RESOURCE AND PATIENT MANAGEMENT SYSTEM

Practice Management Application Suite

(BPRM)

Required Settings for Edge IE Mode

Supplemental Document
Version 3.0 Patch 9
March 2022

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Preface

Microsoft® (MS) ended support for Silverlight on October 12, 2021. Support for Internet Explorer (IE) will also end in June 2022. The current Practice Management Application Suite (BPRM) only works with IE 11 and Silverlight. The IHS Office of Information Technology (OIT) team has taken measures to allow users to continue to use BPRM v3.0 p9 past the dates above and reduce associated risks. However, to continue using BPRM, all BPRM Users must be set up to use Edge IE 11 mode on or before June 1, 2022. This document provides instructions to do so.

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Internet Explorer Risk Mitigation

The OIT team has developed a workaround to use until BPRM v4.0 is released. MS Edge, a cross-platform web browser, has a compatibility-mode setting that allows the use of IE, enabling backward compatibility that is supported through at least 2029. This workaround requires all BPRM Users be set up to use Edge IE 11 mode. IE and Silverlight must still be installed on the computer. Successful MS Edge compatibility testing was done with Chinle, Whiteriver, PIMC, and Billings.

> **Important**: BPRM v3.0 p9 will not work with new Windows 11 machines, as they only come with MS Edge. It is recommended to keep Windows 10 at those workstations that utilize BPRM until the release of BPRM v4.0.

Silverlight Risk Mitigation

The executable file for Silverlight has been removed from the Microsoft website, however, OIT has a copy of the installation file. If needed, open an IHS IT Service Desk ticket at ITSupport@ihs.gov to request the file.

Silverlight runs in a sandbox that is responsible for executing code in a safe and secure manner. By moving to a newer sandbox (MS Edge in IE mode) we are improving our overall security situation. Any security vulnerability discovered in the future may allow code to be executed outside the sandbox. By restricting Silverlight to only execute whitelisted application (adding BPRM to compatibility mode and restricting other websites), we can mitigate the risk of remote code execution by compromised website.

1.0   Release Notes

This manual provides instructions for creating a new Group Policy Object (GPO) for the use of Internet Explorer (IE) Mode in Microsoft (MS) Edge. Also included are instructions for Configuring the Enterprise IE Mode Site List so that specific websites will open in IE Mode in MS Edge. With this setting, there is an .xml file (list of websites) that must be created and placed in a network location for enterprise use. The websites in the enterprise-mode site list will not expire. Administrators should perform the steps in the document.

If your organization has not configured the GPO for MS Edge, configuration for Microsoft Edge (IE Mode) is provided for individual workstations in [Configure Microsoft Edge for IE Mode for Individual Workstations](#).

2.0   Installation Notes

2.1   Required Resources

In preparation for an MS Edge IE Mode GPO, prior to installation, download the **ADML** and **ADMX** templates to the computer where the GPO will be created.

3.0   Creating a New GPO for the Use of IE Mode in MS Edge

3.1   Step One: Installation Instructions for Enabling Internet Explorer Mode

The following are installation instructions for enabling the Configure Internet Explorer Integration using Group Policy.

1. Go to: https://www.microsoft.com/en-us/edge/business/download

2. Select the **Windows 64-bit Policy** to download.

3. After downloading, extract the file to a folder and open **MicrosoftEdgePolicyTemplates > windows > admx**.

4. Copy **msedge.admx, msedgeupdate.admx and msedgewebview2.admx** to **C:\Windows\PolicyDefinitions**.

5. Copy **msedge.adml, msedgeupdate.adml and msedgewebview2.adml** to **C:\Windows\PolicyDefinitions\en-us**.

6. Open the **Group Policy Management** console.

7. Navigate to **Group Policy Objects**, right-click, and select **New**.

8. Type in the **GPO name** and click **OK**.

9. Go to the newly created **GPO**, right-click, and select **Edit**.

10. In the **Group Policy Management** editor, expand **Computer Configuration** > **Policies** > **Administrative Templates**.

