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Dec 22, 2019 · 2 min read



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IIS Reverse Proxy to Web Apps (Nginx, Python, PHP, Golang, Java)



In this section we will be going over how to get IIS to talk to our web applications (nginx, python, apache, golang, java). You may be stuck in this situation due to an exclusive dependency on IIS by an application or service at your company or organization and you do not have an easy replacement or alternative to switch to.

Make sure you have IIS installed on your system...

- If you don't, go [here](#)

Make sure you have URL Rewrite & Application Request Routing

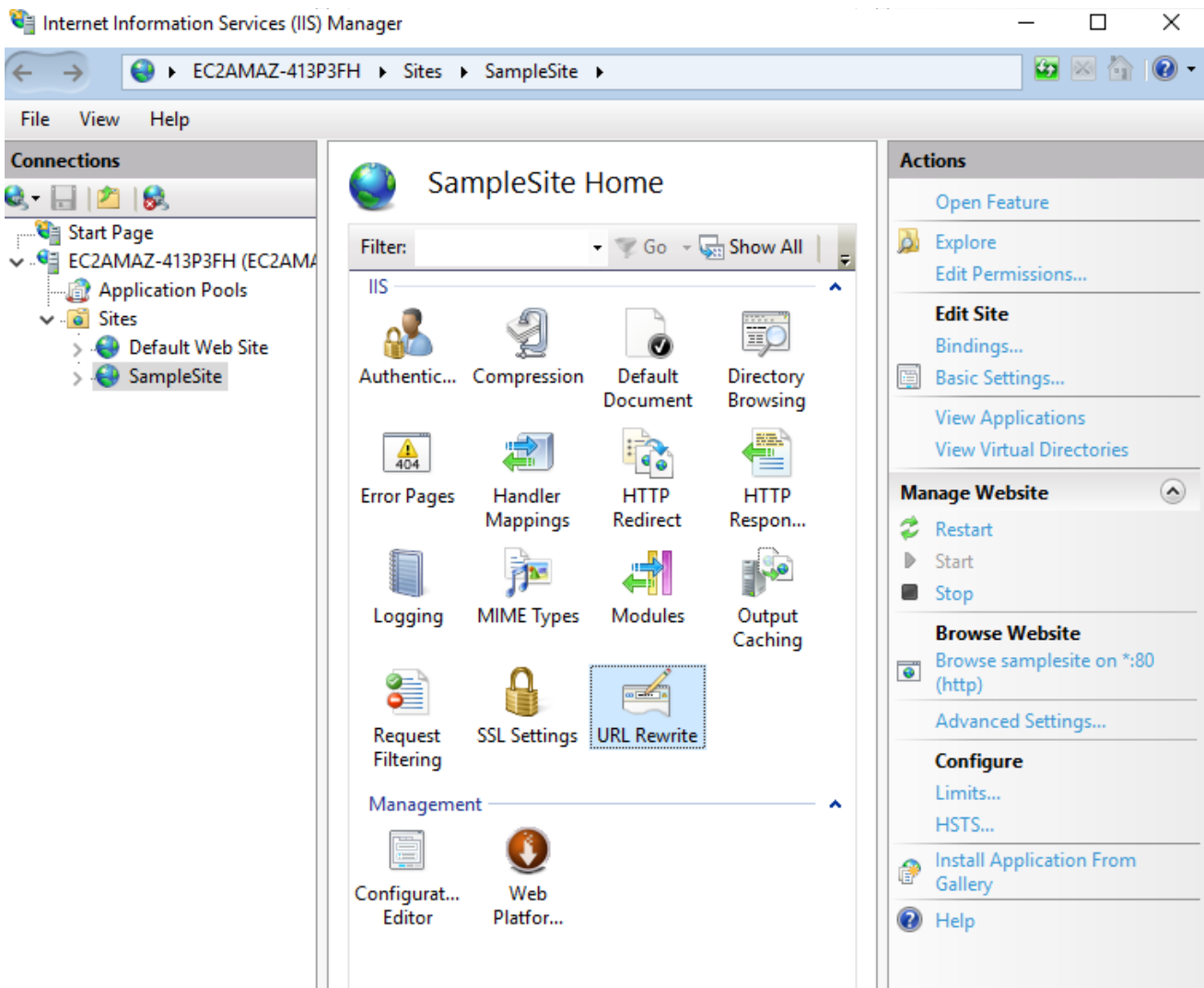


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- Application Request Routing: <https://www.iis.net/downloads/microsoft/application-request-routing>

