

# Replacing JInitiator with Sun JRE in 11i

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# Agenda

- Why do we care
- Prerequisites
- Installation and Configuration
- But What About
  - Discoverer 4i
  - Cloning
  - Linux
- Questions



# Why Do We Care

- Desupport for JInitiator has been announced
  - Should be off JInitiator prior to July 31, 2009
  - Desupport Notice: Metalink Note 552692.1
- JInitiator has known problems with Sun Java2 Standard Edition
- Desktop support with multiple JVMs is complicated
- You may want to use Linux as a client (not certified by Oracle)



# Why do we care

- Current statement from Oracle (Metalink Notes 290807.1 and 393931.1)
  - Oracle has certified the Oracle E-Business Suite with the minimum Sun JRE releases noted above on the JRE 1.6 and JRE 1.5 streams. Oracle E-Business Suite end-users may use or upgrade to later production releases of the Sun JRE plug-in on either stream at their discretion.
  - Oracle will continue to test and certify the Oracle E-Business Suite with selected future versions of Sun JRE releases in advance of their general availability to the public. Oracle will update this documentation with known compatibility issues or workarounds as needed. All current JRE production versions equal to or later than the minimum versions stated above are compatible with Oracle E-Business Suite 11i/12.



# Caveat

- This presentation is focused on 11i. Oracle has documented the process for upgrading the JRE client for Release 12 in note 393931.1.

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# Prerequisites

- Must be Autoconfig enabled
- Must be on Developer 6i Patchset 18 or higher
  - F60gen help=y | head -2
    - Forms 6.0 (Form Compiler) Version 6.0.8.27.0 (Production)
- If your client is running Windows Vista
  - EBS 11.5.9 CU2 with ATG RUP4
  - EBS 11.5.10 CU with ATG RUP 4
- XP SP2 or Windows 2000
  - EBS 11.5.9 or higher



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# Prerequisites

Browser Version	Windows Vista	Windows XP SP2	Windows 2000
Internet Explorer 7	JRE 1.6.0_03 or later	JRE 1.6.0_03 or later	Not Certified
	JRE 1.5.0_12 or later	JRE 1.5.0_12 or later	
Internet Explorer 6	Not Certified	JRE 1.6.0_03 or later	JRE 1.6.0_03 or later
		JRE 1.5.0_12 or later	JRE 1.5.0_12 or later
Firefox 2.0.x	Not Certified	JRE 1.6.0_03 or later	Not Certified
		JRE 1.5.0_12 or later	
Firefox 1.5.x	Not Certified	JRE 1.5.0_12 or later	Not Certified



# Prerequisites

- Make sure you know the current prerequisites before starting:
  - Metalink Note 290807.1, **Deploying Sun JRE (Native Plug-in) for Windows Clients in Oracle E-Business Suite 11i**
  - Metalink Note 125767.1, **Upgrading Developer 6i with Oracle Applications 11i**





# Patching Developer 6i

- Current Patch Level (and minimum for using JRE) is 18
  - Patch 4948577
    - Forms 6.0.8.27.x
    - Reports 6.0.8.27.x
    - Graphics 6.0.8.17.x
  - Apps Interoperability Patch 4888294
  - Platform Specific Patches

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# Linux

- 5713544
- 4261542
- 5216496
- 5753922
- 6195758
- 5938515
- Plus two extra interoperability patches
  - 3830807
  - 4586086



# Patching, etc.

- We are not going through the Dev 6i patch process.
- When downloading, see if you can use VNC or some other tool so that you can download directly to the host.



