VMS WEB MODULE SETUP IIS 7.5

RELEASE 2.0.9

Updated: July 2, 2014
The following information defines the setup of the VMSWeb module using IIS 7.5 and is intended for clients that manage their own VMS network. Hosted clients must contact support@teamsoftonline.com if they want upgraded to each new web update.

Note: The update software is designed for IIS 7.5 only. IIS 6.0 is a depreciated software application from Microsoft and is no longer supported. Please contact support@teamsoftonline.com to determine if the v2.0 web version will work in your environment.

There are three sections to this document
- **New Installation**: outlines how to setup the VMSWeb software for first use
- **Move VMSWeb**: outlines how to move VMSWeb from one IIS server to another IIS server
- **Update VMSWeb**: outlines how to update the current v2.0 environment
- **Upgrade VMSWeb**: outlines how to upgrade version v1.0 to v2.0

Prerequisites:
1. .Net 4 is installed on the web server
2. IIS 7.5 is installed on the web server with the following Role Services
   a. Common HTTP Features
   b. Application Development
   c. Security
      i. Basic, Request Filtering
   d. Management Tools
      i. IIS Management Console
      ii. Management Service
      iii. IIS 6 Management Compatibility
         1. IIS 6 Metabase Compatibility
3. Within IIS 7.5, under the main server name, set extensions to be **Allowed within ISAPI and CGI Restrictions** for ASP.NET v4.0.30319 32 and 64 bit
4. SMTP services installed on the web server (if not using MS Exchange)
5. Ensure SQL Server is setup using Mixed Mode Authentication (see VMS Install MSSQL 2012 documentation)
6. Download the VMSStoredProcedureRightsAssignment script from the service web portal (used to make rights assignment to the web user created during the installation)
7. Define / purchase a domain or use a sub domain for the website (example login.yourdomain.com) and change DNS entry through your register website (www.netsol.com, godaddy.com, register.com) to reference your static IP address for your firewall device

Note: It is highly recommended that the IIS server and subsequent VMS websites use a wildcard SSL certificate and attach it to the VMSWeb and VMSXChange websites hosted on the server. The scope of this document does not discuss purchasing the SSL certificate.

### 2.0 UPDATE Notes

General Information
- The primary focus of this release is to continue the stabilization of the VMSWeb release. The original release date of VMSWeb .Net 1 was 01/2005 and required the IIS server to use .Net 1. Version 2.0 uses the .Net 4 directive and the installation of the .Net 4 framework on the IIS server. Updating from .Net 1 to .Net 4 requires some manual configuration within the web.config file. Please read the Upgrade section carefully when converting from version 1 to version 2.

Report Information
- The website software contains the standard VMS reports, but will not have access to any custom reports. You must manually copy any custom reports from the main VMSData\Report folder into the VMSWeb\Report folder. A general rule of thumb is to update VMSWindows and the reports templates to the latest revision, then copy the VMSData\Report contents into the VMSWeb\Report folder.
Modification Table: VMS WINDOWS

The following table has all modifications listed for the VMSWeb update.

Version v2.0.1

<table>
<thead>
<tr>
<th>Area</th>
<th>Type</th>
<th>Revision</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td>Modify</td>
<td>Enhanced all HTML to use HTML5 page directive to make web software more compatible with Safari, Firefox, Chrome and IE 11</td>
</tr>
<tr>
<td>All</td>
<td>Modify</td>
<td>Altered all CSS files to work with new HTML directive</td>
</tr>
<tr>
<td>All</td>
<td>Modify</td>
<td>Enhanced all pages to be more consistent with HTML5 appearance</td>
</tr>
<tr>
<td>A/P Approval</td>
<td>Modify</td>
<td>Added date filtering</td>
</tr>
<tr>
<td>Architectural</td>
<td>Fix</td>
<td>Fixed architectural pages to not block user access depending on defined access</td>
</tr>
<tr>
<td>Document</td>
<td>Modify</td>
<td>Added type filtering</td>
</tr>
<tr>
<td>Resident: Password</td>
<td>Modify</td>
<td>Added code to force user to create complex passwords (more than 6 characters, 1 upper, 1 symbol, 1 numeric)</td>
</tr>
<tr>
<td>Survey</td>
<td>Fix</td>
<td>Allow save of record for survey changes even if vote has occurred</td>
</tr>
</tbody>
</table>

