

KPMVCWebAPIs

Sunday, May 26, 2019 10:39 AM

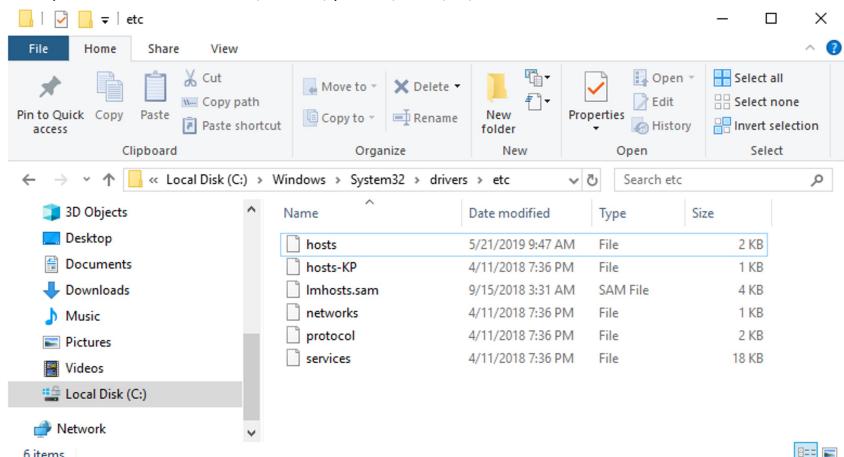
KPMVCWebAPIs

MVC Web-Site (or) MVC REST APIs can be hosted on IIS, the process consists of the following three steps.

- **Application Pools** : Setting-up Application Pools, so that Web-APIs layer can communicate with the backend database.
- **Hosts File**: Making hosts file entries with the IP Addresses and Physical URL paths.
- **Virtual Directory** : Creating a virtual directory on IIS and/or publishing the Web Site on IIS.

Hosts File Entry :

- Every Web-site needs a host file entry.
- A 'hosts' file maps a specific 'IP Address' with a corresponding WebSite/WebAPP/WebAPIs.
- Open the 'hosts' file as in 'administrator' mode.
- Folder path for 'hosts' file location : C:\Windows\System32\drivers\etc\hosts



C:\Windows\System32\drivers\etc\hosts

- Make the following hosts file entry with out a hash

127.0.0.1 kpmvcwebapis.com ##127.0.0.1 api.kpmvcwebapis.com #IIS Localhost Web App & APIs configured

```
hosts - Notepad
File Edit Format View Help
# Copyright (c) 1993-2009 Microsoft Corp.
#
# This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
#
# This file contains the mappings of IP addresses to host names. Each
# entry should be kept on an individual line. The IP address should
# be placed in the first column followed by the corresponding host name.
# The IP address and the host name should be separated by at least one
# space.
#
# Additionally, comments (such as these) may be inserted on individual
# lines or following the machine name denoted by a '#' symbol.
#
# For example:
#
#      102.54.94.97    rhino.acme.com        # source server
#      38.25.63.10    x.acme.com            # x client host

# localhost name resolution is handled within DNS itself.
#      127.0.0.1        localhost
#      ::1              localhost

##KP : Additional Web Applications & APIs configured on IIS localhost
#127.0.0.1      sita.com      ##127.0.0.1 www.kpmvcwebapis.com #IIS Localhost Web App & APIs configured
127.0.0.1      kpmvcwebapis.com ##127.0.0.1 www.kpmvcwebapis.com #IIS Localhost Web App & APIs configured
```

Application Pools :

Default App Pool Errors :

- KPMVCWebAPIs when connecting to the backend DBs should have the App Pools configured.
- If App Pools have not been configured correctly following errors will be displayed.

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<Error>
<Message>An error has occurred.</Message>
<ExceptionMessage>Cannot open database "AdventureWorks2017" requested by the login. The login failed. Login failed for user 'IIS APPPOOL\DefaultAppPool'.</ExceptionMessage>
<ExceptionType>System.Data.SqlClient.SqlException</ExceptionType>
<StackTrace> at System.Data.SqlClient.SqlInternalConnectionTds..ctor(DbConnectionPoolIdentity identity, SqlConnectionString connectionOptions, SqlCredential credential, Object providerInfo, String newPassword, SecureString newSecurePassword, Boolean redirectedUserInstance, SqlConnectionString userConnectionOptions, SessionData reconnectSessionData, DbConnectionPool pool, String accessToken, Boolean applyTransientFaultHandling, SqlAuthenticationProviderManager sqlAuthProviderManager) at System.Data.SqlClient.SqlConnectionFactory.CreateConnection(DbConnectionOptions options, DbConnectionPoolKey poolKey, Object poolGroupProviderInfo, DbConnectionPool pool, DbConnection owningConnection, DbConnectionOptions userOptions) at System.Data.ProviderBase.DbConnectionFactory.CreatePooledConnection(DbConnectionPool pool, DbConnection owningObject, DbConnectionOptions userOptions, DbConnectionPoolKey poolKey, Object providerInfo, String newPassword, SqlConnectionString userConnectionOptions) at System.Data.ProviderBase.DbConnectionPool.CreateObject(DbConnection owningObject, DbConnectionOptions userOptions, DbConnectionInternal oldConnection) at System.Data.ProviderBase.DbConnectionPool.TryGetConnection(DbConnection owningObject, UInt32 waitForMultipleObjectsTimeout, Boolean allowCreate, Boolean onlyOneCheckConnection, DbConnectionOptions userOptions, DbConnectionInternal& connection) at System.Data.ProviderBase.DbConnectionPool.TryGetConnection(DbConnection owningObject, TaskCompletionSource`1 retry, DbConnectionOptions userOptions, DbConnectionInternal& connection) at System.Data.ProviderBase.DbConnectionFactory.TryGetConnection(DbConnection owningConnection, TaskCompletionSource`1 retry, DbConnectionInternal oldConnection, DbConnectionOptions userOptions) at System.Data.ProviderBase.DbConnectionPool.TryOpenConnectionInternal(DbConnection outerConnection, DbConnectionFactory connectionFactory, TaskCompletionSource`1 retry, DbConnectionOptions userOptions) at System.Data.SqlClient.SqlConnection.TryOpenInner(TaskCompletionSource`1 retry) at System.Data.SqlClient.SqlConnection.TryOpen(TaskCompletionSource`1 retry) at System.Data.SqlClient.SqlConnection.Open() at KPMVCWebAPIs.Database.AdventureWorksDAL.SelectAllPersons() in C:\Projects\KPWebProjects\KPMVCWebAPIs\Database\AdventureWorks.cs:line 79 at KPMVCWebAPIs.Controllers.PersonsController.Get() in C:\Projects\KPWebProjects\KPMVCWebAPIs\Controllers\PersonsController.cs:line 32 at lambda_method(Closure , Object ) at System.Web.Http.Controllers.ReflectedHttpActionDescriptor.ActionExecutor.<>c__DisplayClass10.<GetExecutor>b__9(Object instance, Object[] methodParameters) at System.Web.Http.Controllers.ReflectedHttpActionDescriptor.ExecuteAsync(HttpControllerContext controllerContext, IDictionary`2 arguments, CancellationToken cancellationToken) --- End of stack trace from previous location where exception was thrown --- at System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() at System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) at System.Web.Http.Controllers.ApiControllerActionInvoker.<InvokeActionAsyncCore>d__0.MoveNext() --- End of stack trace from previous location where exception was thrown --- at System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() at System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) at System.Web.Http.Dispatcher.HttpControllerDispatcher.<SendAsync>d__1.MoveNext()</StackTrace>
</Error>

```

- Default App Pools Error

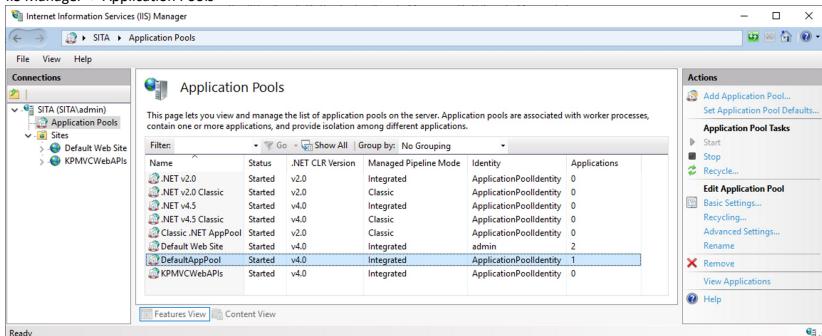
```

