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Apache version –

Add below given line in apache configuration file “/etc/apache2/conf-enabled/security.conf”

ServerTokens Prod

ServerSignature Off

```
File Edit View Search Terminal Help
# ServerTokens
# This directive configures what you return as the Server HTTP response
# Header. The default is 'Full' which sends information about the OS-Type
# and compiled in modules.
# Set to one of: Full | OS | Minimal | Minor | Major | Prod
# where Full conveys the most information, and Prod the least.
#ServerTokens Minimal
ServerTokens Prod
ServerSignature Off
#ServerTokens Full
```

Reference - <https://tecadmin.net/basic-security-tips-hide-apachephp-information/>

JS/CSS version –

Locate affected file on the server and remove affected version number by editing the file.

Ex – Given URL is disclosing version number - <https://bizpayments.com.my/Scripts/lodash.js>

Locate **lodash.js** on the server end remove disclosed version from the file.

Apache Tomcat version –

Run Below given command:

Locate “lib” directory your Server (In my case /opt/tomcat/lib)

```
mkdir -p org/apache/catalina/util
```

```
cd org/apache/catalina/util
```

```
File Edit View Search Terminal Help
root@kali:~# cd /opt/tomcat/lib/
root@kali:/opt/tomcat/lib# mkdir -p org/apache/catalina/util
root@kali:/opt/tomcat/lib# cd org/apache/util
bash: cd: org/apache/util: No such file or directory
root@kali:/opt/tomcat/lib#
root@kali:/opt/tomcat/lib# cd org/apache/catalina/util
root@kali:/opt/tomcat/lib/org/apache/catalina/util# vi ServerInfo.properties
```

Edit server info file by running below given command and remove version related Info.

```
vi ServerInfo.properties
```

Change Value of “server.info” to any

```
root@kali: /opt/tomcat/lib/org/apact
File Edit View Search Terminal Help
# Licensed to the Apache Software Foundation (ASF) under one or more
# contributor license agreements. See the NOTICE file distributed with
# this work for additional information regarding copyright ownership.
# The ASF licenses this file to You under the Apache License, Version 2.0
# (the "License"); you may not use this file except in compliance with
# the License. You may obtain a copy of the License at
#
# http://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS,
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
# See the License for the specific language governing permissions and
# limitations under the License.
server.info=Custom_Server
server.numbe= 2.2.2.2
server.built=Feb 11 2020 08:31:12 UTC
~
```

Server response after apply the fix –

HTTP Status 404 – Not Found

Type Status Report

Message /faf

Description The origin server did not find a current representation for the target resource or is not willing to disclose that one exists.

Custom_Server

References - <https://www.thegeekstuff.com/2013/08/hide-tomcat-version-number/>
<https://support.solarwinds.com/SuccessCenter/s/article/Remove-the-embedded-Tomcat-version-from-the-error-message>