Version v2.0.2

<table>
<thead>
<tr>
<th>Area</th>
<th>Type</th>
<th>Revision</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information</td>
<td>Fix</td>
<td>Look for page post back to avoid duplicating data in information panels</td>
</tr>
<tr>
<td>Information</td>
<td>Fix</td>
<td>Fixed Featured Documents grid to not throw error if user clicks a column header</td>
</tr>
<tr>
<td>Mobile Compliance</td>
<td>Modify</td>
<td>Added Google Map™ ability</td>
</tr>
<tr>
<td>Mobile Compliance</td>
<td>Modify</td>
<td>Added ability to select community before showing map or address list</td>
</tr>
<tr>
<td>Mobile Compliance</td>
<td>Modify</td>
<td>Added house icons and logic to manage units</td>
</tr>
<tr>
<td>Survey View</td>
<td>Modify</td>
<td>Order surveys by created date</td>
</tr>
<tr>
<td>Survey Vote</td>
<td>Fix</td>
<td>Set created date in voting record, which is used on survey report to defined when a user voted on a survey</td>
</tr>
<tr>
<td>Survey Maintenance</td>
<td>Modify</td>
<td>Close maintenance form when user press Save</td>
</tr>
<tr>
<td>Transaction</td>
<td>Fix</td>
<td>Fixed grid to not throw error if user clicks a column header</td>
</tr>
</tbody>
</table>

Version v2.0.7

<table>
<thead>
<tr>
<th>Area</th>
<th>Type</th>
<th>Revision</th>
</tr>
</thead>
<tbody>
<tr>
<td>A/P Approval</td>
<td>Fix</td>
<td>Fixed page cannot be displayed error when more than one voucher exists for a single vendor</td>
</tr>
<tr>
<td>Compliance</td>
<td>Modify</td>
<td>Changed primary queries to specific fields instead of retrieving all columns, which enhances access time</td>
</tr>
<tr>
<td>Mobile Compliance</td>
<td>Modify</td>
<td>Avoid showing units in deleted communities</td>
</tr>
<tr>
<td>Mobile Compliance</td>
<td>Modify</td>
<td>Altered getting and saving compliance data to be more efficient</td>
</tr>
<tr>
<td>Mobile Compliance: Edit Report</td>
<td>Modify</td>
<td>Added user buttons to top of page</td>
</tr>
<tr>
<td>Toolbar</td>
<td>Modify</td>
<td>Added SQL Injection code to parameter entry</td>
</tr>
<tr>
<td>Toolbar</td>
<td>Modify</td>
<td>Removed Calendar, Documents and Survey from Home link to the main toolbar</td>
</tr>
<tr>
<td>Toolbar</td>
<td>Modify</td>
<td>Added logic to not display Committee tool item if user is not a member of a committee</td>
</tr>
</tbody>
</table>
Version v2.0.9

<table>
<thead>
<tr>
<th>Area</th>
<th>Type</th>
<th>Revision</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact: Password e-Payment</td>
<td>Modify</td>
<td>Do not allow entry for #@ characters in password</td>
</tr>
<tr>
<td></td>
<td>Modify</td>
<td>Added validation to name, bank, routing and account entry fields for SQL Injection and invalid characters</td>
</tr>
<tr>
<td>Mobile Compliance:</td>
<td>Fix</td>
<td>Fixed issue when saving modified sequence note</td>
</tr>
<tr>
<td>Sequence Maintenance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Report</td>
<td>Modify</td>
<td>Added code to recognize 24 / 25 default date parameters</td>
</tr>
</tbody>
</table>
New Installation