11. Select **Microsoft Edge** and in the right pane, double-click **Configure Internet Explorer Integration**.

12. Select **Enabled**.

13. From the drop-down list, select **Internet Explorer mode** and click **OK**. This causes the websites to open in IE Mode in Microsoft Edge.

14. Link your new **GPO**. In the **Group Policy Management** console, navigate to your **OU**, right-click the computer's **OU** or the **OU** you want the **GPO** applied to.

15. Select **Link an Existing GPO...**.

16. Select the **GPO** and click **OK**.

3.2 Step Two: Instructions for Enabling Configuration of the Enterprise Mode Site List Using Group Policy and Creating the Enterprise Site List

This will redirect specific websites from **Microsoft Edge** to **IE Mode**. To use the **Configure Enterprise Mode Site List**, you must create an **.xml** file to use with it.

1. Open **Notepad**.

2. Copy and paste the following into **Notepad**:

```
<site-list version="205">
    <!-- File creation header -->
    <created-by>
        <tool>EnterpriseSitelistManager</tool>
        <version>10240</version>
        <date-created>20150728.135021</date-created>
    </created-by>
    <!-- Begin Site List -->
    <site url="www.example.gov">
        <compat-mode>default</compat-mode>
        <open-in>IE11</open-in>
    </site>
    <site url="example2.com">
        <compat-mode>default</compat-mode>
        <open-in>IE11</open-in>
    </site>
</site-list>
```

3. Once copied into **Notepad**, enter the **website URLs** into it. Sites can be added or removed in the **.xml** file.

4. Save as **sites.xml**.

5. Find a network location to put the **sites.xml**.

6. Modify the **GPO** created in Step One: Installation Instructions for Enabling Internet Explorer and expand **Computer Configuration** > **Policies** > **Administrative Templates**.

7. Highlight **Microsoft Edge** and in the right pane, double-click **Configure the Enterprise Mode Site List**.

8. Select **Enabled**.

9. In **options**, type the **path** for the **sites.xml** file.

   Example: **\\Server1\testshare\sites.xml**

10. Click **OK**.

3.3　　Step Three: Optional Setting – Instructions for Configuring the Use of Local Site Lists for IE Mode

This is an optional setting to add to the GPO for users who add the local IE Mode Site List to their MS Edge browser. Users can add websites to their local IE Mode Site list to automatically open in IE Mode for up to 90 days. After 90 days users can add it back to the local site list if they choose. If this policy is disabled or not configured, the default value of 30 days is used.

1. Modify the **GPO** that you created in <u>Step One: Installation Instructions for Enabling Internet Explorer Mode</u> and expand **Computer Configuration** > **Policies** > **Administrative Templates**.

2. Highlight **Microsoft Edge** and in the right pane, double-click **Specify the number of days that a site remains on the local IE mode site list**.

3. Select **Enabled**.

4. In **Options**, type the **number of days**.

5. Click **OK**.

4.0   Configure Microsoft Edge for IE Mode for Individual Workstations

If your organization has not configured the GPO for MS Edge, individual users may complete the following setup. An alternative method for setting up an individual workstation is shown in [Alternative Method for Setting Up an Individual Workstation](#).

4.1   Adding a Specific Page to the Local Site List

1. Open **Microsoft Edge** on **Windows 10**.

2. Click the **Settings and More** ellipsis button (Figure 4-1) on the top-right corner of the window.

3. Click the **ellipsis** button (Figure 4-1) in the top-right corner of the page and select **Settings**.
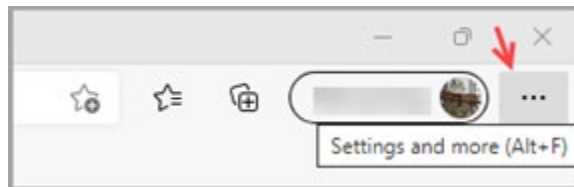

Figure 4-1: Settings and more on Microsoft Edge

The **Settings** menu opens (Figure 4-2).