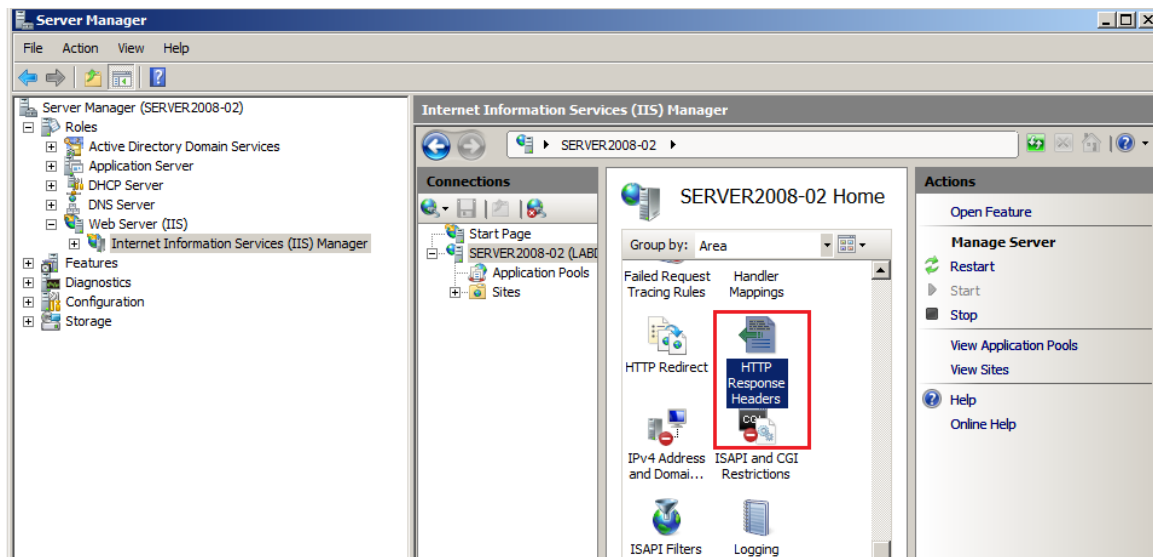
Server version for IIS –

Run given curl command to verify server header –

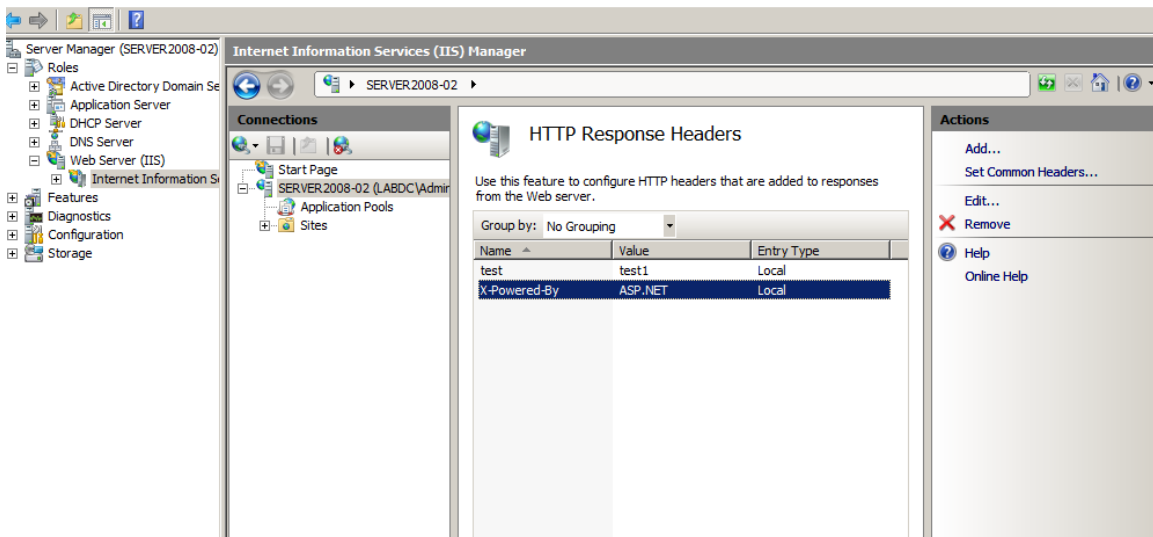
curl -hed <target>

```
C:\Users\Administrator.WIN-XH5CCDP7MY\Y\Desktop\curl-7.68.0-win32-mingw\bin>curl.exe --head 127.0.0.1
HTTP/1.1 200 OK
Content-Length: 689
Content-Type: text/html
Last-Modified: Tue, 25 Feb 2020 08:48:18 GMT
Accept-Ranges: bytes
ETag: "c282b553b8ebd51:0"
Server: Microsoft-IIS/7.0
X-Powered-By: ASP.NET
```

Locate “Server Manager” >> IIS manager >> SERVER [VERSION] >> “HTTP Response Header” and double click as shown in below screenshot.



Remove “X-Powered-By” response header and restart the server.



