



## Setting-up your computer to run SPARS Web

Before running the SPARS Web application in your computer for the first time, please follow the instructions described in this document to adjust your computer and internet settings. This will allow SPARS Web to run in your computer by simply clicking on the appropriate link and logging on.

### 1.0 Hardware & Software Requirements

The minimum and optimal requirements for hardware and software used to run SPARS Web are given below.

Platform	Minimum Requirements to Run SPARS Web Enabled Application	Recommended Requirements to Run SPARS Web Enabled Application
◇ CPU	◆ Pentium-class processor – 1 GHz or faster	◇ Pentium-class processor – 1.8 GHz or faster
◇ Memory	◆ 128 MB	◇ 512 MB
◇ Disk	◆ 10 GB	◇ 20 GB
◇ Network	◆ 56k dial-up connection to Internet	◇ Broadband connection to Internet
◇ Operating System	◆ Windows 2000 (any edition), or ◆ Windows XP (any edition), ◆ Windows 2003 (any edition), ◆ Windows 2007 (any edition), or ◆ Windows Vista (any edition)	◇ Windows 2000 (any edition), or ◇ Windows XP (any edition), ◇ Windows 2003 (any edition) ◇ Windows 2007 (any edition), or ◇ Windows Vista (any edition)
◇ Software	◆ Microsoft Internet Explorer 6.0 SP1 or SP2, Internet Explorer 7.0  ◆ Sybase Apeon ActiveX Accelerator (automatically downloaded to the client browser when running the SPARS web enabled application)	◇ Microsoft Internet Explorer 6.0 SP1 or SP2, Internet Explorer 7.0  ◇ Sybase Apeon ActiveX Accelerator (automatically downloaded to the client browser when running the SPARS web enabled application)  ◇ Adobe Acrobat Reader 6.0 (for viewing printed PDF DataWindows or reports)

## 2.0 Adjust Desktop Display Settings

Your desktop display should be set to **1024 X 768**.

If your display is not set to 1024 X 768, follow these instructions:

1. Right-click inside the Windows desktop and select **Properties**.
2. Select the **Settings** tab.
3. Note your current [Screen resolution](#) in case you need to reset it later.
4. Move the [Screen resolution](#) slide bar to 1024 X 768.
5. Click **Apply**. The screen will be reset.
6. Click **Yes**.
7. Click **OK**.

## 3.0 Adjust Temporary Internet Files and Caching

### ➤ Delete all temporary files stored in the Internet Explorer cache:

1. Open Internet Explorer.
2. Select **Internet Options** on the **Tools** menu.
3. Select the **General** tab.
4. Depending on the Internet Explorer that you have, do the following:
  - [Internet Explorer 6.0](#):
    - Click **Delete Files...** in the **Temporary Internet Files** section.
  - [Internet Explorer 7.0](#):
    - Click **Delete...** in the **Browsing History** section.
    - Click **Delete Files...** in the **Temporary Internet Files** section.
5. Click **OK**.

### ➤ Verify settings for temporary internet files within Internet Explorer and set up file caching:

1. Open Internet Explorer.
2. Select **Internet Options** on the **Tools** menu.
3. Select the **Advanced** tab. Scroll down to the Security section and make sure that **Empty Temporary Internet Files folder when browser is closed** option is **NOT** checked.
4. Select the **General** tab.
5. Depending on the Internet Explorer version that you have, do the following:
  - [Internet Explorer 6.0](#):
    - Click **Settings...** in the **Temporary Internet Files** section.

- Select the **Automatically** button to check for newer versions of stored pages.
  - *Internet Explorer 7.0:*
    - Click **Settings...** in the **Browsing History** section.
    - Select the **Automatically** button to check for newer versions of stored pages.
6. Verify that the **Amount of Disk Space to Use** is set to no less than 200MB.
  7. Click **OK**.

#### 4.0 If Running SPARS Web via a Proxy Server

If you are running SPARS Web through a Proxy Server, you must ensure that the Advanced Setting **HTTP 1.1 through proxy connections** remains enabled.