I. MS SQL Setup
The instructions below apply to SQL Server Management Studio (screen shots may vary based on the installed version of MS SQL).

a. Create a new web user login:

Open MSSQL Server Management Studio | Expand Security | right click on Logins | Select New Login...

b. Having General page selected on the left hand pane:

Enter Login Name: VMSWebUser
Select SQL Server authentication, take note of the password you will entering because it will be used later
Uncheck Enforce password policy and User must change password on next login.
Set Default Database to VMS.

c. Select User Mapping page, on left hand pane:

Select VMS in Users mapped to this login grid.
Select db_datareader and db_datawriter under Database role membership for: VMS.
Press OK to close Login-New window.
d. Open the `VMSStoredProcedureRightsAssignment` script in SQL Server Management Studio change the **database name** (red box) if different on your installation, remove the domain and enter **VMSWebUser** (blue box). **Execute** the script (no errors should be reported)
II. Define Application Pool
On your web server, launch Internet Information Services (IIS) Manager | expand (local computer) follow these steps:

a. Expand Application Pools, right-click and click Add Application Pool.
   Name: VMSWeb
   Managed pipeline mode: Classic
   Unchecked: Start application pool immediately
   Press OK

b. Right click the VMSWeb application pool and select the option Advanced Settings option located in the Actions menu
   Change the Identity to NetworkService (for enhanced security, you can define a user within the Active Directory and assign the user to the pool. You will use the user name in all subsequent information contained this document).
   Press OK

c. Start VMSWeb application pool

d. Add NetworkService account with read / write access to VMSData share, which was defined when setting up VMS
III. Define web site in IIS
On your web server, launch Internet Information Services (IIS) Manager | expand (local computer) follow these steps:

a. Add folder
Create a folder on a desired drive on your web server, for example: c:\Websites\VMSWeb
1. Share the folder as VMSWEB
2. Assign the VMSUsers group with full control rights
3. Assign the NetworkService account with read / write rights

b. Add website
Expand the Sites item | right-click and select Add Web Site | enter the following information:

Site Name: VMSWeb
Application Pool: press Select then select the VMSWeb pool
Physical path: Browse to the folder path containing the web scripts defined on step a
Binding: Enter Host header for your domain defined on step I.
Uncheck: Start Web site immediately

Press OK

d. Change authentication to use Application Pool
Double-click on Authentication icon under IIS
Right-click Anonymous Authentication
Select Edit
Select the Application pool identity item
Press OK

d. Add IE7 Emulation
Double-click the HTTP Response Headers icon located in the IIS section of the site
Right-click, select Add, enter the following values
Name: X-UA-Compatible
Value: IE=EmulateIE7
Press OK
e. Remove unused ISAPI Filters

Double-click the ISAPI Filter icon located in the IIS section of the site
Delete any non-.Net 4 filter assigned to the site by selecting an item | right-click | select Remove

f. Download and execute SetupVMSWebInstaller

1. Download SetupVMSWebInstaller.msi from the VMS client web portal, execute the download and install on the IIS server
2. Select Start | All Programs | Team Soft Solutions | VMSWebInstaller | execute the VMSWebInstaller program (as administrator or right-click Run As Administrator)

 Corners

h. Setup the database connection

The installer should prompt you for the SQL Server address, database name, user and password (created in Step I)
Enter the information for your server and press Install

The software will validate the security information, install the software within the web folder and prompt you with Installation Complete. Press OK and the installer will close

i. Start VMSWeb site

In the right pane of IIS Manager click Browse to review the website

j. https / SSL certificate

It is recommended to use the VMS website with an SSL certificate. Use the following Microsoft article to setup the certificate and attach to the VMSWeb website.

