# Tips for running Hajk NodeJS-backend in IIS using NodeHoster.

## Prerequisites

## You’ll need AspNetCore-Hosting-bundle IIS installed. If you install it you will need to restart IIS (cmd as Admin > IISRESET). Only tested with version 8.0.4…. <https://dotnet.microsoft.com/en-us/download/dotnet/thank-you/runtime-aspnetcore-8.0.4-windows-hosting-bundle-installer>

## ROOT

### Site bindings

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### .Net Authorization Rules

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Authentication

Note that only Windows Authentication is Enabled below. If you have a public site without restrictions use Anonymous only and make sure to turn off AD in NodeHoster and in NodeJS-backend.  
  
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### Authorization Rules

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### UTIL Application (In root) (optional)

The old GeoServer proxy that handles Secure WMS:s, prevents CORS issues and replaces <http://localhost> etc etc in responses.  
  
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## Application Pool settings

Note these settings: Start Mode, Idle Time-out (minutes), Regular Time Interval (minutes). Some of these settings prevents NodeJS-backend to be restarted too often. One approach is to force recycle once a day as seen on the right screenshot.

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Automatiskt genererad beskrivningEn bild som visar text, skärmbild, skärm, Teckensnitt

Automatiskt genererad beskrivning



## App\_Data folder permissions

Add full permission for IIS\_IUSRS, otherwise Admin won’t work.  
\hajk\node\_server\App\_Data\

## .env

**PORT** is 3002 as default. Remember that if you run multiple backends on the same machine you need to use different ports in .env and in Yarp proxy (NodeHoster appsettings.json).

If you use DocumentHandler 2.0, do not forget this param below.  
**INFORMATIVE\_CUSTOM\_UPLOAD\_DIR\_ABSOLUTE\_PATH**=/hajk\_dev01/Upload

### FIR/KIR Reports

Make sure the temp folder exists, otherwise xls generation will fail. \node\_server\static\client\temp

## Updating NodeHoster

Stop the AppPool. Copy and replace the files. Start the AppPool.

# Example structure

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# Example root web config

Notice the green section with references to nodehoster etc.

<?xml version="1.0" encoding="utf-8"?>

<configuration>

    <location path="util">

        <system.webServer>

        </system.webServer>

    </location>

    <location path="dokument">

        <system.webServer>

        </system.webServer>

    </location>

    <location path="." inheritInChildApplications="false">

        <system.webServer>

            <handlers>

                <add name="aspNetCore" path="\*" verb="\*" modules="AspNetCoreModuleV2" resourceType="Unspecified" />

            </handlers>

            <aspNetCore processPath="dotnet" arguments=".\hajk\NodeHoster.dll" stdoutLogEnabled="false" stdoutLogFile=".\hajk\logs\stdout" hostingModel="inprocess" />

        </system.webServer>

    </location>

    <system.webServer>

        <staticContent>

            <mimeMap fileExtension=".kml" mimeType="application/vnd.google-earth.kml+xml" />

        </staticContent>

        <rewrite>

            <rules>

                <rule name="http to https" enabled="true" stopProcessing="true">

                    <match url="(.\*)" />

                    <conditions>

                        <add input="{HTTPS}" pattern="^OFF$" />

                    </conditions>

                    <action type="Redirect" url="https://{HTTP\_HOST}/{R:1}" redirectType="SeeOther" />

                </rule>

            </rules>

            <outboundRules>

                <preConditions>

                    <preCondition name="IsIndexHtmlFile">

                        <add input="{REQUEST\_FILENAME}" pattern="index.html" />

                    </preCondition>

                </preConditions>

                <rule name="RewriteCacheControlForIndexHtmlFile" preCondition="IsIndexHtmlFile">

                    <match serverVariable="RESPONSE\_Cache\_Control" pattern=".\*" />

                    <action type="Rewrite" value="max-age=0, must-revalidate" />

                </rule>

            </outboundRules>

        </rewrite>

    </system.webServer>

</configuration>