*NOTE: These instructions are only necessary if a Proxy Server is used.*

1. Open Internet Explorer.
2. Select **Internet Options** on the **Tools** menu.
3. Select the **Advanced** tab.
4. Scroll down to the **HTTP 1.1 Settings** section.
5. Select **Use HTTP 1.1** if it is not currently selected.
6. Select **Use HTTP 1.1 through proxy connections** if it is not currently selected.
7. Click **Apply** and then **OK**.

#### 5.0 Adjust Internet Security Settings

In order for SPARS Web to be set up on your machine, you must make sure that your internet security is set correctly. SPARS Web uses a version of *Appeon* (5.0 Xcelerator) and other functions that require specific security settings.

1. Open Internet Explorer.
2. Select **Internet Options** on the **Tools** menu.
3. Select the **Security** tab.
4. In the Web Content Zone area, select **Internet**.
5. Click **Custom Level...** at the bottom of the box.
6. The following settings must be in place to set up SPARS Web. Your computer might already have these selections in place, depending on the security level that you have set. Additionally, these options may or may not be available to you depending on the Internet Explorer version or Service Pack that you have:
  - Download signed ActiveX controls – select **Enable**.
  - Download unsigned ActiveX controls – select **Prompt**.
  - Initialize and script ActiveX controls not marked as safe – select **Prompt**.

- Run ActiveX controls and plug-ins – select **Enable**.
- Script ActiveX controls marked safe for scripting – select **Enable**.
- File download – select **Enable**.
- Active scripting – select **Enable**.
  
- Internet Explorer 6.0:
  - Allow paste operations via script – select **Enable**.
  - Allow active content to run in files on My Computer – select **Enable**.
- Internet Explorer 7.0:
  - Allow websites to prompt for information using scripted windows – select **Enable**.

7. Click **OK** when the new security settings have been selected. Some of these settings will be re-adjusted after *Appeon* is installed in your computer.

## 6.0 Adjust Trusted Sites Security Settings

You must make sure that your “trusted sites” security is set correctly. SPARS Web uses a version of *Appeon* (5.0 Xcelerator) and other functions that require specific “trusted sites” security settings.

1. Open Internet Explorer.
2. Select **Internet Options** on the **Tools** menu.
3. Select the **Security** tab.
4. In the Web Content Zone area, select **Trusted Sites**.
5. Click **Custom Level...** at the bottom of the box.
6. If available, make sure that the following settings are selected. Your computer might already have these selections in place, depending on the security level that you have set. Additionally, these options may or may not be available to you depending on the Internet Explorer version or Service Pack that you have:
  - Download signed ActiveX controls – select **Enable**.
  - Download unsigned ActiveX controls – select **Prompt**.
  - Initialize and script ActiveX controls not marked as safe – select **Prompt**.
  - Run ActiveX controls and plug-ins – select **Enable**.
  - Script ActiveX controls marked safe for scripting – select **Enable**.
  - File download – select **Enable**.
  - Active scripting – select **Enable**.
  
  - Internet Explorer 6.0:
    - Allow paste operations via script – select **Enable**.
    - Allow active content to run in files on My Computer – select **Enable**.

- Internet Explorer 7.0:
    - Allow websites to prompt for information using scripted windows
      - select **Enable**.
7. Click **OK** when the new security settings have been selected. Some of these settings will be re-adjusted after *Apeon* is installed in your computer.

## 7.0 Adjust Additional Trusted Sites Settings

1. Open Internet Explorer.
2. Select **Internet Options** on the **Tools** menu.
3. Select the **Security** tab.
4. In the Web Content Zone area, select **Trusted Sites**.
5. Click the **Sites** button.
6. Make sure that the following web addresses are included in your Websites box:
  - [http://\\*.aq41.dnraq.state.ia.us](http://*.aq41.dnraq.state.ia.us)
  - <http://aq41.dnraq.state.ia.us>
  - <http://aq48.dnraq.state.ia.us/spars>
7. If they are not, you must add them to your Trusted Sites:
  - First, make sure that **Require server verification (https) for all sites in this zone** is not checked. Uncheck this field if necessary.
  - For each of the above web addresses, do the following (one address at a time):
    - Type the web address in **Add this website to the zone** field.
    - Click the **Add** button.
8. When all the web addresses have added, click the **Close** button.

