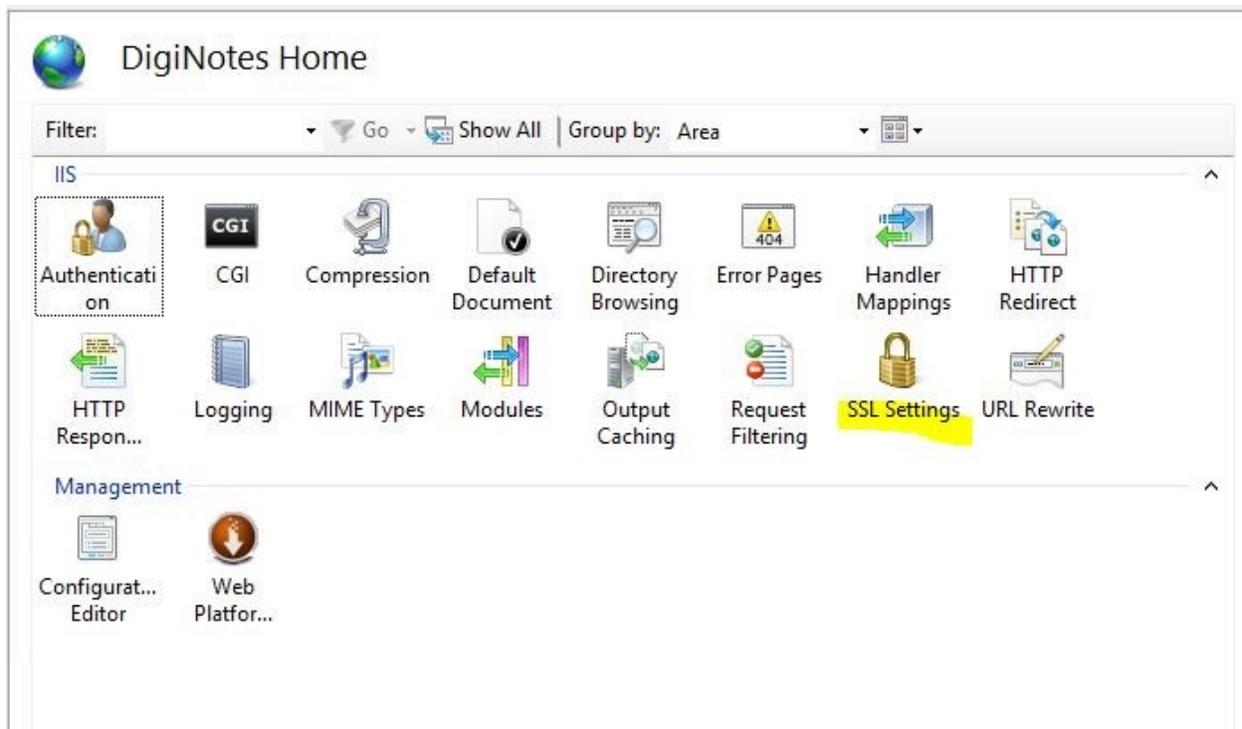


## Client Authentication With IIS 8 (Windows Server 2012) One to One Mapping.

When setting up Client Authentication I did IIS Specific rather than Active Directory. To set this up, you will first need to set your site to require SSL. Open IIS and expand the server until you see your website. Select your site, and then select SSL Settings.



Then select the check box to Require SSL, then under Client certificates, select Require. This forces the site to require Client authentication in order to access the contents.



## SSL Settings

This page lets you modify the SSL settings for the content of a website or application.