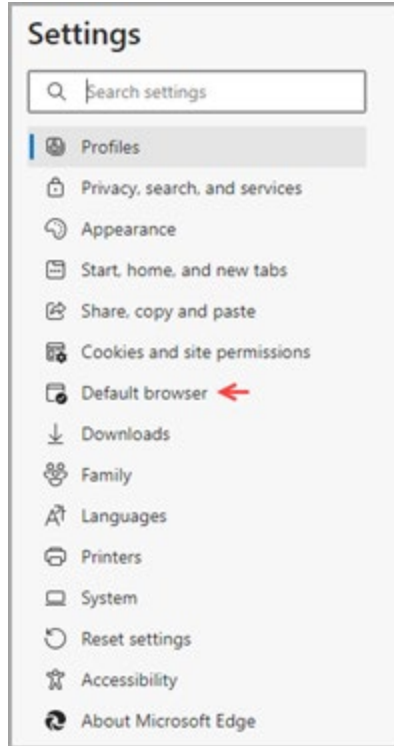4. Under **Settings**, select the **Default browser** option (Figure 4-2).

Figure 4-2: Microsoft Edge Settings menu and Default browser option

The **Default browser** window opens.

5.   Under the **Internet Explorer Compatibility** section in **Allow sites to be reloaded in Internet Explorer mode** (Figure 4-3) click the down-arrow to the right and select **Allow** from the list.
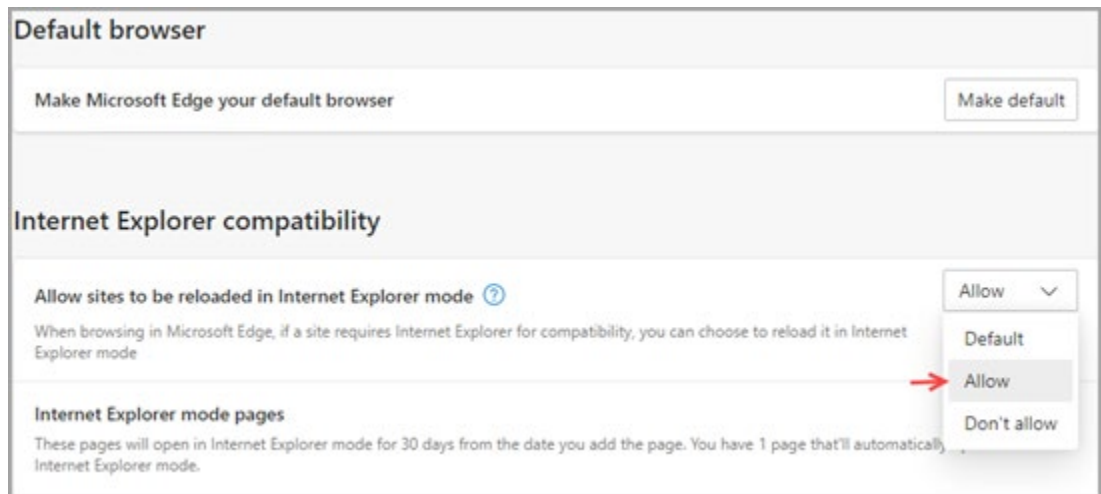

Figure 4-3: Allow sites to be reloaded in Internet Explorer mode drop-down list

6. Click **Add** in the **Internet Explorer mode pages** field (Figure 4-4).

Internet Explorer mode pages   → | Add
These pages will open in Internet Explorer mode for 30 days from the date you add the page. You have 1 page that'll automatically open in
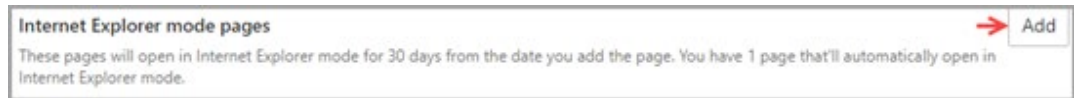Internet Explorer mode.

Figure 4-4: Internet Explorer mode pages Add button

This adds the specific page to the local site list and will automatically open in IE
Mode for the next 30 days (this is configurable for each site up to 90 days).