IV. Configure VMS to use the website

Through the VMS client software, enter into Setup | Program Control | Web tab

The fields in this window are further defined:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Default Logo</td>
<td>Select the default logo for the website (jpg or gif, 800 x 150)</td>
</tr>
<tr>
<td>Data Cache Hours</td>
<td>Define how many hours to store the cache for the server</td>
</tr>
<tr>
<td>Default Style Sheet</td>
<td>Select the desired style sheet for the website</td>
</tr>
<tr>
<td>Force Employee Link</td>
<td>Used to only allow employee access for employees linked to property</td>
</tr>
<tr>
<td>Host Name</td>
<td>Enter the host name for the website defined when setting up the site (without http://)</td>
</tr>
<tr>
<td>Local Folder Path</td>
<td>Physical location of VMSWeb files (not UNC path), must match path setup on the IIS server</td>
</tr>
<tr>
<td>Login Attempts</td>
<td>Enter the desired failed login attempts for users not able to accurately login to the website (the system will not allow the user to login for the rest of the day once the user has exceeded this number)</td>
</tr>
<tr>
<td>Mapped Web Folder</td>
<td>Enter the UNC mapping to share</td>
</tr>
<tr>
<td>Mapped Share</td>
<td>If share requires separate user authentication, enter login info in these fields</td>
</tr>
<tr>
<td>Email Addresses</td>
<td>Enter a sales, service and webmaster email address for the system to send emails to incase of issues with the website</td>
</tr>
<tr>
<td>Session Minutes</td>
<td>Used to define the number of idle minutes a user must interact with the website before forcing the user to reenter the user / password</td>
</tr>
<tr>
<td>SMTP Server</td>
<td>Leave blank if VMSWeb is setup on the same server as your SMTP, Exchange or Mail services. Otherwise, enter IP Address of server that is running one of these services</td>
</tr>
<tr>
<td>URL</td>
<td>Full URL (including http:// or https://) to a website to default to when a user logs out of the website</td>
</tr>
</tbody>
</table>
V. Configure e-mail services

In order for e-mail notifications to be sent out to homeowners you must define the server that is running your mail services in VMS. The most common option is to have a Microsoft Exchange server installed or install SMTP component on the web server.

If you currently use Microsoft Exchange 2003 follow these steps to configure it properly:

1. On the server where Exchange is running browse to the folder: c:\Program Files\Exchanger\Mailroot\vsi_1\PickUp folder
2. Share the **PickUp** folder as **mailpickup**, add **VMSUsers** with full access.
3. Open VMS, go to **Setup | Program Control | Folder Path in Email Pickup** field enter the UNC path to the mailpickup folder you shared on step 2.
4. If VMS Web module is setup on a different server than the Exchange server, you also want to enter the **internal IP Address** of the Exchange server under the **Web** tab in the **SMTP** field
   a. You must define the Exchange server to accept SMTP relaying from the IIS server to the Exchange server
5. Changes will take effect after closing VMS completely

If you currently use Microsoft Exchange 2007 follow these steps to configure it properly:

1. On the server where Exchange is running browse to the folder: C:\Program Files\Microsoft\Exchange Server\TransportRoles\Pickup folder
2. Share the **PickUp** folder as **mailpickup**, add **VMSUsers** with full access.
3. Open VMS, go to **Setup | Program Control | Folder Path in Email Pickup** field enter the UNC path to the mailpickup folder you shared on step 2.
4. If VMS Web module is setup on a different server than the Exchange server, you also want to enter the **internal IP Address** of the Exchange server under the **Web** tab in the **SMTP** field
   a. You must define the Exchange server to accept SMTP relaying from the IIS server to the Exchange server
5. Changes will take effect after closing VMS completely

If you do not have Microsoft Exchange installed then use the following:

1. Install SMTP component from Add/Remove Programs | Add/Remove Windows Components
2. The install will create a folder: c:\Inetpub\mailroot\Pickup
3. Share the **PickUp** folder as **mailpickup**, add **VMSUsers** with full access.
4. Open VMS, go to **Setup | Program Control | Folder Path in Email Pickup** field enter the UNC path to the mailpickup folder you shared on step 3.
5. Changes will take effect after closing VMS completely.
**Move VMSWeb**

Moving VMSWeb from one IIS server to another is very similar to doing a New Installation of VMSWeb on the new server; the only difference is that you will be moving files from the old server to the new one. Below are the steps that you need to follow to achieve the process. Please review the **Prerequisites** section of this document, to make sure your new server will comply with the requirements.

