Secure Multi-Port Gateway

Overview

A WebGateway is a type of security solution that prevents unsecured traffic from entering an organization's internal network. Businesses use a WebGateway to protect their employees/users from accessing and/or being infected by malicious web traffic, websites, or virus/malware.

The TWebGatewayService is an executable file that works in association with IIS (Internet Information Services). Below, you will find more detailed information regarding the installation process and regarding setting parameters.

Installation

To install the "**WebGateway**", run the "**InstallTWebGatewayService.exe**" application. All the information for the WebGateway is in the TWebGatewayService.exe.config. This will create a windows service and all output will be sent to the windows event viewer. After any modification to the . config file, the windows service must be stopped and restarted.

Using Additional Ports

When using additional ports (ExtraCount parameter), you need to configure the TWebGatewayService.exe.config file, and then execute the WebGateway installation. The executable "**InstallTWebGatewayService.exe**" will verify the TWebGatewayService.exe.config and install the additional ports on the Windows routing table. After you make modifications to the related additional ports, you must follow the steps below:

1. In the command prompt, run the application: *InstallWebGateway /uninstall*
2. Modify the file: *TWebGatewayService.exe.config*
3. In the command prompt, run the application: *InstallWebGateway*

Available Parameters

The available WebGateway parameters can be found below:

***LocalPort* :** WebGateway listening port. If you are ONLY using Windows Authentication, set the parameters to zero (0) and the port will not be opened

***LocalPortWA*:** WebGateway listening port using Windows Authentication. If you are not using Windows Authentication, set the parameters to zero (0) and the port will not be opened

RemoteIP : Computer IP that runs the runtime server (TServer.exe)

RemotePort : "TServer.exe" listening port without Windows Authentication

RemotePortWA: "TServer.exe" listening port using Windows Authentication

WA: Must use either RemotePort or RemotePortWA. It does not matter which port the data arrives in (LocalPort or LocalPortWA)

True = Use only Remote Port WA

False = Use only Remote Port

RuntimeUsersProject: *[optional]* Set which project (tproj) has the RuntimeUsers data table that will validate the users from SmartClient/RichClient

CheckRunTimeUsersWA: *[optional]* Set to validate the users from SmartClient/RichClient using Windows Authentication

True = Enabled (Runtime Using Project parameter cannot be used when True)

False = Disabled

TargetCF : *[optional]* This enables a project to be deployed in a Compact Framework environment (WindowsCE).

True = Enabled

False = Disabled.

ExtraCount: *[optional]* Number of additional ports. These ports will only route the incoming data in the *LocalPort<#>* to the *RemoteIP<#>* and *RemotePort<#>*.

LocalPort2: WebGateway listening port. It must start with #2.

RemoteIP2: Computer IP that is running the runtime service

RemotePort2: “TServer.exe” listening port

LocalPort3: WebGateway listening port

RemoteIP3: Computer IP that is running the runtime service

RemotePort3: “TServer.exe” listening port

.....

RemoteIP<n>: Computer IP that is running the runtime service

RemotePort<n>: “TServer.exe” listening port

> ⚠ *Since the line ”<! ” and ” >” makes a comment block, it needs to be removed.*

> ⓘ *You can find any default values in the “TWebGatewayService.exe.config”.*

> ⓘ The additional ports will not work with the parameters: *LocalPortWA, RemotePortWA ,WA, Encrypt, RuntimeUsersProject, CheckRunTimeUsersWA and TargetCF.*

Starting the Service

When the WebGateway service is started, log messages are in the Windows EventViewer.

Below is a message similar to one of the log messages.

```
First redirect :: LocalPort: 3101, RemoteIP: localhost, RemotePort: 3101,RemotePortWA: 3102
Extra Redirection Table:
Listen on ipv4:        Connect to ipv4:

Address        Port        Address        Port
---------------    ----------        --------------- ---------- 0.0.0.0        3100
192.168.80.129        3100
0.0.0.0        3102        192.168.80.129        3101
```