

## Using Both Windows Integrated and InterAction Authentication and Connecting from Untrusted Domains

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If you need to use **both** Windows Integrated Authentication and InterAction Authentication and have clients that connect from untrusted domains, you need to do some additional configuration steps. This includes both configuring within IIS and updating the **web.config** file for the REST API.



IIS 6.x uses the term **virtual directory**, while IIS 7.x and later uses the term **application**.

You need to create a second virtual directory (IIS 6.x) or application (IIS 7.x) for the API and configure it in IIS with Windows Authentication disabled. This new virtual directory or application needs to have the following settings (note that some of these only apply in IIS 6.0).

- Create the directory\application within the same Web site that contains the default InterActionAPI virtual directory or application
- **Local path:** The REST API installation directory (normally **C:\inetpub\wwwroot\InterActionAPI**)
- **Permissions:** Read, Browse, and Execute permissions
- **Directory Security:** Anonymous Access enabled; all other types of authentication disabled
- **Mappings:** For SVC files, all verbs should be enabled
- **Application Pool:** same pool as the default InterActionAPI virtual directory

The steps to do this depend on your version of IIS.

### [Steps for IIS 7.x](#)

1. In IIS, expand the **node for your server** ► **Sites** item in the **Connections** pane.
2. Right-click the same **Site** that contains the original InterActionAPI application and choose **Add Application**.
3. For the **Alias**, enter a name. You will need to know this name later. Use a name that reflects the purpose of this new application, such as **InterActionAPIAnon**.
4. If necessary, change the **Application Pool** to the same pool used for the original InterActionAPI application.
5. For the **Physical Path**, use the REST API installation directory (normally **C:\inetpub\wwwroot\InterActionAPI**).
6. Choose **OK**.
7. Select the newly created application.
8. Double click the Authentication item and verify that **Anonymous Authentication** is **Enabled** and **Windows Authentication** is **Disabled**.
9. Update the REST API **web.config** file. See [Update the REST API Web.config File](#)

### [Steps for IIS 6.x:](#)

1. In IIS, right-click the same Web Site that contains the original InterActionAPI virtual directory and choose **New > Virtual Directory**. This starts a wizard. Step through each pane of the wizard.
2. Enter a name for the Alias. You will need to know this name later. Use a name that reflects the purpose of this new virtual directory, such as **InterActionAPIAnon**.
3. For the path, use the REST API installation directory (normally **C:\inetpub\wwwroot\InterActionAPI**).
4. For the permissions, select **Read**, **Browse**, and **Execute**.
5. Choose **Finish** to complete the wizard.

6. Right-click the new virtual directory and choose **Properties**. Then configure the directory with the settings listed above.

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- Set security on the Directory Security tab. Under **Authentication and access control**, choose **Edit**. Verify that **Anonymous Authentication** is **Enabled** and **Windows Authentication** is **Disabled**.
- Set the ASP.NET version on the ASP.NET tab.
- Set Mappings on the Virtual Directory tab: choose the Configuration button, select the Mappings tab, then select .svc from the list of Application extensions and choose **Edit**. Verify that All verbs is selected.
- Set the **Application Pool** on the **Virtual Directory** tab.

7. Update the REST API **web.config** file.

#### ☐ [Update the REST API Web.config File](#)

Update the **web.config** file for the API with a new **appSetting** to identify this new directory:

- The web.config file is located in the installation location for the REST API. In a normal environment, this would be **C:\inetpub\wwwroot\InterActionAPI**.
- You need to add the setting **AnonymousVirtualDirectory** with the name of the new virtual directory you created previously.
- For example, if your new virtual directory was called **InterActionAPIAnon**, you would add this line within the <appSettings> section:

```
<add key="AnonymousVirtualDirectory" value="InterActionAPIAnon"/>
```

#### ☐ [Use the Correct URL for API Applications](#)

After setting up the second virtual directory, API applications connecting from untrusted domains need to use a URL that specifies the new virtual directory rather than the normal InterActionAPI virtual directory.

For example, assume the following:

- Your REST API Server is called "IAAPIServer".
- The alternative virtual directory is called **InterActionAPIAnon**.

In this case, you would use these URLs for your API applications:

- For applications connecting from trusted domains:  
`http://IAAPIServer/interactionapi/`
- For applications connecting from untrusted domains using InterAction Authentication:  
`http://IAAPIServer/InterActionAPIAnon/`

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This document applies to InterAction 6.1

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