

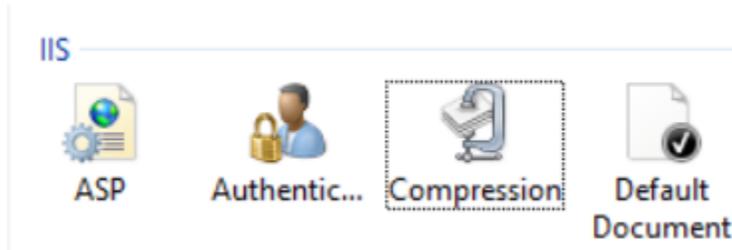
IIS 8 HTTP Compression Configuration

The Continua CI web application makes use of gzip compression if it is installed and configured in IIS.

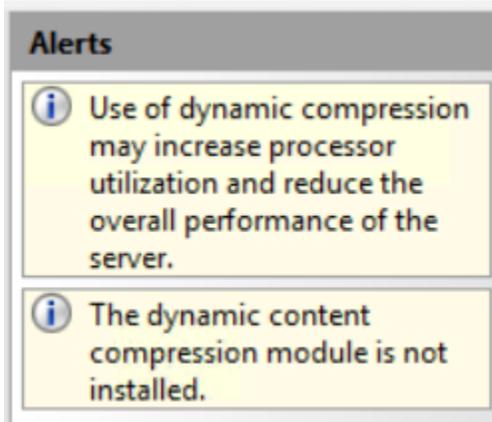
This guide will step you through the configuration of IIS 8 to enable gzip compression.

Step by Step

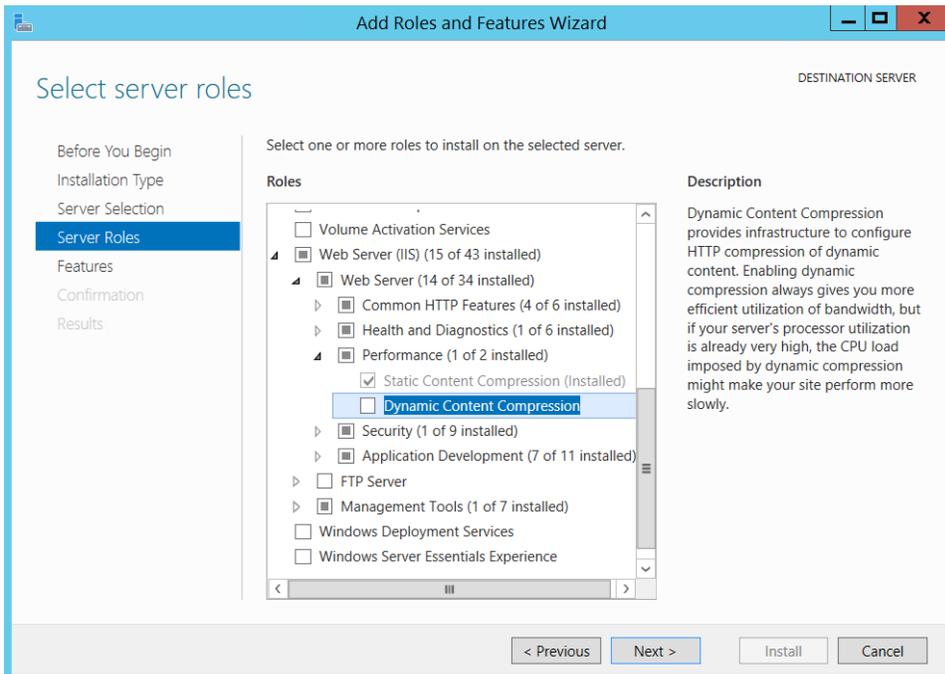
1. Start up Internet Information Services (IIS) Manager, click on the Server node and go to the Compression module.



If the "Enable dynamic content compression" checkbox is disabled and you see this yellow alert on the right-hand side, then this indicates that it is not installed



2. If it's not installed, open the Server Manager. Go to the Dashboard, then click "Add roles and features". Click Next through each page of the wizard, until you get to the Server Roles page. Locate the Dynamic Content Compression role under Web Server (IIS), Web Server, Performance and tick the checkbox. Continue to the Confirmation page and click Install.



- Once the role is installed go back to the Compression module page in IIS Manager and ensure that both dynamic compression and static compression are enabled. Note that you need to do this at the Server level not the Website level.

Compression

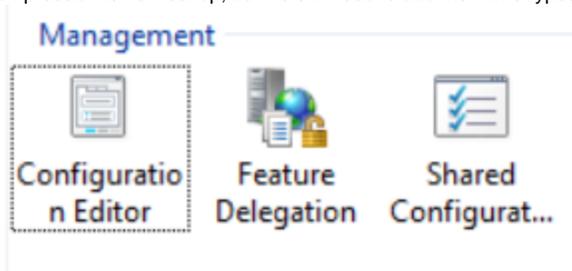
Use this feature to configure settings for compression of responses. This can improve the perceived performance of a website greatly and reduce bandwidth-related charges.

