Installing API layer

Install SRP HTTP Framework and setup API Server settings

Graphical user interface, text, application, email

Description automatically generated

**Software install**

1. 32-bit Java must be installed (If there is no Oracle Java license to utilise then the latest free Adopt OpenJDK with Hotspot for Windows x86 )
2. IIS (Internet Information Service) must be installed.
3. CGI extensions must be enabled for IIS
4. IIS Rewrite Rules install <https://www.iis.net/downloads/microsoft/url-rewrite>
5. Ensure Chrome is installed and Default (NOT IE)

**Configure IIS** (directory can be different. Just be consistent & update rewrite rules)

1. Copy x32 OECGI4.exe (v4.0.1.0) to C:\inetpub\cgi-bin
2. Add an ISAPI and CGI restriction. Path = “c:\inetpub\cgi-bin\OECGI4.exe”. Description = “OECGI4”. Allow Extension Path to execute needs to be checked
3. Open Handler Mappings and make sure CGI-exe is enabled
4. Add a Virtual Directory against the Default Website. Alias = ‘cgi-bin’. Path = “c:\inetpub\cgi-bin”
5. Add URL rewrite rules for API URL (e.g. /api above) web.config looks like:

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

<configuration>

<system.webServer>

<httpErrors existingResponse="PassThrough" />

<!--Entries for WebApp CORS-->

<httpProtocol>

<customHeaders>

<add name="Access-Control-Allow-Methods" value="GET,PUT,POST,PATCH,DELETE,OPTIONS" />

<add name="Access-Control-Allow-Headers" value="\*,Content-Type" />

</customHeaders>

</httpProtocol>

<!--Rewrite Rules-->

<rewrite>

<rules>

<!--API rewrite for API endpoint-->

<rule name="Root API" stopProcessing="true">

<match url="^api$" />

<conditions logicalGrouping="MatchAll" trackAllCaptures="false" />

<action type="Rewrite" url="cgi-bin/oecgi4.exe" />

</rule>

<rule name="API" stopProcessing="true">

<match url="^api([\_0-9a-z-/.]+)$" />

<conditions logicalGrouping="MatchAll" trackAllCaptures="false" />

<action type="Rewrite" url="cgi-bin/oecgi4.exe/{R:1}" />

</rule>

</rules>

</rewrite>

</system.webServer>

</configuration>

**Setup Data Service**

1. Import registry %OI\_HOME%\oecgi4\_WOW6432.reg.  **Make sure that the User/Password and ApplicationName are setup correctly and it is matching %OI\_HOME %\eserver.cfg for the ServerPort first!** Make sure the REG file is SRP Compliant (HTTP\_AUTHORIZATION and PROCEDURENAME have changed from back in theday)

*[HKEY\_LOCAL\_MACHINE\SOFTWARE\Wow6432Node\RevSoft\OECGI4]*

*"AdditionalValues"="HTTP\_AUTHORIZATION,HTTP\_X\_AUTHORIZATION,HTTP\_DEBUG,HTTP\_MEDIA\_TYPE,HTTP\_ACCEPT\_ENCODING,HTTP\_ACCEPT\_CHARSET,HTTP\_ACCEPT\_LANGUAGE"*

*"ApplicationName"="xxx"*

*"EngineName"=""*

*"FileMode"="1"*

*"FilePath"=""*

*"OILocation"=""*

*"ProcedureName"="HTTP\_MCP"*

*"ServerPort"="6088"*

*"ServerURL"="localhost"*

*"ShutdownFlags"="1"*

*"StartupFlags"="1"*

*"SysDownPage"=""*

*"UserName"="xxx"*

*"UserPassword"="xx"*

*"WorkingDirectory"=""*

1. run file %OPTOPROG%\OEServer\InstallApp-NT.bat **as Admin**. *Make sure %* OI\_HOME *%\OEServer\conf\wrapper.conf has the correct descriptive Engine labels first.* **This will create a service OEngine that needs to be started the first time in Window’s Services**

**Test install**

NOTE: INET\_TRACE does not work with SRP HTTP\_MCP

SRP HTTP Framework – add /version endpoint to non Authenticated path

Test version endpoint in Postman (If on server, baseurl can simply be ServerIP/api or 127.0.0.1/api or localhost/api)

Text

Description automatically generated