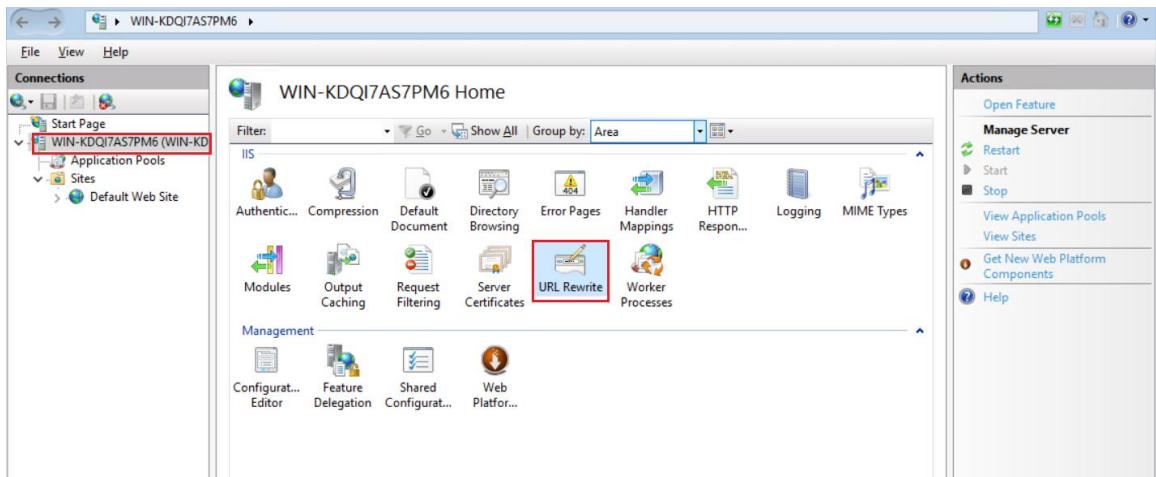
```
Administrator: C:\Windows\System32\cmd.exe
C:\Users\Administrator.WIN-XH5CCDP7MY\ Desktop\curl-7.68.0-win32-mingw\bin>curl.exe --head 127.0.0.1
HTTP/1.1 200 OK
Content-Length: 689
Content-Type: text/html
Last-Modified: Tue, 25 Feb 2020 08:48:18 GMT
Accept-Ranges: bytes
ETag: "c282b553b8ebd51:0"
Server: Microsoft-IIS/7.0
Date: Tue, 25 Feb 2020 09:20:20 GMT
```

Download and Install URL rewrite tool from here given URL-

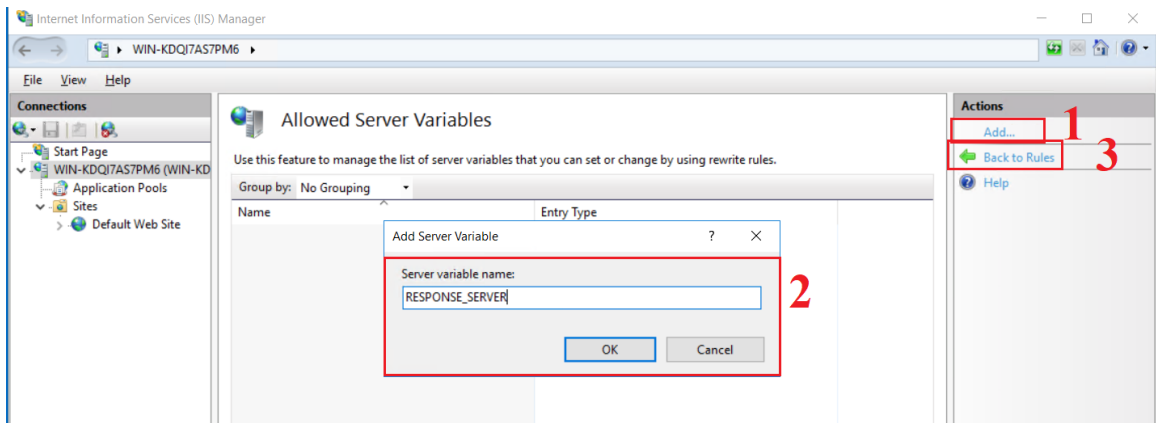
<https://www.iis.net/downloads/microsoft/url-rewrite>

