



**United States Department of Agriculture**

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**Financial Management  
Modernization Initiative (FMMI)**

***FMMI Desktop Configuration Guide***

Version 5.2

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# 1 FMMI Portal Desktop Requirements

The FMMI Desktop Configuration Guide is intended for Agency IT POC's and Agency IT Desktop support personnel who will assist end users with desktop support needs for FMMI. The FMMI Desktop Configuration Guide provides the required software and recommended web browser settings to run FMMI.

## 1.1 Federal Desktop Core Configuration (FDCC)

All agencies must be compliant with the Federal Desktop Core Configuration (FDCC) to use FMMI. The Federal Desktop Core Configuration (FDCC) is an OMB-mandated security configuration. The FDCC currently exists for Microsoft Windows Vista and XP operating system software. While not addressed specifically as the "Federal Desktop Core Configuration," the FDCC was originally called for in a 22 March 2007 memorandum from OMB to all Federal agencies and department heads and a corresponding memorandum from OMB to all Federal agency and department Chief Information Officers (CIO).

For more information on FDCC, please refer to NIST guidance at <http://nvd.nist.gov/fdcc/index.cfm>

## 1.2 FMMI Desktop Software Requirements

The following software applications are required for FMMI desktops:

1. FMMI Supported Operating Systems
  - Microsoft XP
  - Microsoft Vista
  - Microsoft Windows 7
2. FMMI supported Web Browser
  - Microsoft Internet Explorer 6.0, 7.0 or 8.0
3. Sun Java Runtime Environment (JRE) Version 1.4.2.10 or higher
4. Adobe Flash Player

## 1.3 Installing Java Runtime Environment (JRE) for FMMI

FMMI requires Java Runtime Environment (JRE) Version 1.4.2.10 or higher.

To install the JRE,

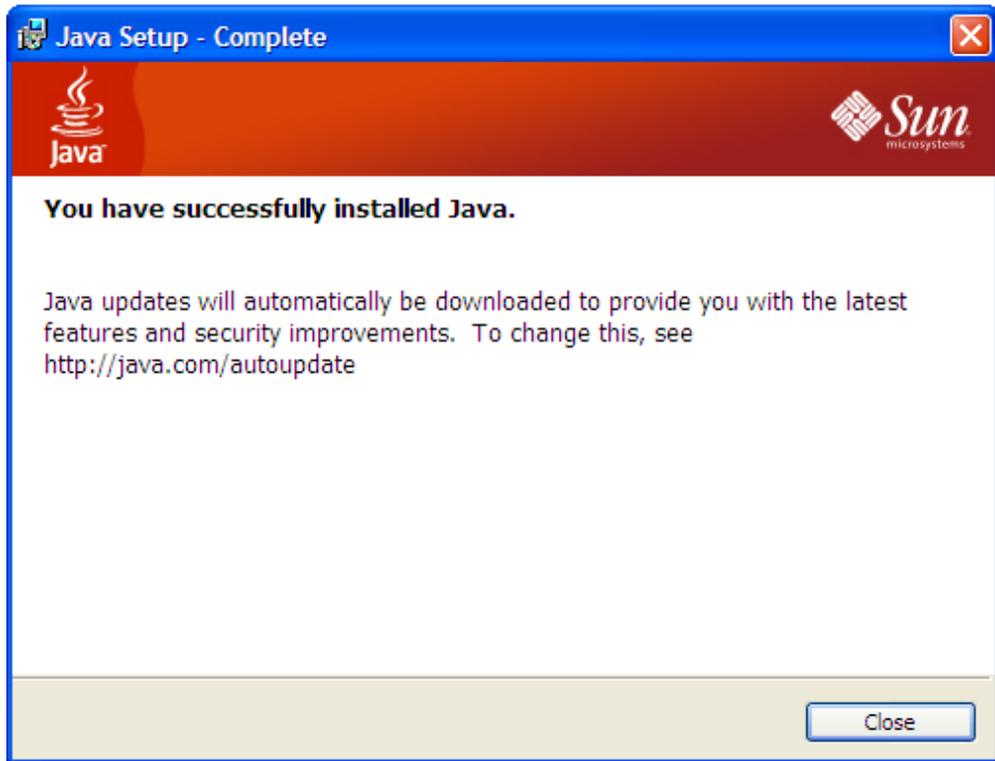
1. Go to <http://java.com>
2. Click **Free Java Downloads**. Dialog box: File Download
3. Click **Save**. Dialog box: Save As
4. Choose the folder location. (Save the file to a known location on your computer, for example, to your desktop).
5. Verify that the:
  - o Name of the file is JavaSetup6u15.exe
6. Close all applications including the browser.
7. Double-click on the saved file icon to start the installation process.

**Note:** Your computer must remain connected to the Internet during the installation.

8. The Java Setup window will appear.
  - o Uncheck "Yes, I want Bing Toolbar for Internet Explorer"
  - o Click **Next**



9. The software installation will execute. When it completes, a Java Setup – Complete box will appear. Click **Close**



#### 10. Disable JVM

- From the Tools menu of the Internet Explorer: Choose Internet Options and click on the Advanced tab
- Ensure "Use JRE
- Uncheck "JIT compiler for virtual machine enabled (requires restart)"

## 1.4 Recommended Web Browser Settings

The web browser settings listed below are recommended to run FMMI.