<?xml version="1.0" encoding="ISO-8859-1"?>
<Error>
<Message>An error has occurred.</Message>
<ExceptionMessage>Cannot open database "AdventureWorks2017" requested by the login. The login failed. Login failed for user 'IIS APPPOOL\DefaultAppPool'.</ExceptionMessage>
<ExceptionType>System.Data.SqlClient.SqlException</ExceptionType>
<StackTrace> at System.Data.SqlClient.SqlInternalConnectionTds..ctor(DbConnectionPoolIdentity identity, SqlConnectionString connectionOptions, SqlCredential credential, Object providerInfo, String newPassword, SecureString newSecurePassword, Boolean redirectedUserInstance, SqlConnectionString userConnectionOptions, SessionData reconnectSessionData, DbConnectionPool pool, String accessToken, Boolean applyTransientFaultHandling, SqlAuthenticationProviderManager sqlAuthProviderManager) at System.Data.SqlClient.SqlConnectionFactory.CreateConnection(DbConnectionOptions options, DbConnectionPoolKey poolKey, Object poolGroupProviderInfo, DbConnectionPool pool, DbConnection owningConnection, DbConnectionOptions userOptions) at System.Data.ProviderBase.DbConnectionFactory.CreatePooledConnection(DbConnectionPool pool, DbConnection owningObject, DbConnectionOptions options, DbConnectionPoolKey poolKey, DbConnectionOptions userOptions) at System.Data.ProviderBase.DbConnectionPool.CreateObject(DbConnection owningObject, DbConnectionOptions userOptions, DbConnectionInternal oldConnection) at System.Data.ProviderBase.DbConnectionPool.UserCreateRequest(DbConnection owningObject, DbConnectionOptions userOptions, DbConnectionInternal oldConnection) at System.Data.ProviderBase.DbConnectionPool.TryGetConnection(DbConnection owningObject, UInt32 waitForMultipleObjectsTimeout, Boolean allowCreate, Boolean onlyOneCheckConnection, DbConnectionOptions userOptions, DbConnectionInternal& connection) at System.Data.ProviderBase.DbConnectionPool.TryGetConnection(DbConnection owningObject, TaskCompletionSource`1 retry, DbConnectionOptions userOptions, DbConnectionInternal& connection) at System.Data.ProviderBase.DbConnectionFactory.TryGetConnection(DbConnection owningConnection, TaskCompletionSource`1 retry, DbConnectionInternal oldConnection, DbConnectionOptions userOptions) at System.Data.ProviderBase.DbConnectionPool.TryOpenConnectionInternal(DbConnection outerConnection, DbConnectionFactory connectionFactory, TaskCompletionSource`1 retry, DbConnectionOptions userOptions) at System.Data.SqlClient.SqlConnection.TryOpenInner(TaskCompletionSource`1 retry) at System.Data.SqlClient.SqlConnection.TryOpen(TaskCompletionSource`1 retry) at System.Data.SqlClient.SqlConnection.Open() at KPMVCWebAPIs.Database.AdventureWorksDAL.SelectAllPersons() in C:\Projects\KPWebProjects\KPMVCWebAPIs\Database\AdventureWorks.cs:line 79 at KPMVCWebAPIs.Controllers.PersonsController.Get() in C:\Projects\KPWebProjects\KPMVCWebAPIs\Controllers\PersonsController.cs:line 32 at lambda_method(Closure , Object , Object[] ) at System.Web.Http.Controllers.ReflectedHttpActionDescriptor.ActionExecutor.<>c__DisplayClass10.<GetExecutor>b__9(Object instance, Object[] methodParameters) at System.Web.Http.Controllers.ReflectedHttpActionDescriptor.ExecuteAsync(HttpControllerContext controllerContext, IDictionary`2 arguments, CancellationToken cancellationToken) --- End of stack trace from previous location where exception was thrown --- at System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() at System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) at System.Web.Http.Controllers.ApiControllerActionInvoker.<InvokeActionAsyncCore>d__0.MoveNext() --- End of stack trace from previous location where exception was thrown --- at System.Runtime.ExceptionServices.ExceptionDispatchInfo.Throw() at System.Runtime.CompilerServices.TaskAwaiter.HandleNonSuccessAndDebuggerNotification(Task task) at System.Web.Http.Dispatcher.HttpControllerDispatcher.<SendAsync>d__1.MoveNext()</StackTrace>
</Error>