Setting Up IIS

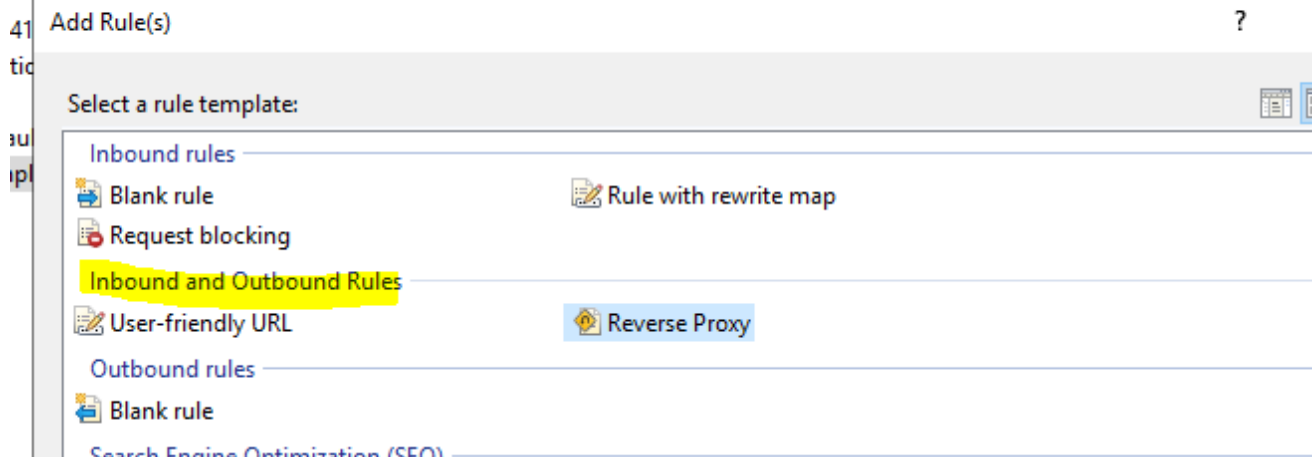
- Launch IIS: Start Menu > IIS
- Make sure you have an **IIS Website** for your web app. If you don't already have a dedicated IIS Website for your web app, go ahead and create one. (Choose any directory, the actual directory doesn't matter as we will not be using the directory.)
- Select Your IIS Server > Select your web site > Select **URL Rewrite**



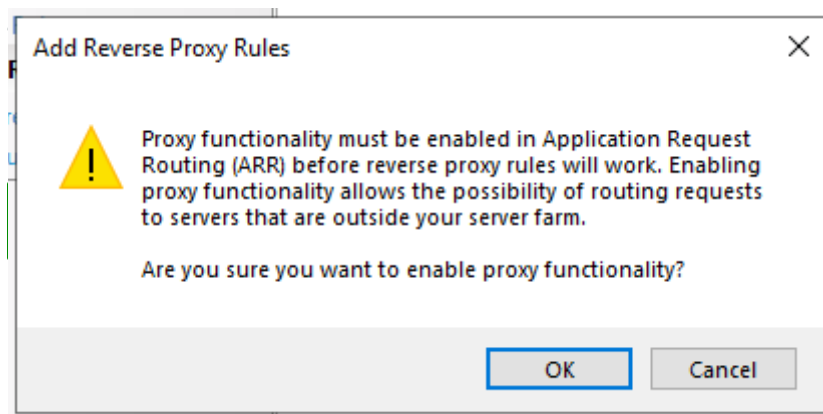


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- If you are asked to enable the *Application Request Routing* functionality, click **Yes**.



You will be prompted with the Reverse Proxy dialog. Complete the fields as follows...

- ...HTTP requests will be forwarded: http://{url_and_port_of_your_web_app}
- *example: http://127.0.0.1:8022*
- Check **Enable SSL Offloading** this will mean IIS will handle TLS so you only have to do it once on IIS
- From: http://{url_and_port_of_your_web_app} (same as above)
- To: {your_public_domain.com}





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Inbound Rules

Enter the server name or the IP address where HTTP requests will be forwarded:

Example: contentserver1

☒ Enable SSL Offloading

Selecting this option will forward all HTTPS requests over HTTP.

Outbound Rules

☒ Rewrite the domain names of the links in HTTP responses

Responses that are generated by applications that are behind a reverse proxy can have HTTP links that use internal domain names. These links must be updated to use external domain names.

From:

Example: contentserver1

To:

Example: www.contoso.com

OK Cancel

That's it!

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