**On the Old IIS server**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>a.</strong></td>
<td>Open Internet Information Services, and <strong>Stop VMSWeb</strong> website</td>
</tr>
<tr>
<td><strong>b.</strong></td>
<td>Take note of <strong>Host header value</strong> or <strong>Host name</strong> of VMSWeb (depending on the version of IIS installed on your old server), you will need this information when setting up the website on the new server</td>
</tr>
</tbody>
</table>
| For **IIS 6.0:** | - Select VMSWeb website  
- Right click, select **Properties**  
- Under **Web Site** tab, click **Advanced...** button  
- Write down the contents of **Host header value** field |
| For **IIS 7.0/7.5:** | - Select VMSWeb website  
- Click on **Bindings...**  
- Write down the contents of **Host name** field |
| **c.** | Take note of the current **sharing** and **security settings** defined for the VMSWeb folder, these setting will have to be replicated on the new server |
| **d.** | **Stop sharing** of VMSWeb folder |
On the New IIS server

I. Create a VMSWeb folder

a. Add folder
   Create a folder on a **desired drive** on your web server, for example: c:\Websites\VMSWeb

b. Copy files
   Copy the contents of the VMSWeb folder from the old server to the newly created folder

c. Share folder
   Share the folder as VMSWEB

d. Assign rights
   Assign the **same security rights** as noted in the **old server**, normally the VMSUsers group will have **full control** rights and the NetworkService account with **read/write** rights

e. Change the paths in VMS:
   - Open **VMS**
   - **Setup | Program Control | Web tab**
   - Enter the folder path defined in step a, in the **Local Folder Path** field. **Note:** this should be the actual path, not the UNC path
   - Enter the UNC path or shared path of VMSWeb in **Mapped Web Folder** field

II. Define Application Pool

Launch **Internet Information Services (IIS) Manager** | expand (local computer)

a. Expand **Application Pools**, right-click and click **Add Application Pool**.
   **Name:** VMSWeb
   **.Net Framework version:** .Net Framework v4.0.30319
   **Managed pipeline mode:** Classic
   **Unchecked:** Start application pool immediately

Press **OK**
b. Right click the VMSWeb application pool and select the option **Advanced Settings** option located in the **Actions** menu

Change the Identity to **NetworkService** (for enhanced security, you can define a user within the Active Directory and assign the user to the pool. You will use the user name in all subsequent information contained this document).

Press **OK**

c. Start **VMSWeb** application pool

d. Add **NetworkService** account with read / write access to **VMSData** share, which was defined when setting up VMS

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**II. Define web site in IIS**

On your web server, launch **Internet Information Services (IIS) Manager** | expand **(local computer)** follow these steps:

a. Add website

Expand the **Sites** item | right-click and select **Add Web Site** | enter the following information:

**Site Name:** VMSWeb  
**Application Pool:** press Select then select the VMSWeb pool  
**Physical path:** Browse to the folder path containing the web scripts defined on step a  
**Binding:** Enter Host name based on the notes taken from your old server  
**Uncheck:** Start Web site immediately

Press **OK**
b. Change the Default Document

Click on the newly created website, located the item Default Document in the IIS group

Double-click the item to display the Default Document properties

Delete ALL items except login.aspx (if login.aspx does not exist, click Add and enter the login.aspx item)