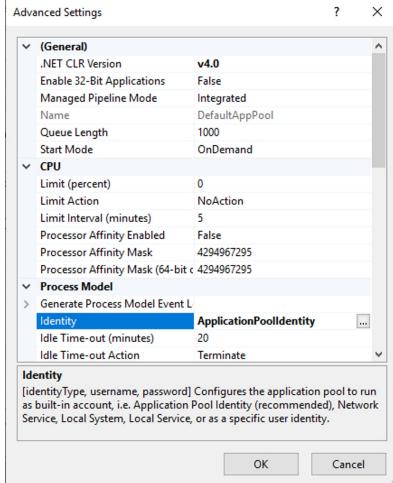
```

Fixing Default App Pool Errors :

- Open IIS Manager by typing the command in the run console -> inetmgr
- IIS Manager -> Application Pools

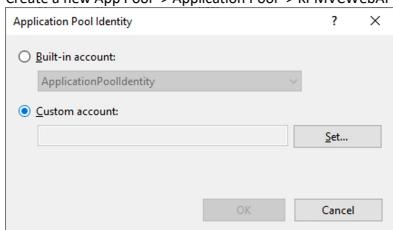


- Click 'DefaultAppPool' -> Advance Settings

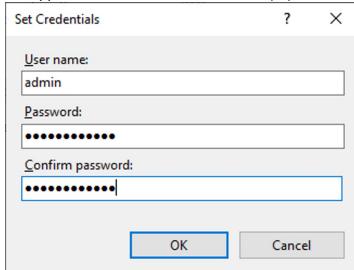


- Click 'DefaultAppPool' -> Advance Settings -> Identity to set the 'AppPoolIdentity' . (or) Create a new App Pool

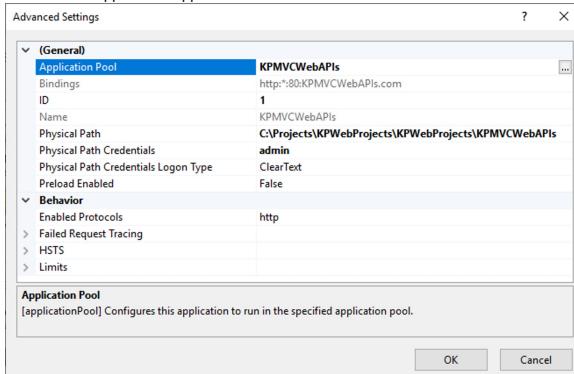
- Create a new App Pool -> Application Pool -> KPMVCWebAPIs



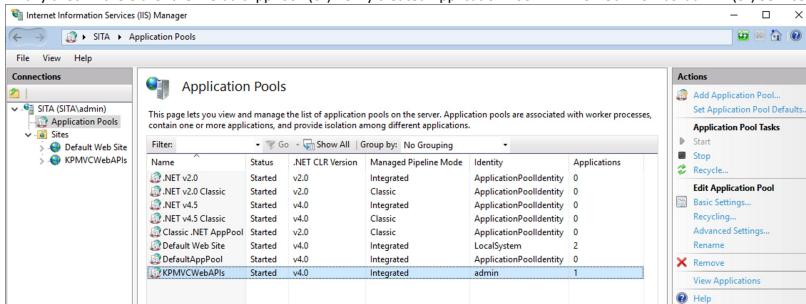
- Set Application Pool Credentials : Admin (or) Service Account Credentials can be set



- Create a new App Pool -> Application Pool -> KPMVCWebAPIs



- Finally check if the either the 'DefaultAppPool' (or) newly created Application Pool 'KPMVCWebAPIs' has 'admin' (or) Service Account Credentials



Internet Information Services (IIS) Manager

SITA > Application Pools

Application Pools

This page lets you view and manage the list of application pools on the server. Application pools are associated with worker processes, contain one or more applications, and provide isolation among different applications.

Filter: Go Show All Group by: No Grouping

| Name | Status | .NET CLR Version | Managed Pipeline Mode | Identity | Applications |
|----------------------|---------|------------------|-----------------------|-------------------------|--------------|
| .NET v2.0 | Started | v2.0 | Integrated | ApplicationPoolIdentity | 0 |
| .NET v2.0 Classic | Started | v2.0 | Classic | ApplicationPoolIdentity | 0 |
| .NET v4.5 | Started | v4.0 | Integrated | ApplicationPoolIdentity | 0 |
| .NET v4.5 Classic | Started | v4.0 | Classic | ApplicationPoolIdentity | 0 |
| Classic .NET AppPool | Started | v2.0 | Classic | ApplicationPoolIdentity | 0 |
| Default Web Site | Started | v4.0 | Integrated | LocalSystem | 2 |
| DefaultAppPool | Started | v4.0 | Integrated | ApplicationPoolIdentity | 0 |
| KPMVCWebAPIs | Started | v4.0 | Integrated | admin | 1 |

Actions

- Add Application Pool...
- Set Application Pool Defaults...
- Application Pool Tasks
 - Start
 - Stop
 - Recycle...
- Edit Application Pool
 - Basic Settings...
 - Recycling...
 - Advanced Settings...
 - Rename
- Remove
- View Applications
- Help

Add Website

Site name: KPMVCWebAPIs Application pool: KPMVCWebAPIs Select...

Content Directory

Physical path: C:\Projects\KPWebProjects\KPMVCWebAPIs ...

Pass-through authentication

Connect as... Test Settings...

Binding

Type: http IP address: All Unassigned Port: 80

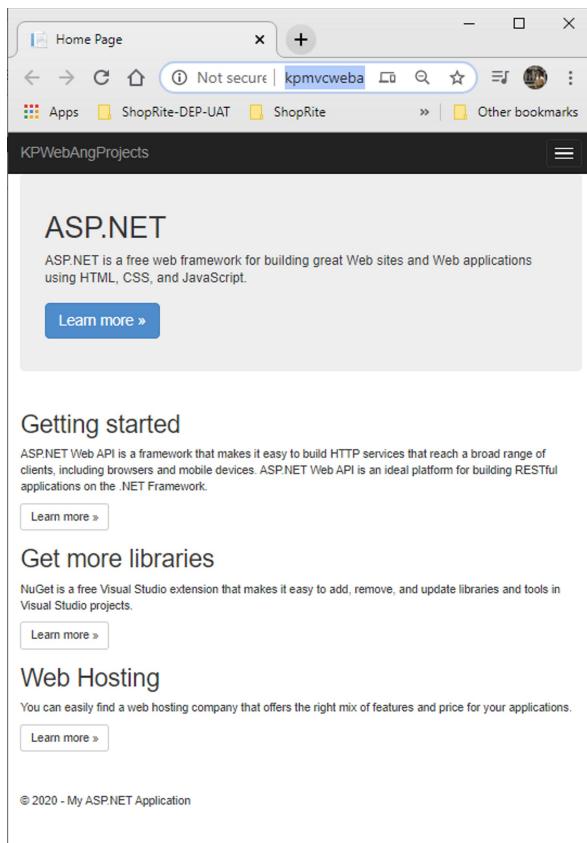
Host name: KPMVCWebAPIs.com

Example: www.contoso.com or marketing.contoso.com

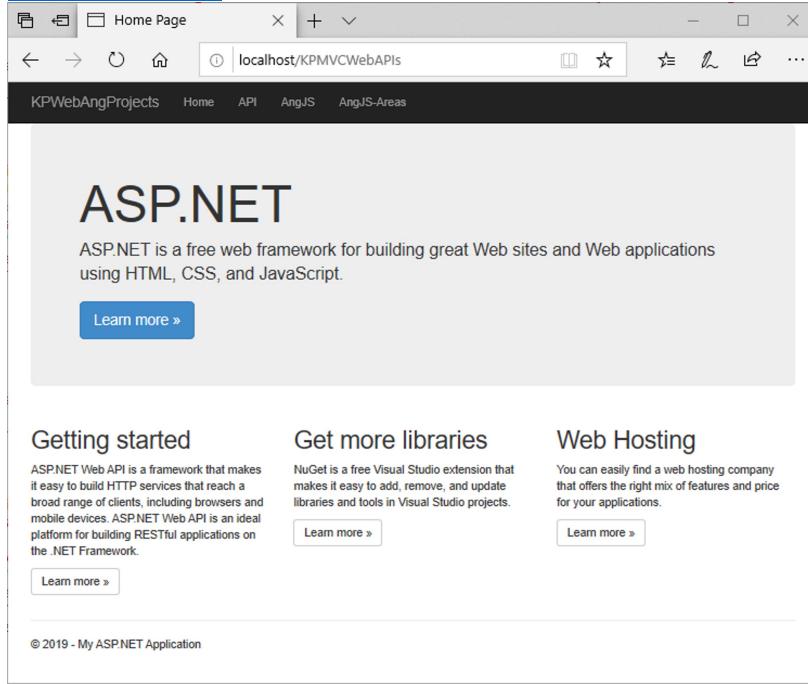
Start Website immediately

OK Cancel

- Test Settings
- Now launch the Web Site & Web APIs using the following URLs (or) URIs
- <http://kpmvcwebapis.com>



• <http://localhost/KPMVCWebAPIs>



• <http://localhost/KPMVCWebAPIs/api/Persons/>

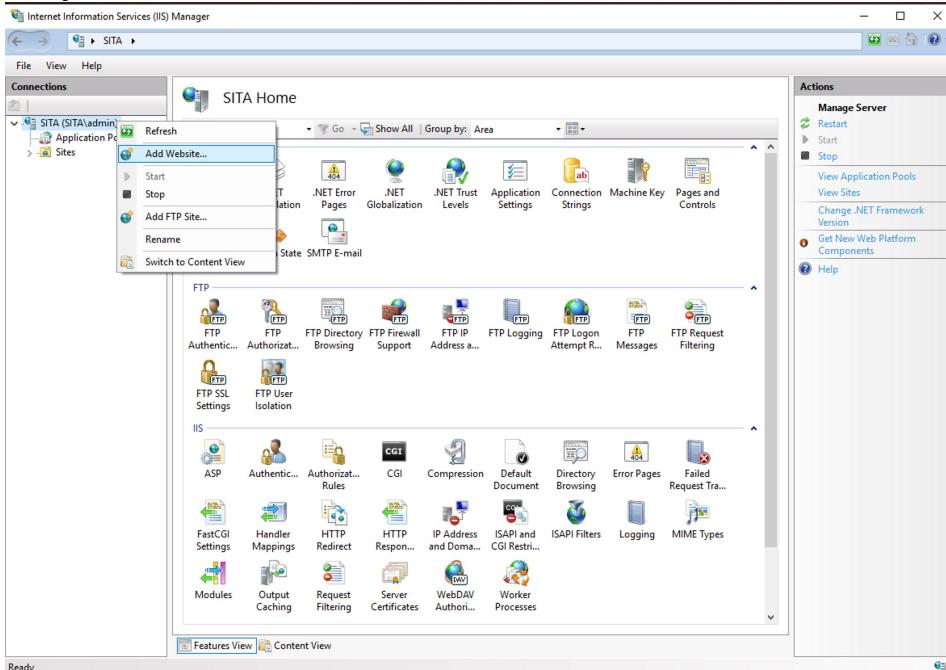
```