Follow the steps –

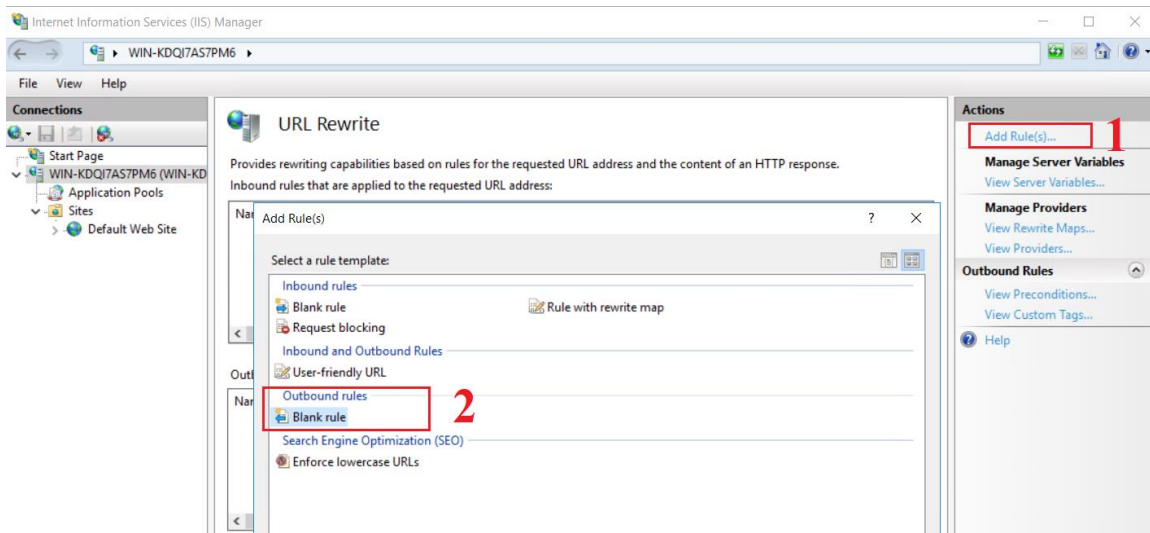
1. Open IIS server manager and Double click on “URL Rewrite” tool.



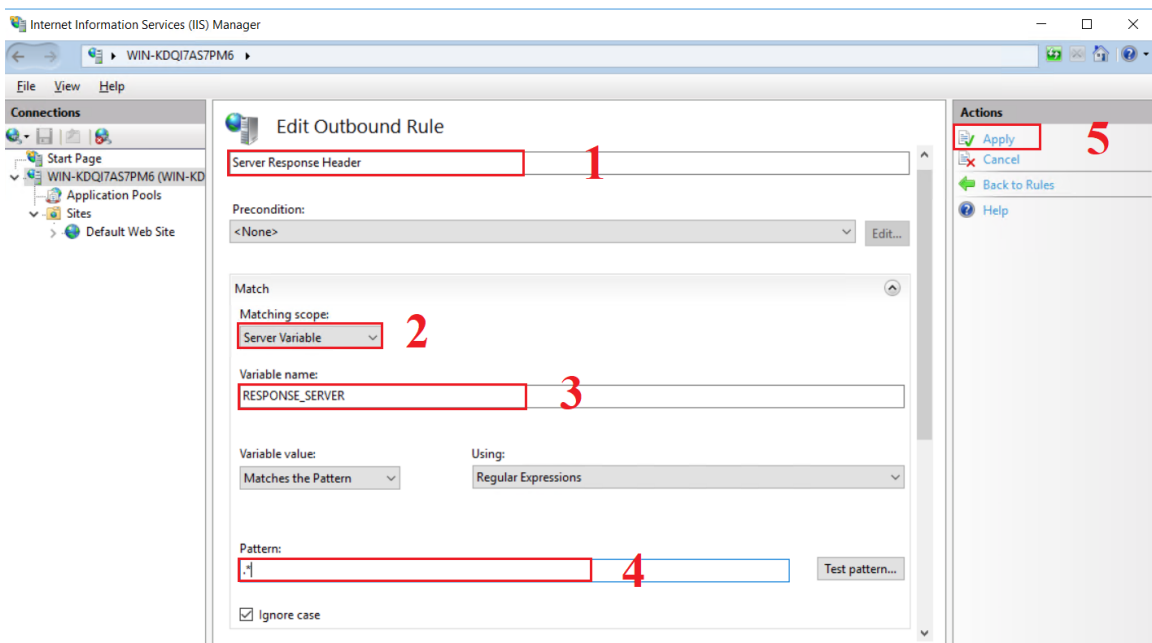
2. Click on “View Server Variables...”, click on “Add...” to add a new server variable with “RESPONSE_SERVER”. After adding a variable click on “Back to rules”