Press OK

c. Change authentication to use Application Pool

Double-click on Authentication icon under IIS

Right-click Anonymous Authentication

Select Edit

Select the Application pool identity item

Press OK

d. Add IE7 Emulation

Double-click the HTTP Response Headers icon located in the IIS section of the site

Right-click, select Add, enter the following values

Name: X-UA-Compatible

Value: IE=EmulateIE7

Press OK

e. Remove unused ISAPI Filters

Double-click the ISAPI Filter icon located in the IIS section of the site

Delete any non .Net 4 filter assigned to the site by selecting an item | right-click | select Remove

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Village Management Software
### f.
Find out if VMSWeb was already configured to use .Net 4
- Locate the `web.config` file located in the root folder
- Open the file using **NotePad**
- Does the file contain the `<startup>` banners (highlighted in red)
  - If **Yes**, then proceed with install instructions "Update VMSWeb" on page 14
  - If **No**, then proceed with install instructions "Upgrade VMSWeb from 1.0 to 2.0" on page 15

Once completed, continue with the steps below

<table>
<thead>
<tr>
<th>Web.config - Notepad</th>
</tr>
</thead>
<tbody>
<tr>
<td>File Edit Format View Help</td>
</tr>
</tbody>
</table>
|<?xml version="1.0" encoding="utf-8"?>  
<configuration>  
<appSettings>  
<add key="conn" value="packet s  
<add key="provider" value="PROVIDER=SQLOLEDB.1;" />  
<add key="googlemapskey" value="y" />  
</appSettings>  
<startup><supportedruntime version="v4.0" /></startup>  
<system.web>  
<httpRuntime executionTimeout="1000" />  
<httpHandlers>  
<add verb="su" path="clchartimage.aspx" type="CL..." />
</httpHandlers> |

### g.
Change your firewall settings to point all http/https traffic to the new server

### h.
Configure/change your SSL certificate to be used on the new server
**Update VMSWeb**

This section assumes you have VMSWeb v.2.0 installed on your IIS 7.5 Server and you want to update to the new revision of v2.0.x.

**Note:** Hosted clients must contact support@teamsoftonline.com to be updated to this version.

**Note:** As with any update, make a copy or backup the website folder before starting.

**a.** Download the VMS Web Installation file *SetupVMSWebInstaller64.msi* from the VMS web portal, execute the download and install on the IIS server.

**b.** Select **Start** | **All Programs** | **Team Soft Solutions** | **VMSWebInstaller** | execute the **VMSWebInstaller** program (as administrator or right-click Run As Administrator)

Within the Automatic tab, select the website from the dropdown list.

Press the **Update** button to copy the new software to the web folder.
Upgrade VMSWeb from Version 1.0 to 2.0

This section assumes you are currently running the .Net 1 version of VMSWeb and you want to upgrade to v.2.0 installed on your IIS 7.5 Server.

As with any upgrade, make a copy or backup the website folder before starting.

**Note i:** Hosted clients must contact support@teamsoftonline.com to be updated to this version.

**Note ii:** This update does not work on the IIS6.0 platform, please contact support@teamsoftonline.com to discuss your upgrade options.

**Note iii:** Your environment must be using SQL Server 2005 or above in order to use the google mapping feature. You can continue with the upgrade if you are not using the minimum version of SQL Server, however, you will need to skip any sections that discuss the google mapping feature.

**Note iv:** The VMSWeb software uses new style sheets to support the HTML used to build websites. Please contact support@teamsoftonline.com before following any of the upgrade steps if you had a developer create custom style sheets for your installation because they will need to be altered in order for the site to operate.

The v2.0 version uses the .Net 4 platform and requires the installer to make manual modifications to the IIS 7.5 environment and website configuration file before the update can be processed. It is possible that the VMSWeb software is already configured to use the .Net 4 framework, but follow the steps to validate all entries of this manual process just to make sure the web hosting environment is properly configured.