<?xml version="1.0" encoding="ISO-8859-1"?>
<ArrayOfPerson xmlns="http://schemas.datacontract.org/2004/07/KPMVCWebAPIs.Models"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <Person>
    <AdditionalContactInfo/>
    <BusinessEntityID>1</BusinessEntityID>
    <Demographics>
      <IndividualSurvey xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey">
        <TotalPurchaseYTD>0</TotalPurchaseYTD>
      </IndividualSurvey>
    </Demographics>
    <EmailPromotion></EmailPromotion>
    <FirstName>Ken</FirstName>
    <LastName>Sánchez</LastName>
    <MiddleName>J</MiddleName>
    <ModifiedDate xmlns:i="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
    <NameStyle>false</NameStyle>
    <PersonType>EM</PersonType>
    <Rowguid>92c4279f-1207-48a3-8448-4636514eb7e2</Rowguid>
    <Suffix/>
    <Title/>
  </Person>
  <Person>
    <AdditionalContactInfo/>
    <BusinessEntityID>2</BusinessEntityID>
    <Demographics>
      <IndividualSurvey xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey">
        <TotalPurchaseYTD>0</TotalPurchaseYTD>
      </IndividualSurvey>
    </Demographics>
    <EmailPromotion></EmailPromotion>
    <FirstName>Terri</FirstName>
    <LastName>Duffy</LastName>
    <MiddleName>Lee</MiddleName>
    <ModifiedDate xmlns:i="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
    <NameStyle>false</NameStyle>
    <PersonType>EM</PersonType>
    <Rowguid>d8763459-8aa8-47cc-aff7-c9079af79033</Rowguid>
    <Suffix/>
    <Title/>
  </Person>
</ArrayOfPerson>