### 1.4.1 Browser Caching

Browser caching reduces the network load and enhances performance as static content (for example: .css or .js files) do not have to be transferred to the Web browser if they are already available in the browser cache.

To enable browser caching for the Internet Explorer (IE):

1. From the Tools menu of the Internet Explorer: Choose Internet Options, General tab, and click Settings in the Browsing History files frame.
  - a. Under "Check for newer versions of stored pages" in the Settings dialog box, select "Automatically". Do not select "Every visit to page".
  - b. Increase the "Disk space to use" number to 250
  - c. Click OK
2. From the Tools menu of the Internet Explorer: Choose Internet Options, Security tab, and
  - a. Click the Custom Level button.
  - b. In the displayed Security Settings,
    - i. Enable Cookies: Allow per-session cookies (not stored) or Miscellaneous: User data persistence
    - ii. Enable Scripting: Active scripting
    - iii. Enable Scripting: Scripting of Java applets
    - iv. Click OK
3. Return to the Internet Options pop-up and choose the Advanced tab.
  - a. Make sure that for option "Browsing" the setting "Show friendly HTTP error messages" is not selected.
  - b. Click OK to save your settings and to close the Internet Options pop-up.
4. To prevent the cache from being emptied on browser close,
  - a. Select *Tools* → *Internet Options*, Advanced tab
  - b. In the *Security* section uncheck the "*Empty Temporary Internet Files folder when browser is closed*" checkbox, then click *OK*.
5. To allow the cache to be written on disk,
  - a. Select *Tools* → *Internet Options*, Advanced tab
  - b. In the *Security* section uncheck the "*Do not save encrypted pages to disk*" checkbox, then click *OK*.

### 1.4.2 Setting the Browser for Compression

When using the Microsoft Internet Explorer, you must activate the HTTP 1.1 setting in order for portal compression. SAP also recommends using HTTP 1.1 protocol to take full advantage of all Portal functionality.

To set the compression in Microsoft Internet Explorer:

1. From the Tools menu of the Internet Explorer, Choose the *Advanced* tab



2. Scroll to *HTTP 1.1 settings*.
  - a. Enable *Use HTTP 1.1* checkbox is selected.
  - b. Enable *Use HTTP 1.1 through proxy connections* is selected.
3. Click *OK*.

### 1.4.3 Configure Trusted Sites

Navigate to Internet Explorer → Tools → Internet Options → Security → Trusted Sites → Sites.

1. Add *portalbi.fmmi.usda.gov* to your trusted site list.
2. Add *portal.fmmi.usda.gov* to your trusted list
3. Add <https://pws.sc.egov.usda.gov> to your trusted list

Navigate to Internet Explorer → Tools → Internet Options → Security → Trusted Sites → Custom Level → Automatic Prompting for File Downloads. Enable this property so that it will allow automatic download only for trusted sites

### 1.4.4 Configure Pop-up Blocker

Configure the browser to allow the FMMI portal in the pop-up blocker

1. From the browser, navigate to Tools
  - a. Navigate to Pop-up Blocker
  - b. Select Pop-up Blocker Setting
2. In the Pop-up Blocker Settings window,
  - a. enter "fmmi.usda.gov" in "Address of websites to allow"
  - b. Click Add
  - c. Click Close

## 1.5 Section 508 Configuration

Some users may require screen reader extension to perform their duties. To support screen readers, the SAPGUI software must be installed on the users desktop and configured to integrate with the screen reader software.

### 1.5.1 Install SAPGUI for Windows

To obtain a copy of SAPGUI and installation instructions, please contact the FMMI Help Desk.

### 1.5.2 Install Screen Reader Software

To obtain a copy of Screen Reader software and installation instructions, please contact the FMMI Help Desk.

### 1.5.3 Configure SAPGUI for Windows

To configure SAPGUI:

1. Navigate to *All Programs → Control Panel → SAP Configuration*
2. On the *Design Selection* tab:
  - a. Disable *Use New Visual Design*
  - b. Disable *Notify when a script attaches to a Running SAPGUI*
  - c. Enable *Use Accessibility Mode*
  - d. Click *Apply* followed by *Ok*
3. Login to SAPGUI for Windows, click on *Customize Local Layout (Alt +F12)* from the top right of the screen and select *Options*
4. On the *Accessibility* tab:
  - a. Verify that the *Accessibility Mode Status* is set to *enabled*. If not restart your workstation
  - b. Verify that the following options are selected:



- i. *Include Disabled Elements in Tab Chain*
    - ii. *Display List Symbols as Letters*
  5. On the *Options* tab:
    - a. Verify that the following options are selected:
      - i. *Beep at Message*
      - ii. *Dialog Box at Success Message*
      - iii. *Dialog Box at Warning Message*
      - iv. *Dialog Box at Error Message*
  6. On the *Cursor* tab:
    - a. Verify that *Select Text in Edit Field in Insert Mode* is disabled
  7. Click *Apply* followed by *OK*
  8. Click on *Help* from the top menu
  9. Click on *Settings*
  10. On the *F1 Help* tab:
    - a. Select *in Modal Dialog Box*
  11. On the *F4 Help* tab:
    - a. Select *Dialog (modal)*
  12. Click on the green checkmark followed by *Ok*