Require SSL

Client certificates:

Ignore

Accept

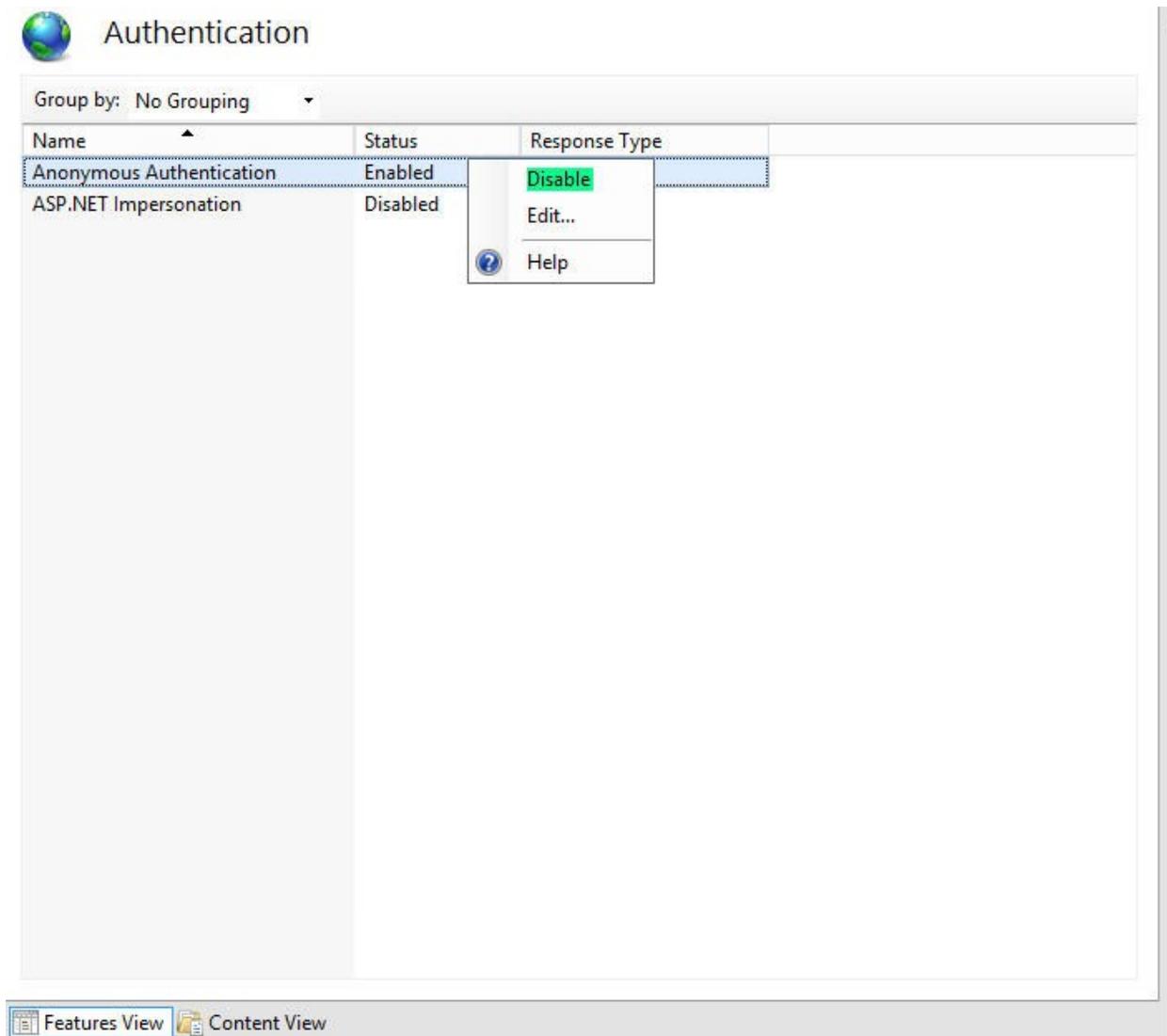
Require

By default your site has Anonymous Authentication enabled. This allows anyone to access the site. So you will need to disable this. Go back to your site management section and select Authentication.