3. Click on “Add Rule(s)...” and select “Outbound Rules (Blank Rules).”



4. Fill the value accordingly.
Rule Name – “Server Response Header”
Machine Scope - “Server Variable”
Variable Name – “RESPONSE_SERVER”
Pattern – “.*” (dot & *)



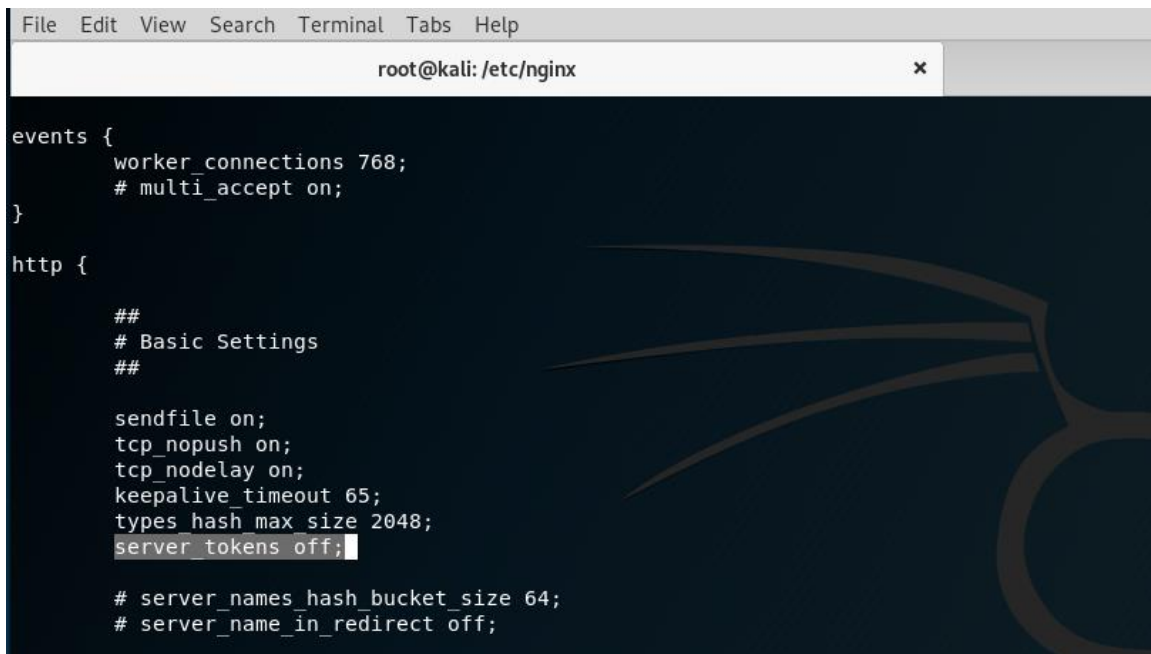
Restart the server after apply all the changes.

