Sample External Service V3.5

# Introductions

External Service V3.5 is a sample project that allows you to quickly implement an External Service V3.5 APIs to allow the Vitrium Security to talk to your systems for authentication and authorization.

This project is written in C# and ASP.NET Core 6.0 and requires Microsoft Visual Studio 2022 or above.

This project is compatible with v3.5 of the Vitrium External Service specification. Contact your Vitrium Sales Representative or Technical Contact if you require information on the External Service V3.5 specification or instructions on configuring your Vitrium Security account to use this service.

# Development

In order to compile this project, you need:

* Microsoft Visual Studio 2022 or above
* .NET 6.0 SDK at <https://dotnet.microsoft.com/en-us/download/dotnet/6.0>

# Deployment

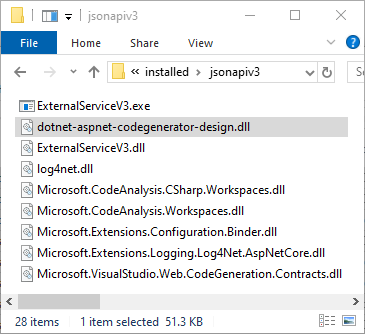
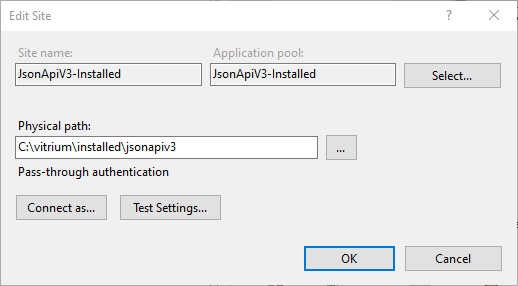
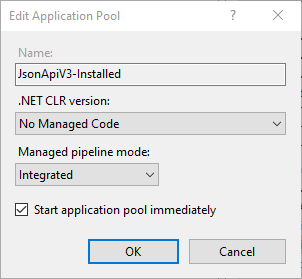
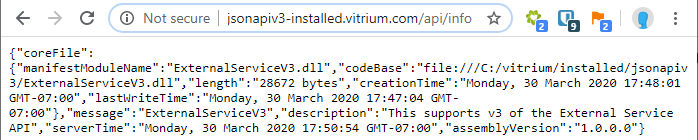
In order to deploy this project, you need:

* A supported version of Windows Server
* .NET 6.0 Server apps Hosting Bundle at <https://dotnet.microsoft.com/en-us/download/dotnet/6.0/runtime>

## Deployment Steps:

1. Add a host file entry for your IIS Web Site

127.0.0.1 jsonapiv3-installed.vitrium.com

1. Open Windows Explorer and create a folder for your service  
   
2. Open IIS Manager and create an IIS site for your application  
   
3. Edit the Application Pool and check that .NET CLR version is listed as *No Managed Code*
4. Navigate to /api/3.5/info to check proper functionality of the server  
   

# Troubleshooting

## HTTP Error 500

### Problem

If you are getting a generic HTTP Error 500 when attempting to access to access ExternalServiceV3

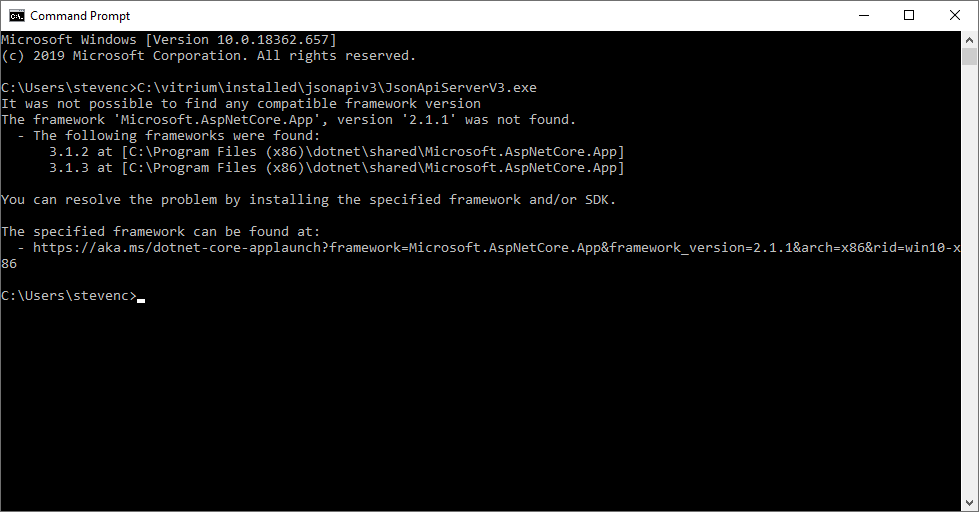
# Server Error

## 500 - Internal server error.

### There is a problem with the resource you are looking for, and it cannot be displayed.

### Solutions

Try the following:

* Run the compiled executable directly for more information on the error.  
  In this instance, the application is missing the correct version of ASP.NET Core (6.0 in this case). Installing the missing dependency to fix this issue.

2.1.0

3.1.3

ExternalServiceV3.exe

* Install the .NET 6.0 Server apps Hosting Bundle

## HTTP Error 500.30

### Problem

If you are getting HTTP Error 500.30

# HTTP Error 500.30 - ANCM In-Process Start Failure

Common solutions to this issue:

* The application failed to start
* The application started but then stopped
* The application started but threw an exception during startup

Troubleshooting steps:

* Check the system event log for error messages
* Enable logging the application process' stdout messages
* Attach a debugger to the application process and inspect

For more information visit: [*https://go.microsoft.com/fwlink/?LinkID=2028265*](https://go.microsoft.com/fwlink/?LinkID=2028265)

### Solution

Check that Target Runtime in Visual Studio matches the processor architecture for the installed version of .NET 6.0 Server apps Hosting Bundle, or use Portable. Graphical user interface, text, application

Description automatically generated

## HTTP Error 500.19

### HTTP Error 500.19 - Internal Server Error

#### The requested page cannot be accessed because the related configuration data for the page is invalid.

#### Detailed Error Information:

|  |  |
| --- | --- |
| **Module** | IIS Web Core |
| **Notification** | Unknown |
| **Handler** | Not yet determined |
| **Error Code** | 0x8007000d |
| **Config Error** |  |
| **Config File** | \\?\C:\vitrium\granville-university-external-service-v3\web.config |
| **Requested URL** | https://granville-university-external-service-beta-v3.vitrium.com:443/api/info |
| **Physical Path** |  |
| **Logon Method** | Not yet determined |
| **Logon User** | Not yet determined |

#### Config Source:

-1:

0:

#### More Information:

This error occurs when there is a problem reading the configuration file for the Web server or Web application. In some cases, the event logs may contain more information about what caused this error.

[View more information »](http://go.microsoft.com/fwlink/?LinkID=62293&IIS70Error=500,19,0x8007000d,14393)