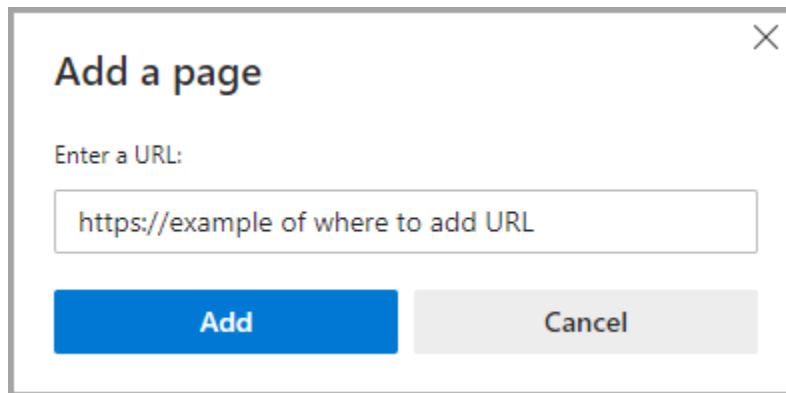The **Add a page** dialog (Figure 4-5) displays.

Add a page   ✕

Enter a URL:

https://example of where to add URL

Add   Cancel

Figure 4-5: Add a Page with URL Example dialog

7. Enter the correct **URL** for **BPRM 4.0** and click **Add**.

The **Default browser** window and **Internet Explorer mode pages** field displays
again showing that the BPRM 4.0 URL has been added and the date it will expire
(30 days). At that date, IE Mode must be added again.

Entries remain on the local site list for a default period of 30 days. On day 31,
when users navigate to the site, a banner displays explaining that the site will no
longer load in IE Mode. Users can add it back to the local site list at that time.

8. Close the **Settings** window and the **Edge** browser opens in IE Mode.

4.2   Alternative Method for Setting Up an Individual Workstation

The following steps allow individual workstations to add IE Mode without an expiration date.

1. Open **MS Edge**.

2. Click the **ellipsis** button in the top-right corner of the page and select **Settings**. The **Settings** menu (Figure 4-6) displays.
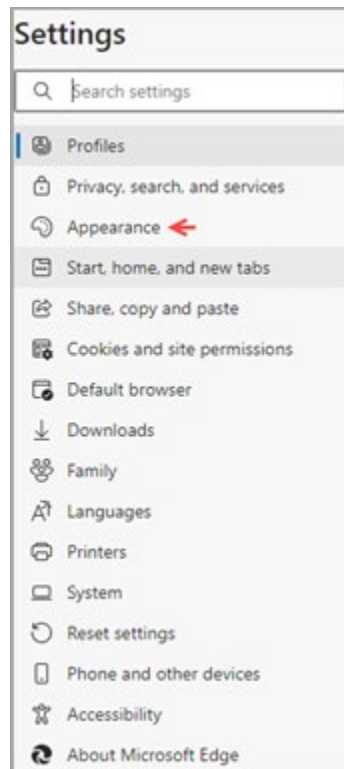
3. Select **Appearance**.

Figure 4-6: Selecting Appearance in Settings list

4. In **Appearance**, scroll down and select **Internet Explorer mode button** (Figure 4-7). Toggle the button on the right to **On**.

Figure 4-7: Internet Explorer Mode Button

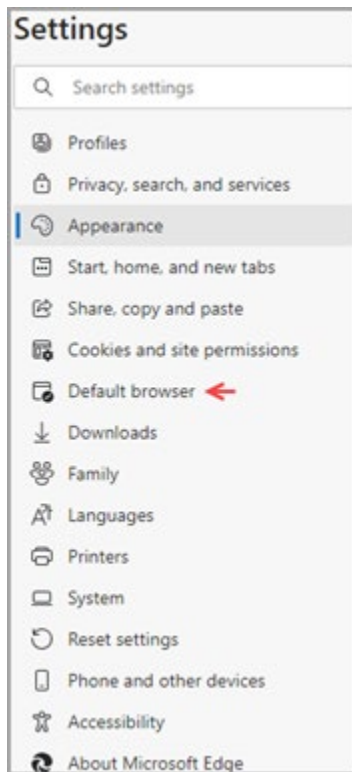5. Return to **Setting** and select **Default Browser** (Figure 4-8).

