# SSIS Script Task — Simple REST Call Example

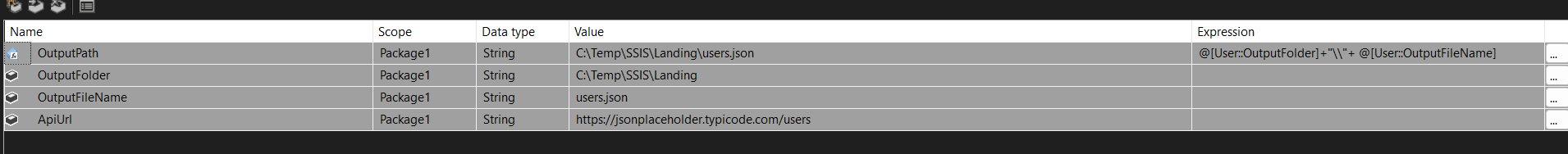
Goal: Call a public API and save the JSON to a local file using a Script Task in SSIS (VS 2022).

API: https://jsonplaceholder.typicode.com/users

## 1) Create Variables (Control Flow → Variables)

Create the following variables at the Package scope:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Value (Example) | Notes |
| User::ApiUrl | String | https://jsonplaceholder.typicode.com/users | Full API endpoint |
| User::OutputFolder | String | C:\Temp\SSIS\Landing | Target folder to save result |
| User::OutputFileName | String | users.json | Simple filename |
| User::OutputPath | String |  | Expression-based: folder + "\\" + filename |



Set an expression for User::OutputPath

• EvaluateAsExpression = True

• Expression: @[User::OutputFolder] + "\" + @[User::OutputFileName]

## 2) Add a Script Task

Control Flow → drag Script Task → double-click.

Script tab settings:

• Script Language: C#

• ReadOnlyVariables: User::ApiUrl,User::OutputPath,User::OutputFolder

• ReadWriteVariables: (leave empty)

Click Edit Script…

## 3) Paste this C# code into Main()

using System;  
using System.IO;  
using System.Net;  
using Microsoft.SqlServer.Dts.Runtime;  
  
public void Main()  
{  
 try  
 {  
 string url = (string)Dts.Variables["User::ApiUrl"].Value;  
 string outputPath = (string)Dts.Variables["User::OutputPath"].Value;  
 string folder = (string)Dts.Variables["User::OutputFolder"].Value;  
  
 if (!Directory.Exists(folder))  
 Directory.CreateDirectory(folder);  
  
 using (var wc = new WebClient())  
 {  
 string json = wc.DownloadString(url);  
 File.WriteAllText(outputPath, json);  
 }  
  
 Dts.Events.FireInformation(0, "ScriptTask", $"Saved data to {outputPath}", string.Empty, 0, ref \_discard);  
 Dts.TaskResult = (int)ScriptResults.Success;  
 }  
 catch (Exception ex)  
 {  
 Dts.Events.FireError(0, "ScriptTask", ex.ToString(), string.Empty, 0);  
 Dts.TaskResult = (int)ScriptResults.Failure;  
 }  
}  
  
private bool \_discard = false;  
  
public enum ScriptResults  
{  
 Success = Microsoft.SqlServer.Dts.Runtime.DTSExecResult.Success,  
 Failure = Microsoft.SqlServer.Dts.Runtime.DTSExecResult.Failure  
}

## 4) Run & Verify

Press F5 to run the package. Check C:\Landing for users.json. Open it to verify JSON content.

## Troubleshooting Tips

• Folder permissions: ensure the SSIS runtime account can write to C:\Landing.

• No file created: confirm variables and ReadOnlyVariables list are set exactly as shown.

• Network blocks: try opening the URL in a browser from the same machine to confirm access.