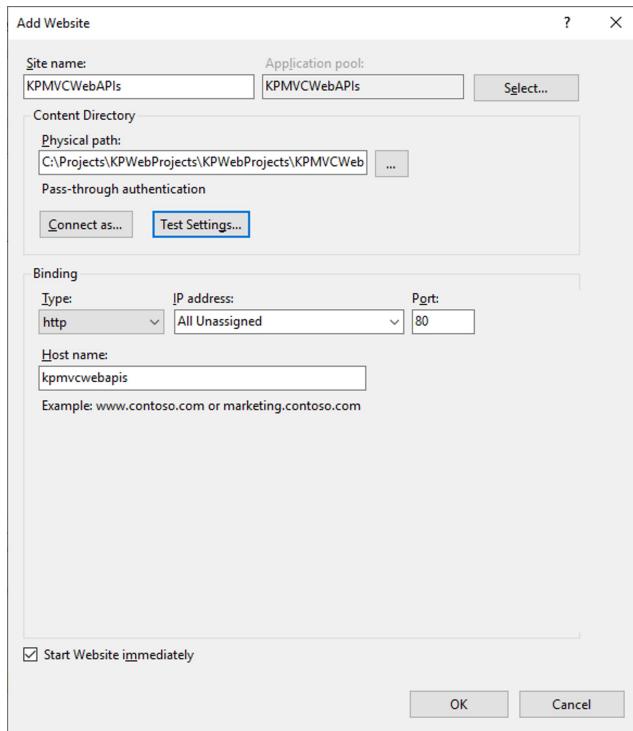
```

Virtual Directory :

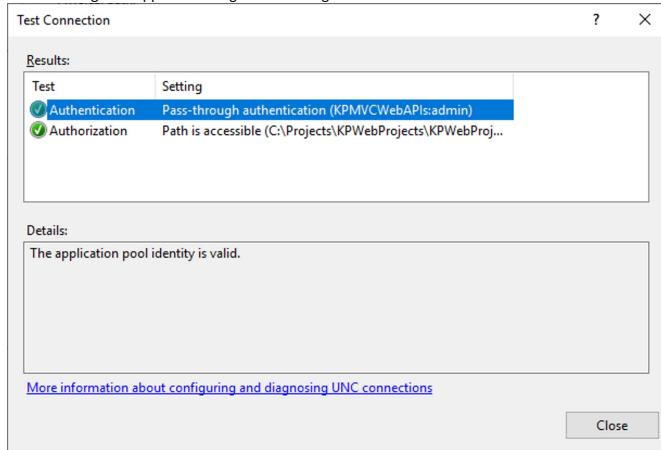
- Creating a Virtual Directory on IIS for publishing the Web-Site involves of the following steps.
- Open IIS Manager by typing the command in the run console -> inetmgr
- IIS Manager -> Sites -> Add Website...



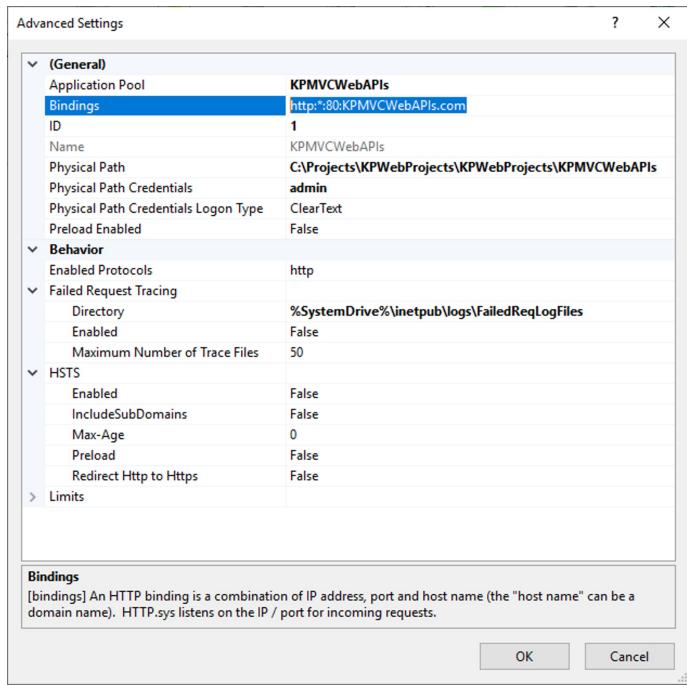
- Add Website



- After entering the "AppPool Settings" Test Settings...



- Ensure both "Authentication & Authorization" fields are Green.
- Check the Bindings



Web Site & Web APIs:

- Start the Web-Site : <http://kpmvcwebapis.com/>

Home Page

Not secure | kpmvcwebapis.com

ASP.NET

ASP.NET is a free web framework for building great Web sites and Web applications using HTML, CSS, and JavaScript.

Learn more »

Getting started

ASP.NET Web API is a framework that makes it easy to build HTTP services that reach a broad range of clients, including desktop clients, mobile devices, and web browsers. ASP.NET Web API is an ideal platform for building RESTful applications on the .NET Framework.

Learn more »

Get more libraries

NuGet is a free Visual Studio extension that makes it easy to add, remove, and update libraries and tools in Visual Studio projects.

Learn more »

Web Hosting

You can easily find a web hosting company that offers the right mix of features and price for your applications.

Learn more »

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- KPWebAPIs : AngularJS : <http://kpmvcwebapis.com/AngularJS/AngularJS>

ASP.NET

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[Learn more »](#)

Angular JS Pages

ASP.NET Web API is a framework that makes it easy to build HTTP services that reach a broad range of clients, including browsers and mobile devices. ASP.NET Web API is an ideal platform for building RESTful applications on the .NET Framework.

[Learn more »](#)

ASP.NET KPMVCWebAPIs :

AngularJS Web Page Contents

| Contents | HTML Anchor Links |
|-------------------|------------------------------------|
| Index | Index» |
| HelloWorld | HelloWorld» |
| HelloAngular | HelloAngular» |
| AngularDOM | AngularDOM» |
| AngularEvents | AngularEvents» |
| AngularjQuerySpin | AngularjQuerySpin» |
| AngularForms | AngularForms» |
| AngularModules | AngularModules» |
| AngularScopes | AngularScopes» |
| AngularServices | AngularServices» |

Getting started

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- <http://localhost/KPMVCWebAPIs/api/Persons/5>

