

# 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.
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