Follow the link - <https://www.troyhunt.com/shhh-dont-let-your-response-headers/>

Nginx version -

Edit /etc/nginx/nginx.conf

Uncomment "server_tokens off;" or add a line "server_tokens off;" inside http.



```
File Edit View Search Terminal Tabs Help
root@kali: /etc/nginx x

events {
    worker_connections 768;
    # multi_accept on;
}

http {

    ##
    # Basic Settings
    ##

    sendfile on;
    tcp_nopush on;
    tcp_nodelay on;
    keepalive_timeout 65;
    types_hash_max_size 2048;
    server_tokens off;

    # server_names_hash bucket_size 64;
    # server_name_in_redirect off;
```

Reference - <https://r00t4b13.com/post/how-to-hide-nginx-web-server-version-signature-and-remove-x-powered-by-php-header-on-centos>

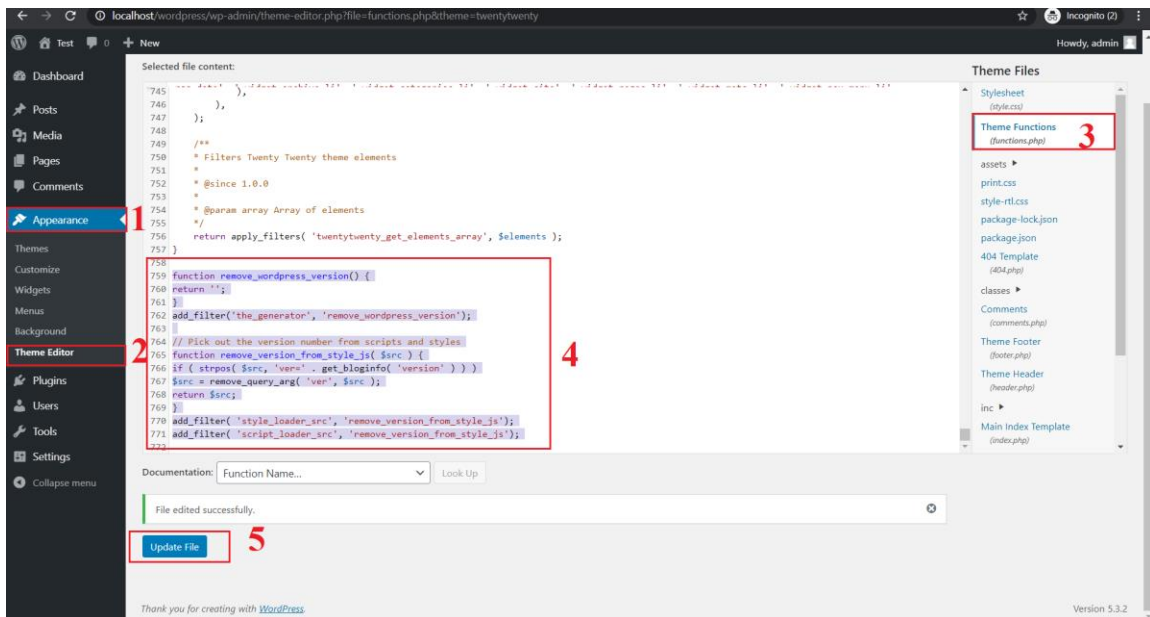
WordPress version –

Removing WordPress version number from the header and RSS

To remove the version number from your WordPress site, simply add the following code to your ***functions.php*** file. You can find the **functions.php** file by Login WordPress as Adminlocate **Appearance> Editor**.

After adding below line click on the “Update file”.

```
function remove_wordpress_version() {  
  
    return '';  
  
}  
  
add_filter('the_generator', 'remove_wordpress_version');  
  
  
// Pick out the version number from scripts and styles  
  
function remove_version_from_style_js( $src ) {  
  
    if ( strpos( $src, 'ver=' . get_bloginfo( 'version' ) ) )  
  
        $src = remove_query_arg( 'ver', $src );  
  
    return $src;  
  
}  
  
add_filter( 'style_loader_src',  
    'remove_version_from_style_js' );  
  
add_filter( 'script_loader_src',  
    'remove_version_from_style_js' );
```



<https://www.wpwhitesecurity.com/hide-wordpress-version-number/>

<https://www.wpmymweb.com/how-to/remove-wordpress-version.html>