Figure 4-8: Selecting Default Browser in Settings list

6. In **Allow sites to be reloaded in Internet Explorer mode** (Figure 4-9), select **Allow** from the drop-down list.
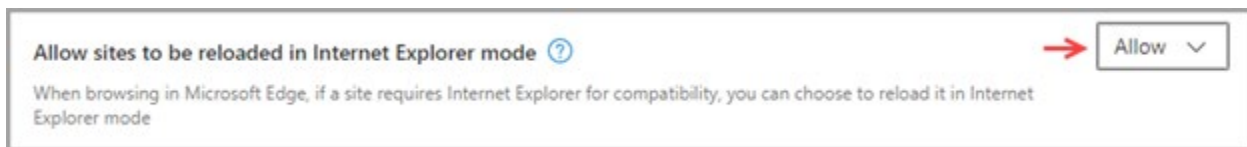

Figure 4-9: Allow Sites to be Reloaded in IE Mode

7. Go to the **BPRM website** to be used in IE Mode.

8. Select the **Reload in IE Mode** icon (Figure 4-10) located in the upper-right corner of the website.

Figure 4-10: Reload in IE Mode icon

The **IE Mode** icon (Figure 4-11) displays in the upper-left corner of the browser.

9. Click the **IE Mode** icon. The **Internet Explorer** icon (Figure 4-11) displays in the upper-left corner of the browser along with the **This page is open in Internet Explorer mode** message.
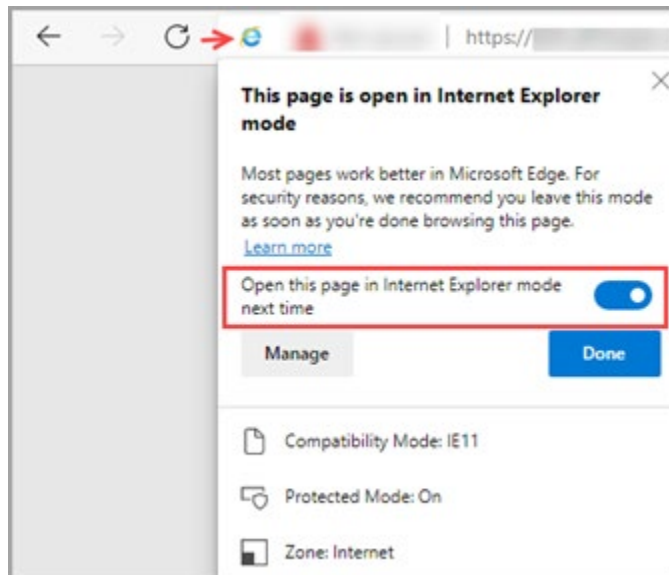

Figure 4-11: This Page Is Open in Internet Explorer Mode message

10. Toggle the button **Open this page in Internet Explorer mode next time** to **On**.

Toggling the message to **On** adds the specific page to the local site list so it automatically opens in **IE Mode** for the next 30 days (this is configurable for each site, up to 90 days). If the user sees the screen (Figure 4-11) again, it means the 30 days have run out and the **IE Mode** icon (Figure 4-10) must be clicked again to restart the 30 days.

> **Note**: If the user chooses to not toggle to **On**, the **IE Mode** icon must be selected each time the browser is opened for **BPRM**. In this case, the 30-day limit will not apply, since the user is choosing **IE Mode** each time they use the **BPRM** website.

Acronym List

Acronym	Meaning
GPO	Group Policy Objects
IE	Internet Explorer
IHS	Indian Health Service
MS	Microsoft
OIT	IHS Office of Information Technology
RPMS	Resource and Patient Management System

Contact Information

If you have any questions or comments regarding this distribution, please contact the IHS IT Service Desk.

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