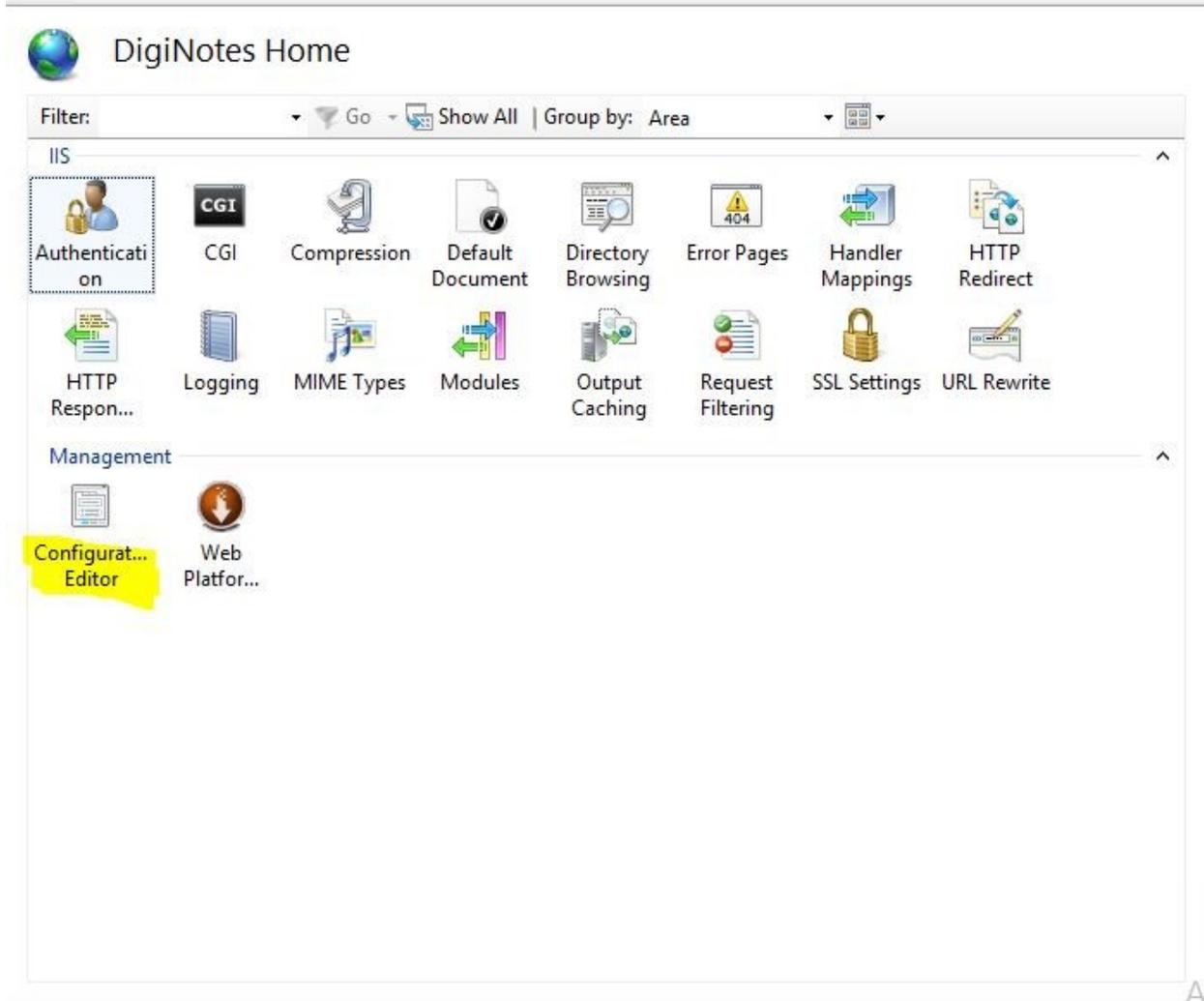
IIS

|  |   |  |   |   |   |   |  |
|--|---|--|---|---|---|---|--|
| <br>Authentication          | <br>CGI            | <br>Compression | <br>Default Document | <br>Directory Browsing | <br>Error Pages       | <br>Handler Mappings | <br>HTTP Redirect |
| <br>HTTP Response...        | <br>Logging        | <br>MIME Types  | <br>Modules          | <br>Output Caching     | <br>Request Filtering | <br>SSL Settings     | <br>URL Rewrite   |
| <b>Management</b>  |   |  |   |   |   |   |  |
| <br>Configurat...<br>Editor | <br>Web Platfor... |  |   |   |   |   |  |

