

Internet Information Services

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IIS (10) Reverse Proxy

1. Install IIS Role on Windows (Server)

1. Open Server Manager
2. Go to Manage -> *Add Roles and Features*
3. Select *Role-based or feature-based installation*
4. Select your Server
5. Enable *Webserver (IIS)*
6. Click Next until the Assistant is done

2. Install *ARR* and *URL Rewrite* Module

The "Application Request Routing" Module is required for the Reverse Proxy Behavior

- Download ARR from: [Here](#) and Install it.
- Download URL Rewrite from: [Here](#) and install it

After that, start `cmd.exe` as Administrator and run `iisreset`

3. Enable ARR in IIS Manager

1. Start the IIS Manager Application (Server Manager -> Tools -> *Internet Information Services (IIS) Manager*)
2. Click on your Server and Select *Application Request Routing Cache*
3. On the right side, click *Server Proxy Settings* and check *Enable Proxy*

4. Setup Reverse Proxy Rule

1. Open or create your Site
2. Click on *URL Rewrite*
3. On the right side, click *Add Rule(s)*
4. Select *Blank rule at Inbound Rules*
5. Give your Rule a Name
 - Pattern
Use a Regex Pattern here that matches whatever URL you want to r' proxy
Example: Everything after the URL: `^(.*)$`
 - Action
Rewrite URL is your Target Webserver
With the Pattern specified above, it will capture a Part of it using Regex. With the Example, everything after your URL.
With this, an example Rewrite Url would be: `http://localhost:16666/your-application/{R:1}`
`{R:1}` is your first captured result.
6. Apply and restart your Site.

Windows Authentication for Websites

Windows Authentication on IIS works using the Physical Path' Permissions, configured in the *Basic Settings* of the Site.

How to Configure

This applies both for new and existing Sites

1. Start the IIS Manager Application (Server Manager -> Tools -> *Internet Information Services (IIS) Manager*)
2. Open or create your Site
The *Physical Path* Setting here is what counts. If you intend to use it as Reverse Proxy, create a empty "dummy" Directory for this one
3. Select your Directory
 - If you already have a site, go to *Actions -> Basic Settings* and update your Physical Path if necessary
4. Go to *Actions -> Edit Permissions*
This will open the Windows Directory Permissions Dialog. Here you can set your Permission. For Web Access, the Read Permission is required. Depending on your Use-Case, other Permissions such as Write and Execute might be necessary