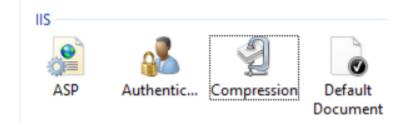
IIS 8 HTTP Compression Configuration

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

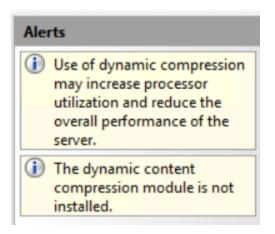
This guide will step you through the configuration of IIS 8 to enable gzip compression.

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.

L	Add Roles and Features Wizard	
Select server roles Before You Begin	Add Roles and Features Wizard Select one or more roles to install on the selected server. Roles Wolume Activation Services Web Server (IIS) (15 of 43 installed) Web Server (IIS) (15 of 43 installed) Web Server (14 of 34 installed) Web Server (14 of 34 installed) Health and Diagnostics (1 of 6 installed) Performance (1 of 2 installed) Static Content Compression Security (1 of 9 installed) Application Development (7 of 11 installed) FTP Server Management Tools (1 of 7 installed) Windows Deployment Services Windows Server Essentials Experience	DESTINATION SERVER DESCRIPTION Description Dynamic Content Compression provides infrastructure to configure HTTP compression of dynamic compression always gives you more efficient utilization of bandwidth, but if your server's processor utilization is already very high, the CPU load imposed by dynamic compression might make your site perform more slowly.
	< III >	
	< Previous Next	> Install Cancel

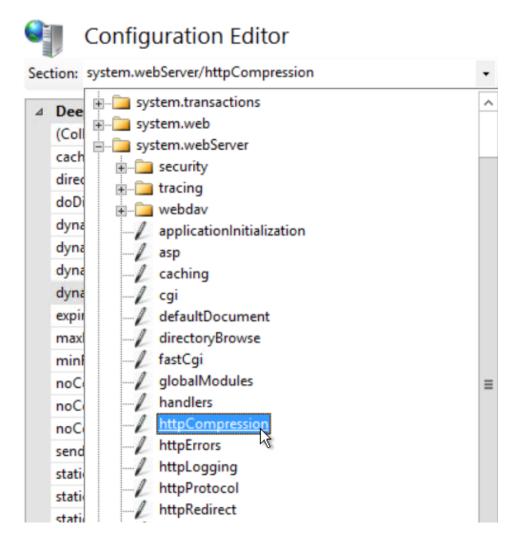
3. Once the role is installed go back to the Compression module page in IIS Manager and ensure that both dynamic compression and static compression are enabled. Note that you need to do this at the Server level not the Website level.

	Compression
	s feature to configure settings for compression of responses. This can improve the perceived performance of a website greatly and reduce dth-related charges.
✓ E	nable dynamic content compression
✓ E	nable static content compression
•	tic Compression Only compress files larger than (in bytes): 2700 che directory:
	ystemDrive%\inetpub\temp\llS Temporary Compressed Files

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

Managemer	nt	
		¥=
Configuratio	Feature	Shared
n Editor	Delegation	Configurat

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



and click on the edit button next to dynamicTypes:

Configuration Editor

ction: 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 mimeTypes "application/json;charset=utf-8" and "application /json" with Enabled set to True.

	Actions:			ms:
	Collection	Entry Path	enabled	mimeType
		MACHINE/WEBROOT/APPHOST	True	text/*
	Add	MACHINE/WEBROOT/APPHOST	True	message/*
	Clear All	MACHINE/WEBROOT/APPHOST	True	application/x-javascript
Help Online Help	🕜 Help	MACHINE/WEBROOT/APPHOST	True	application/javascript
	Online Help	MACHINE/WEBROOT/APPHOST	False	*/*
		MACHINE/WEBROOT/APPHOST	True	application/json;charset=utf-8
		MACHINE/WEBROOT/APPHOST	True	application/json

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 Continua 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