```

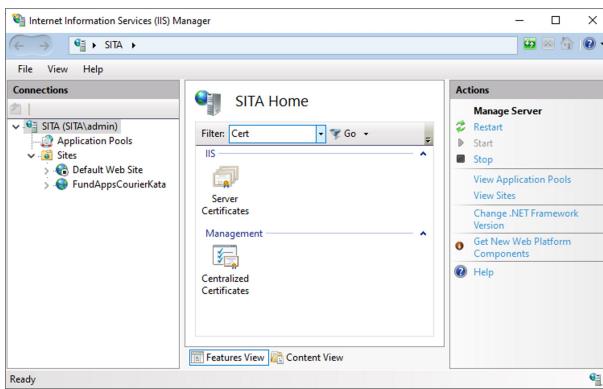
<?xml version="1.0" encoding="ISO-8859-1"?>
- <Person xmlns="http://schemas.datacontract.org/2004/07/KPMVCWebAPIs.Models"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
  <AdditionalContactInfo>
  <BusinessEntityID>5</BusinessEntityID>
  - <Demographics>
    - <IndividualSurvey xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-
      works/IndividualSurvey">
        <TotalPurchaseYTD>0</TotalPurchaseYTD>
    </IndividualSurvey>
  </Demographics>
  <EmailPromotion>0</EmailPromotion>
  <FirstName>Gail</FirstName>
  <LastName>Erickson</LastName>
  <MiddleName>A</MiddleName>
  <ModifiedDate xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:nil="true"/>
  <NameStyle>false</NameStyle>
  <PersonType>EM</PersonType>
  <Rowguid>f3a3f6b4-ae3b-430c-a754-9f22231ba6ef</Rowguid>
  <Suffix/>
  <Title>Ms.</Title>
</Person>
```

SSL & HTTPS (Secure Socket Layer & HTTPS)

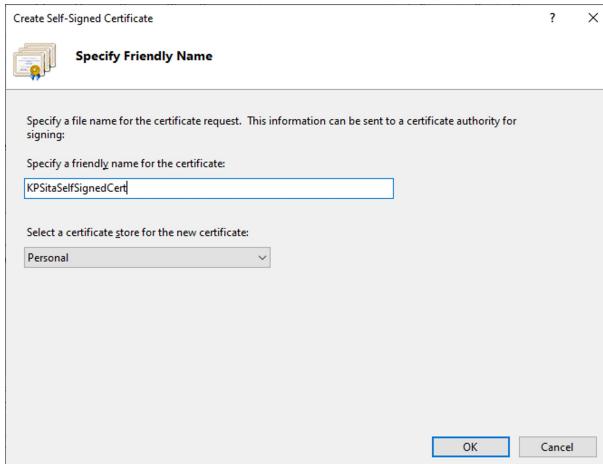
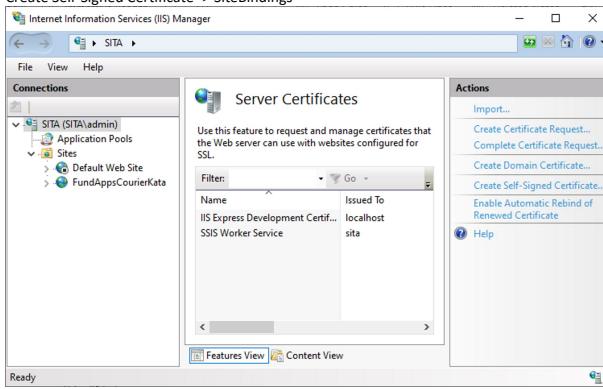
- Secure Socket Layer & HTTPS
- Secure Sockets Layer (SSL) is the standard security technology for establishing an encrypted link between the web server and client browsers. This secured link ensures that all the data passed between the web server and the client remain private and integral. SSL is an industry standard and is used by websites in the protection of the online transactions securely.
- SSL Connection on Web Servers require SSL Certificate.
- Web Servers requires SSL Certificates for secure transactions over the network and transport layer
 - Private Key &
 - Public Key
- Difference between HTTP and HTTPS
 - The HTTPS protocol is more secure than HTTP protocol because it includes SSL (Secure Socket Layer) / Transport Layer Security (TLS)
 - Communication over the SSL/TLS is purely encrypted - Banking & Payment Gateways, emails
- HTTP
 - URL starts with http://
 - 'http://' protocol generally uses open port 80 for communication.
 - http:// Communication is unsecured.
 - http:// Communication is open and runs on Application Layer
 - http:// Communication runs opens with OUT any Certificates on Application Layer
- HTTPS
 - URL begins with https://
 - https:// Communication generally uses port 443
 - https:// Communication operates securely on the Transport Layer hence sometimes uses TLS
 - https:// Communication requires Certificates with Public & Private Key Encryption

SSL & HTTPS - IIS Server

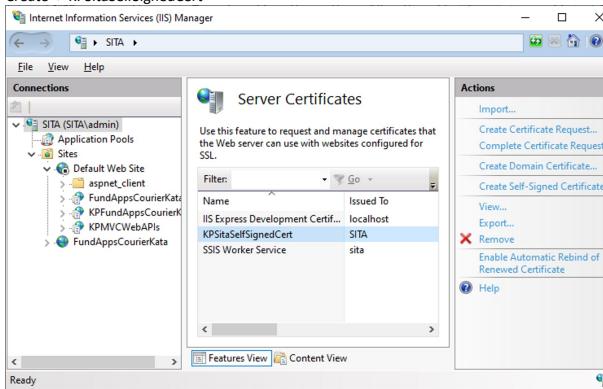
- IIS Implementation & Secure Socket Layer & HTTPS
- Create Self-Signed Certificates.
 - MakeCert.exe
 - Using IIS (or)
- IIS -> Server Certificates -> Create Self-Signed Certificate -> SiteBindings



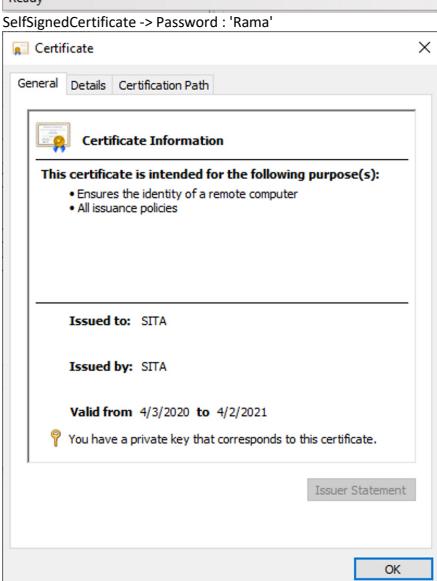
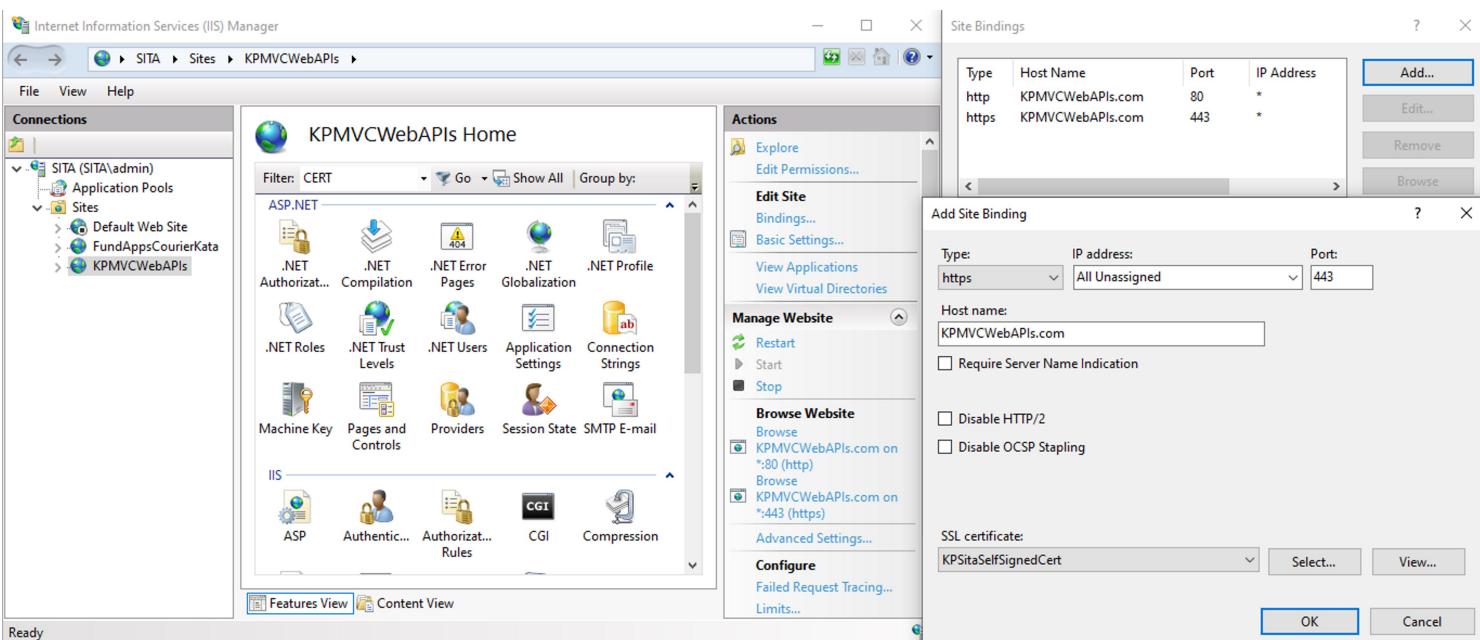
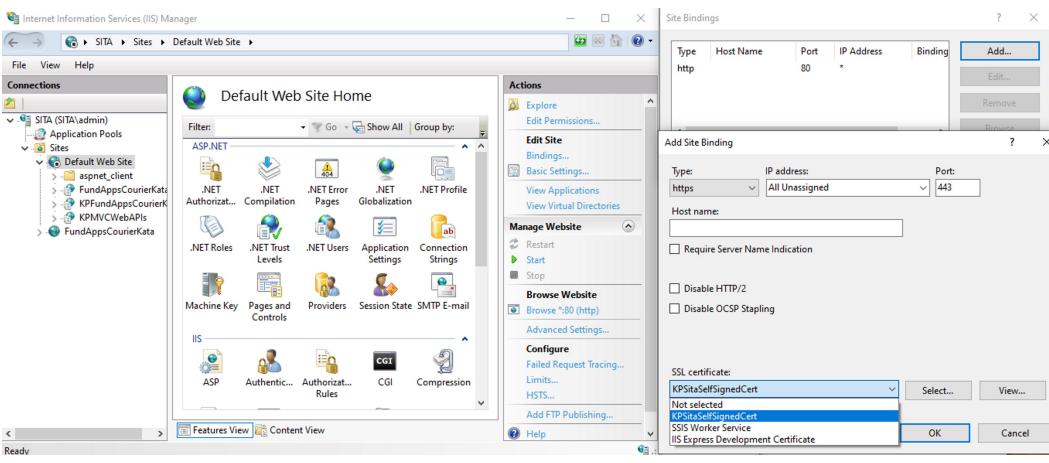
- Create Self-Signed Certificate -> SiteBindings

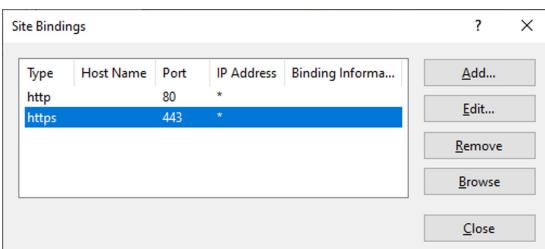
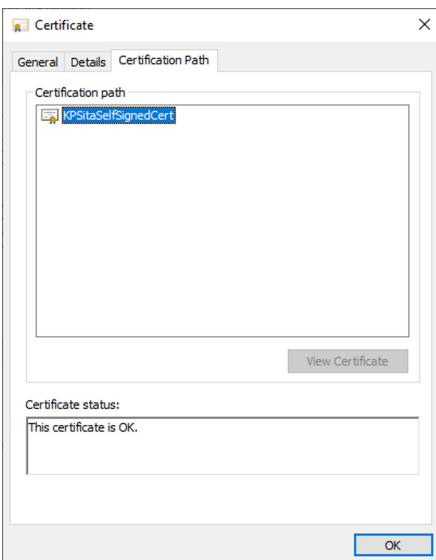


- Create -> KPSitaSelfSignedCert

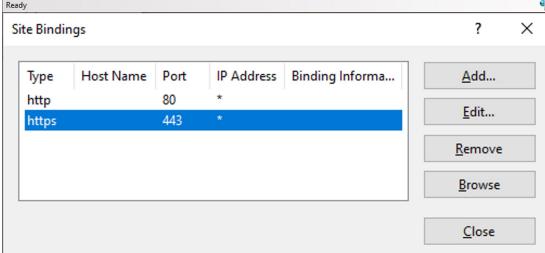
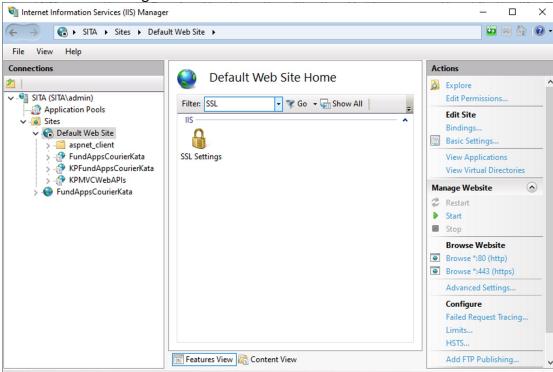


- DefaultWebSites -> Edit Site -> Bindings

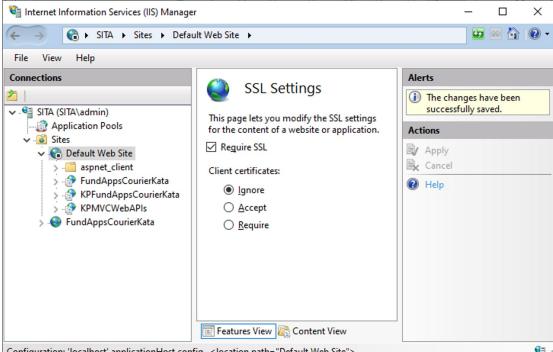




- IIS -> SSL -> SSL Settings



- IIS -> SSL -> SSL Settings -> Require SSL -> Apply



- KPMVCWebAPIs -> SelfSignedCertificate

Internet Information Services (IIS) Manager

SITE > Sites > KPMVCWebAPIs

Actions:

- Explore
- Edit Permissions...
- Bindings...
- Basic Settings...
- View Applications
- View Virtual Directories
- Manage Website

 - Restart
 - Start
 - Stop

- Browse Website

 - Browse KPMVCWebAPIs.com on *:80 (http)
 - Browse KPMVCWebAPIs.com on *:443 (https)

- Advanced Settings...
- Configure
- Failed Request Tracing...
- Limits...

Site Bindings:

| Type | Host Name | Port | IP Address |
|-------|------------------|------|------------|
| http | KPMVCWebAPIs.com | 80 | * |
| https | KPMVCWebAPIs.com | 443 | * |

Add Site Binding:

Type: https IP address: All Unassigned Port: 443

Host name: KPMVCWebAPIs.com

Require Server Name Indication

Disable HTTP/2

Disable OCSP Stapling

SSL certificate: KPSitaSelfSignedCert

OK Cancel

Export & Import SSL File

Internet Information Services (IIS) Manager

SITE > Sites > KPMVCWebAPIs

Actions:

- Import...
- Create Certificate Request...
- Complete Certificate Request...
- Create Domain Certificate...
- Create Self-Signed Certificate...
- View...
- Export...
- Remove
- Enable Automatic Rebind of Renewed Certificate
- Help

Server Certificates:

| Name | Issued To |
|-------------------------------------|-----------|
| IIS Express Development Certificate | localhost |
| KPSitaSelfSignedCert | SITA |
| SSIS Worker Service | sita |

- KPSitaSelfSignedCert.pfx -> Password : 'Rama'

Export Certificate

Export to: \\KPMVCWebAPIs\Literature\KPSitaSelfSignedCert.pfx