<table>
<thead>
<tr>
<th>a. Modify the VMS database to use google mapping</th>
</tr>
</thead>
<tbody>
<tr>
<td>On the SQL Server, open <strong>SQL Server Management Studio</strong>, log into the application, expand the <strong>Databases</strong> tree in the Object Explorer, select the <strong>VMS</strong> database.</td>
</tr>
<tr>
<td>Press the <strong>New Query</strong> button in the toolbar, copy / paste the following text (downloadable from the website) into the Query window and press <strong>Execute</strong>.</td>
</tr>
</tbody>
</table>
| ```sql
ALTER TABLE Unit ADD u_GEOAddress NVARCHAR(MAX) NULL
``` |
| You should get a message stating **Command(s) completed successfully.** |
| Close **SQL Server Management Studio** |
b. On the IIS Server

Stop the website using the IIS 7.5 Manager interface by running **IIS Manager** on the server, expand the **Sites** tree, select the website and press the **Stop** link under the Actions pane.

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![IIS Manager Interface](image1.png)

**Edit Application Pool**

- **Name:** VMSWeb
- **.NET Framework version:** .NET Framework v4.0.30319
- **Managed pipeline mode:** Classic
- **Start application pool immediately:**

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![HTTP Response Headers](image2.png)

**Edit Custom HTTP Response Header**

- **Name:** X-UA-Compatible
- **Value:** IE=EmulateIE7

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![ISAPI Filters](image3.png)

**ISAPI Filters**

Use this feature to configure ISAPI filters that process requests made to the server.

- **Group by:** No Grouping
- **Name**
  - `.net 1`
  - `.Net 4.0_32bit`
  - ASP.NET_4.0_64bit`
- **Executable**
  - `C:\Windows\Microsoft.NET\Framework\`
<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
</tr>
</thead>
</table>
| **f.** | Alter the `web.config` file to use Google mapping<br>Open an Explorer window and locate the VMSWeb folder<br>Locate the `web.config` file located in the root folder, open the file using **Notepad**<br>Add the following directive within the `<appsettings>` area, which will allow for Google mapping<br><br>```xml<br>&lt;appSettings&gt;<br>  &lt;add key="conn" value="&lt;connectionString&gt;&lt;add key="provider" value="Provider=SQLCEDB.1;" /&gt;&lt;add key="googlemapskey" value="Y" /&gt;&lt;/addSettings&gt;<br>```
| **g.** | Alter the `web.config` file to use .Net 4<br>Add the following directive under the `<appSettings>` tag and before the `<system.web>` tag, which will allow the site to operate using the .Net 4 framework<br><br>```xml<br>&lt;appSettings&gt;<br>  &lt;add key="conn" value="&lt;connectionString&gt;&lt;add key="provider" value="Provider=SQLCEDB.1;" /&gt;&lt;add key="googlemapskey" value="Y" /&gt;&lt;/connectionString&gt;&lt;/addSettings&gt;<br>```
| **h.** | Update the website software<br>Download the VMS Web Installation file **SetupVMSWebInstaller64.msi** from the VMS web portal, execute the download and install on the IIS server<br><br>**Documents**

- **Groups**: All Groups
- **Area**: 2.0 Web Software

**Files**

- **2/19/2014** - Script to add IIS information to run
- **2/17/2014** - VMS Web Installer 2.0.2
1. Select Start | All Programs | Team Soft Solutions | VMSWebInstaller program (as administrator or right-click Run As Administrator)

Within the Automatic tab, select the website from the dropdown list.

Press the Update button to copy the new software to the web folder.

Your site has been updated. Please log into the site as a client and review the changes.

**Note:** You might notice that the site does not properly assign the new style sheet attributes when visiting the page after the update. This is a temporary condition until the client browser forces a reload of the style sheet.

Each browser caches the style sheet in order to quickly load a page. You can refresh the site within the browser to force the style sheet cache to reload.

Example, if you use IE, press the F5 button when the site is loaded, which will force the cache to reload.