CALifornia Automated Travel Expense Reimbursement System
Global
Java Web Start
# Review Record

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1 Introduction

1.1 Purpose

This document serves as a guide to help users launch CalATERS Global via any web browser that does not support Netscape Plugin Application Programming Interface (NPAPI) plugins, which are used to launch the CalATERS Global Java applet.

1.2 Background

The current implementation of CalATERS Global utilizes NPAPI as a mechanism to launch the CalATERS Global Java Applet. NPAPI is a legacy Application Programming Interface (API) that first appeared in Netscape browsers to allow for a richer web experience. Due to the advancement of web technologies in HTML, CSS, and JavaScript many of the capabilities of NPAPI can now be replicated in a sandboxed web browser instead of running arbitrary code with user level permissions on the desktop. Many of the modern web browsers such as Google Chrome, Mozilla Firefox, and Microsoft Edge have removed or will be removing support for NPAPI. After the modern browsers remove NPAPI support only Microsoft Internet Explorer (IE) 11 will be compatible with CalATERS Global.

CalATERS Global is now using Java Web Start to launch the Java Applet outside of a web browser as a standalone desktop application. Please note: At this time, Microsoft has no plans to remove their version of NPAPI support, ActiveX, for IE11 for the foreseeable future.

Java Web Start has been included in the Java Runtime Environment (JRE) since version 5.0, so no new installation is required if a computer already has JRE installed that is above version 5.0.

1.3 Definitions, Acronyms, and Abbreviations

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<tr>
<th>Term/Abbreviation</th>
<th>Definition</th>
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<td>API</td>
<td>Application Programming Interface</td>
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<td>IE</td>
<td>Internet Explorer</td>
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<td>JRE</td>
<td>Java Runtime Environment</td>
</tr>
<tr>
<td>NPAPI</td>
<td>Netscape Plugin Application Programming Interface</td>
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2 CalATERS Global Login

2.1 Internet Explorer 11

- The browser will download a file “gersExc.jnlp” and display an option box. Select “Open” (Figure 1):

![Figure 1](image1)

- If the installed Java is not the most updated version, Internet Explorer will display a warning. Select “Allow” (Figure 2):

![Figure 2](image2)

2.2 Mozilla Firefox

- The browser will download a file “gersExc.jnlp” and display a box asking “What should Firefox do with this file?” Select “Open with” Java™ Webstart Launcher” if it’s not already selected, then click “OK” (Figure 3)
2.3 Google Chrome

- The browser will attempt to download the “gersExc.jnlp” file and display a warning. Select “Keep” (Figure 4)

- After the file is downloaded it will be displayed at the bottom of the browser as a downloaded file. Click on the “gersExc.jnlp” file to open it (Figure 5):

2.4 Desktop Shortcut

After the CalATERS Application is launched for the first time, a shortcut will be placed on the user’s desktop as the CalATERS Global Logo (Figure 6) with the title: “Expense Report Solutions-CalATERS”. This shortcut can be used in the future to launch the CalATERS application directly from the desktop without using a browser.
3 CalATERS Global Administration Login

3.1 Internet Explorer 11

- The browser will download a file “gersCfg.jnlp” and display an option box. Select “Open” (Figure 7):

![Figure 7]

- If the installed Java is not the most updated version, Internet Explorer will display a warning. Select “Allow” (Figure 8):

![Figure 8]
3.2 Mozilla Firefox

- The browser will download a file “gersCfg.jnlp” and display a box asking “What should Firefox do with this file?” Select “Open with” Java™ Webstart Launcher if it’s not already selected, then click “OK” (Figure 9).

![Opening gersCfg.jnlp](image)

*Figure 9*

3.3 Google Chrome

- The browser will attempt to download the “gersExec.jnlp” file and display a warning. Select “Keep” (Figure 10).

![Warning message](image)

*Figure 10*

- After the file is downloaded it will be displayed at the bottom of the browser as a downloaded file. Click on the “gersCfg.jnlp” file to open it (Figure 11):

![gersCfg.jnlp file](image)

*Figure 11*