## 8.0 Check Version of Jscript.dll

You must make sure that the version of *jscript.dll* on your PC is the correct version.

1. In Windows Explorer open the `\WINNT\system 32` folder.
2. Scroll down and locate the *jscript.dll* file.
3. Right-click on this file name and select **Properties**.
4. Select the **Version** tab. The version must be at least 5.6.x.xxxx. If the version number is older than 5.6.x.xxxx (a smaller number), download the newer version at:

<http://www.microsoft.com/downloads/details.aspx?FamilyID=c717d943-7e4b-4622-86eb-95a22b832caa&DisplayLang=en>

## 9.0 Disable Internet Anti-popup/Anti-Virus Software

In order to have *Appeon* correctly installed in your computer, anti-popup software must be disabled. After installation, the anti-popup software can be enabled. Additionally, it is recommended that your anti-virus software be temporarily disabled until you have completed the SPARS installation. Once you have completed the installation, the anti-virus software may be enabled.

## 10.0 Install *Appeon*

1. Open Internet Explorer.
2. On the web browser, type this address: <http://aq48.dnraq.state.ia.us/spars>
3. If the download does not automatically start, you should be directed to a page to manually install the application. You may need administrator rights on your computer to install the Java applet needed to connect you to SPARS Web.
4. When prompted, choose the following:
  - Install ActiveX
  - Trust this site
  - Always allow popups from this site
5. When the installation is complete, close Internet Explorer.

## 11.0 Re-adjust Internet Security Settings

1. Open Internet Explorer.
2. Select **Internet Options** on the **Tools** menu.
3. Select the **Security** tab.
4. In the Web Content Zone area, select **Internet**.
5. Click **Custom Level...** at the bottom of the box.
6. Make the following security setting selections:
  - Download signed ActiveX controls – select **Prompt**.
  - Download unsigned ActiveX controls – select **Disable**.
  - Initialize and script ActiveX controls not marked as safe – select **Disable**.
  - Run ActiveX controls and plug-ins – select **Enable**.
  - Script ActiveX controls marked safe for scripting – select **Enable**.
  - File download – select **Enable**.
  - Active scripting – select **Enable**.
  - Internet Explorer 6.0:
    - Allow paste operations via script – select **Enable**.
    - Allow active content to run in files on My Computer – select **Enable**.
  - Internet Explorer 7.0:
    - Allow websites to prompt for information using scripted windows – select **Enable**.

7. Click **OK** when the new security settings have been selected and then click **Yes** to accept the new settings.

## 12.0 Re-adjust Trusted Site Security Settings

1. Open Internet Explorer.
2. Select **Internet Options** on the **Tools** menu.
3. Select the **Security** tab.
4. In the Web Content Zone area, select **Trusted Sites**.
5. Click **Custom Level...** at the bottom of the box.
6. Make the following security setting selections:
  - Download signed ActiveX controls – select **Prompt**.
  - Download unsigned ActiveX controls – select **Disable**.
  - Initialize and script ActiveX controls not marked as safe – select **Disable**.
  - Run ActiveX controls and plug-ins – select **Enable**.
  - Script ActiveX controls marked safe for scripting – select **Enable**.
  - File download – select **Enable**.
  - Active scripting – select **Enable**.
  
  - Internet Explorer 6.0:
    - Allow paste operations via script – select **Enable**.
    - Allow active content to run in files on My Computer – select **Enable**.
  - Internet Explorer 7.0:
    - Allow websites to prompt for information using scripted windows – select **Enable**.
7. Click **OK** when the new security settings have been selected and then click **Yes** to accept the new settings.
8. Close Internet Explorer.

## 13.0 Create a SPARS Web shortcut

Creating a SPARS Web shortcut using the correct URL will ensure your access to the *Appeon* logging screen regardless any SPARS upgrades installed by the DNR.

1. Right-click inside the Windows desktop and select **New**.
2. Select **Shortcut**.
3. Inside the text box, type the following location:  
<http://aq48.dnraq.state.ia.us/spars>
4. Click **Next**.
5. Inside the text box, type: **SPARS Web**
6. Click **Finish**
7. Next time you need to access SPARS Web, place your cursor on this shortcut and double-click the left side of your mouse.