- Enable dynamic content compression
- Enable static content compression

Static Compression

- Only compress files larger than (in bytes):
- Cache directory:
 ...
- Per application pool disk space limit (in MB):

- Compression is now set up, but we still need to add the mimeTypes that we want to compress. Go to the Configuration Editor

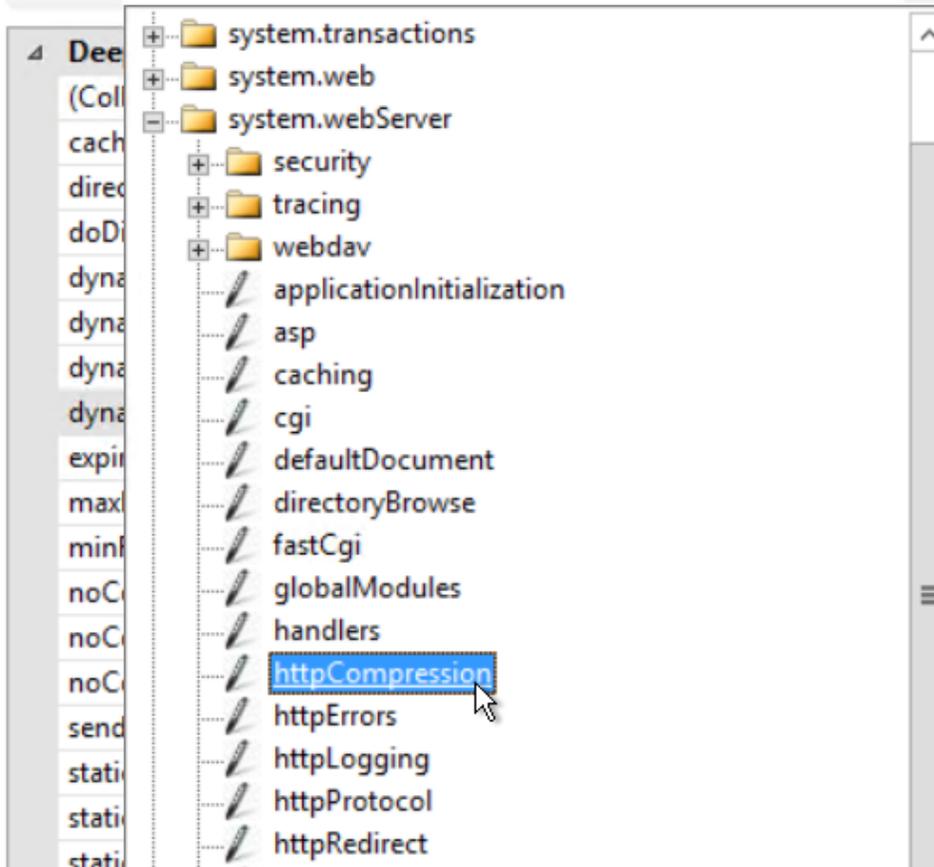


- Select system.webServer/httpCompression from the Section dropdown list



Configuration Editor

Section: system.webServer/httpCompression



and click on the edit button next to dynamicTypes:

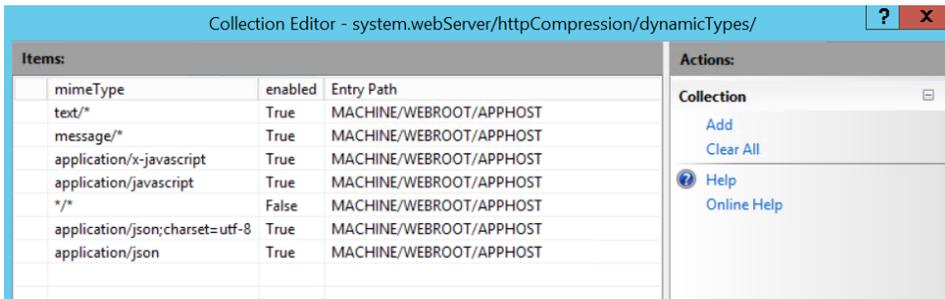


Configuration Editor

Section: system.webServer/httpCompression

Deepest Path: MACHINE/WEBROOT/APPHOST	
(Collection)	(Count=1)
cacheControlHeader	max-age=86400
directory	%SystemDrive%\inetpub\temp\IIS Temporary Compressed Files
doDiskSpaceLimiting	True
dynamicCompressionBufferLimit	65536
dynamicCompressionDisableCpuUsage	90
dynamicCompressionEnableCpuUsage	50
dynamicTypes	(Count=5) ...
expiresHeader	Wed, 01 Jan 1997 12:00:00 GMT
maxDiskSpaceUsage	100
minFileSizeForComp	2700
noCompressionForHttp10	True
noCompressionForProxies	True
noCompressionForRange	True
sendCacheHeaders	False
staticCompressionDisableCpuUsage	100
staticCompressionEnableCpuUsage	50
staticCompressionIgnoreHitFrequency	False
staticTypes	(Count=6)

6. Continua CI web pages updates are sent as JSON so we need to add entries for the mimeTypees "application/json;charset=utf-8" and "application/json" with Enabled set to True.



Then close the Collection Editor, click Apply and Restart your IIS Service to load the new module.

7. To confirm that compression is now on, open Continuum in your web browser and check the response headers under the Network tab in the developer tools

```
▼ Response Headers view source  
Cache-Control: no-cache, no-store  
Content-Encoding: gzip  
Content-Length: 16976  
Content-Type: application/json; charset=utf-8  
Date: Wed, 15 Jun 2016 05:27:39 GMT
```