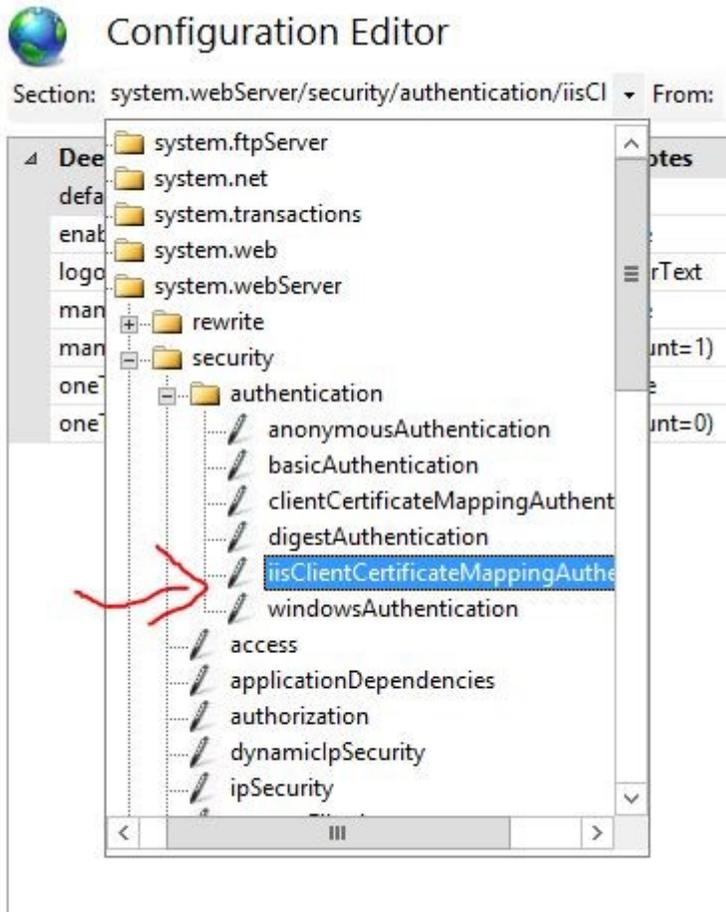
Right click Anonymous Authentication and then select Disable.



Now the basics are set up. At this point you need to tell the server what to allow, or if it's easier what not to allow. Go to your site's management page in IIS and select Configuration Editor.



In the Configuration Editor you can select any security sections. For this specific tutorial we want to go to the `system.webServer>security>authentication>iisClientMappingAuthentication`.



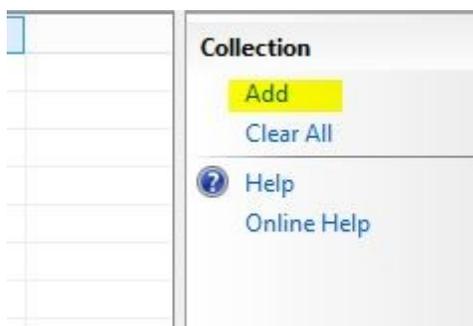
For One to One authentication, set `oneToOneCertificateMappingsEnabled` to True, and `manyToOneCertificateMappingsEnabled` to False.

|   |             |
|---|-------------|
| defaultLogonDomain                        |             |
| enabled                                   | True        |
| logonMethod                               | ClearText   |
| manyToOneCertificateMappingsEnabled       | False       |
| manyToOneMappings                         | (Count=1)   |
| <b>oneToOneCertificateMappingsEnabled</b> | <b>True</b> |
| oneToOneMappings                          | (Count=1)   |

Next to `oneToOneMappings (Count=0)` select the "... " button.

|                                     |           |
|-------------------------------------|-----------|
| defaultLogonDomain                  |           |
| enabled                             | True      |
| logonMethod                         | ClearText |
| manyToOneCertificateMappingsEnabled | False     |
| manyToOneMappings                   | (Count=1) |
| oneToOneCertificateMappingsEnabled  | True      |
| oneToOneMappings                    | (Count=1) |

Then to the right of the new window select "Add".



At the bottom of the window are new fields to enter information into:

- The certificate is the box you will paste the actual cert file into. To obtain this information, you will need to open the specific client certificate file into a text editor, and then copy all of the text between the "-----Begin Certificate-----" and "-----End Certificate-----" tags. Also make sure to clear any new like characters as this will prevent the complete information from being entered into the certificate line.