Password: Confirm password:

OK Cancel

- Browse the WebSite on <https://KPMVCWebAPIs.com>

Internet Information Services (IIS) Manager

SITE > Sites > KPMVCWebAPIs

Actions:

- Explore
- Edit Permissions...
- Bindings...
- Basic Settings...
- View Applications
- View Virtual Directories
- Manage Website

 - Restart
 - Start
 - Stop

- Browse Website

 - Browse KPMVCWebAPIs.com on *:80 (http)
 - Browse KPMVCWebAPIs.com on *:443 (https)

- Advanced Settings...
- Configure
- Failed Request Tracing...
- Limits...
- HSTS...
- Add FTP Publishing...

- HTTP : <http://KPMVCWebAPIs.com>

Home Page x

Not secure | kpmvcwebapis.com

Apps ShopRite-DEP-UAT ShopRite Angular JavaScript... Other bookmarks

KPWebAngProjects Home API AngJS AngJS-Areas

ASP.NET

ASP.NET is a free web framework for building great Web sites and Web applications using HTML, CSS, and JavaScript.

[Learn more »](#)

Getting started

ASP.NET Web API is a framework that makes it easy to build HTTP services that reach a broad range of clients, including browsers and mobile devices. ASP.NET Web API is an ideal platform for building RESTful applications on the .NET Framework.

[Learn more »](#)

Get more libraries

NuGet is a free Visual Studio extension that makes it easy to add, remove, and update libraries and tools in Visual Studio projects.

[Learn more »](#)

Web Hosting

You can easily find a web hosting company that offers the right mix of features and price for your applications.

- SSL & HTTPS : <https://KPMVCWebAPIs.com:443>

Privacy error x

Not secure | https://localhost/KPMVCWebAPIs.com

Apps ShopRite-DEP-UAT ShopRite Angular JavaScript... Other bookmarks



Your connection is not private

Attackers might be trying to steal your information from **localhost** (for example, passwords, messages, or credit cards). [Learn more](#)

NET::ERR_CERT_COMMON_NAME_INVALID

Help improve Chrome security by sending [URLs of some pages you visit, limited system information, and some page content](#) to Google. [Privacy policy](#)

[Hide advanced](#) [Back to safety](#)

This server could not prove that it is **localhost**; its security certificate is from **SITA**. This may be caused by a misconfiguration or an attacker intercepting your connection.

[Proceed to localhost \(unsafe\)](#)

- SSL & HTTPS : <https://KPMVCWebAPIs.com:443>

The screenshot shows a web browser window with the title "Home Page". The address bar displays "Not secure | kpmvcwebapis.com". The bookmarks bar includes "Apps", "ShopRite-DEP-UAT", "ShopRite", "Angular JavaScript...", "Angular - Tutorial...", and "Other bookmarks". The main content area features the ASP.NET logo and the text "ASP.NET is a free web framework for building great Web sites and Web applications using HTML, CSS, and JavaScript." A blue "Learn more »" button is visible. Below this, there are three sections: "Getting started", "Get more libraries", and "Web Hosting", each with a "Learn more »" button.

- REST API Calls :

The screenshot shows the Postman application interface. The top navigation bar includes "File", "Edit", "View", "Help", "New", "Import", "Runner", and "Upgrade". The workspace is titled "KP Professional Workspace". The request URL is "GET https://kpmvcwebapis.com/api/Persons/2". The "Headers (4)" tab is selected, showing the following table:

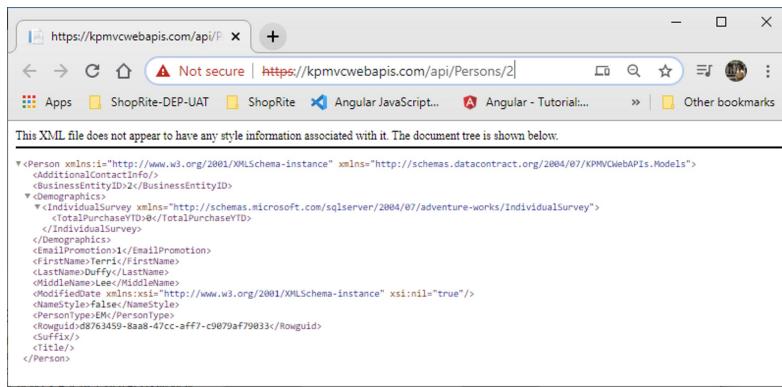
| KEY | VALUE | DESCRIPTION | *** | Bulk Edit | Presets |
|-----------------|--|-------------|-----|-----------|---------|
| Accept | text/html, application/xhtml+xml, application... | | | | |
| Accept-Encoding | gzip, deflate | | | | |
| Accept-Language | en-US, en; q=0.5 | | | | |
| Connection | Keep-Alive | | | | |
| Key | Value | Description | | | |

The status bar at the bottom shows "Bootcamp", "Build", "Browse", and "IS".

The screenshot shows the Postman application interface with a floating 'SETTINGS' dialog box. The 'REQUEST' tab is selected, displaying various configuration options like 'Follow redirects' (ON), 'Send no-cache header' (ON), and 'Automatically follow redirects' (ON). The 'USER INTERFACE' tab is also visible, showing settings for font size (12px), two-pane view (OFF), and variable autocomplete (ON). Other tabs like 'General', 'Themes', 'Shortcuts', etc., are available.

The screenshot shows the Postman interface with a request to 'https://kpmvcwebapis.com/api/Persons/2'. The 'Settings' tab is selected in the request details. The 'Automatically follow redirects' option is ON. Below the settings, there are sections for 'Follow original HTTP Method', 'Follow Authorization header', 'Remove referer header on redirect', and 'Encode URL automatically'. The 'Body' tab is selected, showing the XML response from the API. The response body is as follows:

```
1 <Person xmlns:i="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://schemas.datacontract.org/2004/07/KPMVCWebAPIs.Models">
2   <AdditionalContactInfo></AdditionalContactInfo>
3   <BusinessEntityID>2</BusinessEntityID>
4   <Demographics>
5     <IndividualSurvey xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey">
6       <TotalPurchaseYTD>0</TotalPurchaseYTD>
7     </IndividualSurvey>
8   </Demographics>
9   <EmailPromotion>1</EmailPromotion>
10  <FirstName>Terri</FirstName>
11  <LastName>Duffy</LastName>
12  <MiddleName>Lee</MiddleName>
13  <ModifiedDate xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" />
14  <NameStyle>false</NameStyle>
15  <PersonType>EM</PersonType>
```



This XML file does not appear to have any style information associated with it. The document tree is shown below:

```
<Person xmlns:i="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://schemas.datacontract.org/2004/07/KPMVWebAPIs.Models">
<AdditionalContactInfo>
<BusinessEntityID>2</BusinessEntityID>
<Demographics>
<IndividualSurvey xmlns="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey">
<TotalPurchaseYTD>4</TotalPurchaseYTD>
</IndividualSurvey>
</Demographics>
<Email>terry1@contoso.com</Email>
<FirstName>Terry1</FirstName>
<LastName>Duffy</LastName>
<MiddleName>Lee</MiddleName>
<Rowguid>d8763459-8aa8-47cc-aff7-c9079af79033</Rowguid>
<Customer>
<Title/>
</Customer>
</Person>
```