# Installation and Configuration

- Common Interoperability Patch, 6137466
  - txkSetPlugin.sh
- Get Windows Offline Installation version of JRE from Sun
  - <http://java.sun.com/javase/downloads/index.jsp>

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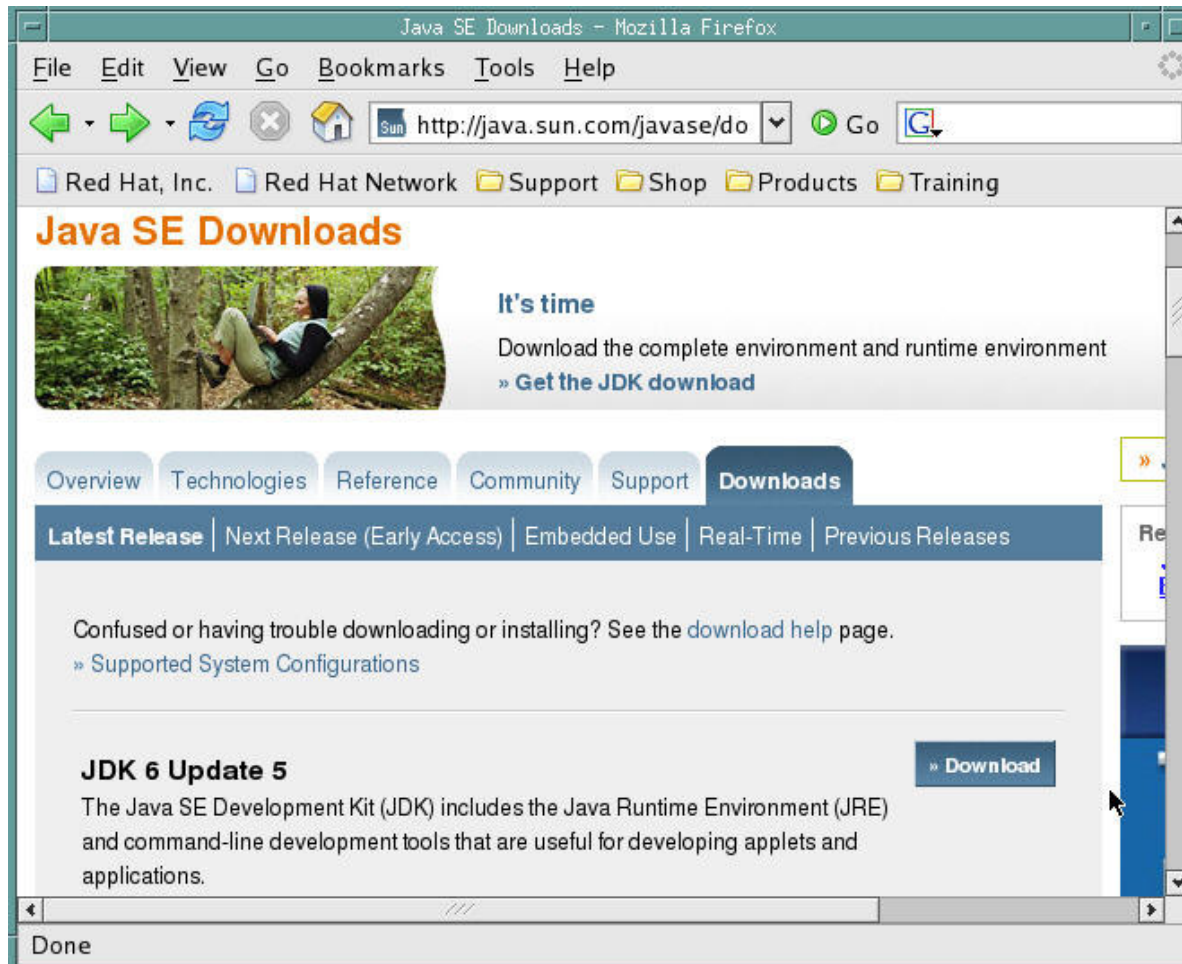
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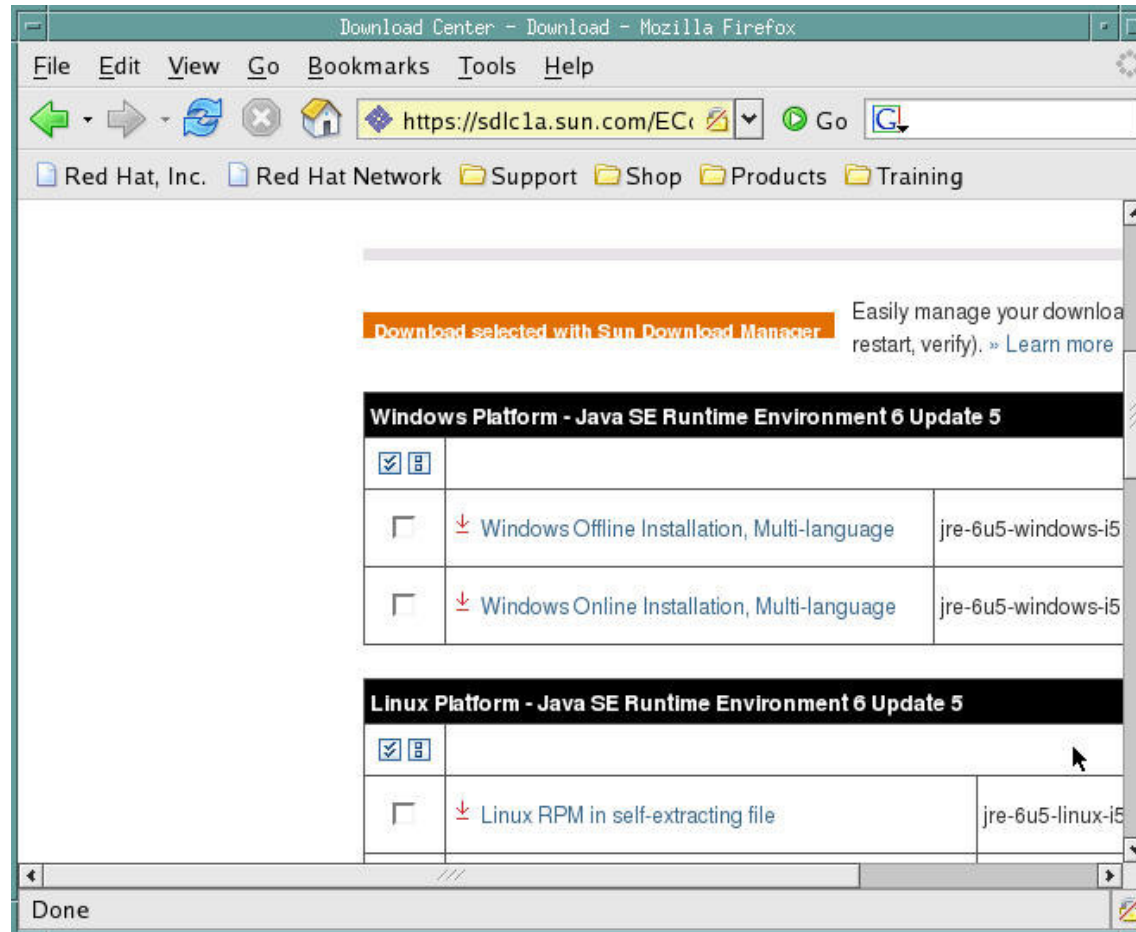
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# Get the JRE



# Get the JRE



# Get the JRE

- Current file is *jre-6u5-windows-i586-p.exe*
- Oracle has a common naming convention for the jre files:
  - *j2se**VERSION**.exe*
  - Current file will need to be named: *j2se1605.exe*
- All plugins are staged in *\$COMMON\_TOP/util/jinitiator*



# Installation and Configuration

- Developer 6i Patchset 18 has a forms focus bug that requires two patches, 6195758 (now part of the Dev 6i patches) and 5884875
- After Developer 6i is fully patched, apply the JRE plugin interoperability patch: 6863618
  - All the normal patching rules apply (maintenance mode, Apache is down, etc.)
  - As of now, this is a one time patch
    - *txkSetPlugin.sh* is now in \$FND\_TOP/bin





# Installation and Configuration

- Telling the EBS to use the JRE
  - **If you are running on windows, read the note for the steps**
  - txkSetPlugin.sh VERSION
    - j2se1605.exe: txkSetPlugin.sh 1605
  - You will need to know the full path to the context file (should be \$APPL\_TOP/admin/\$CONTEXT\_NAME.xml) and the apps password
    - This step will run AutoConfig
  - Repeat for all application tier web server nodes

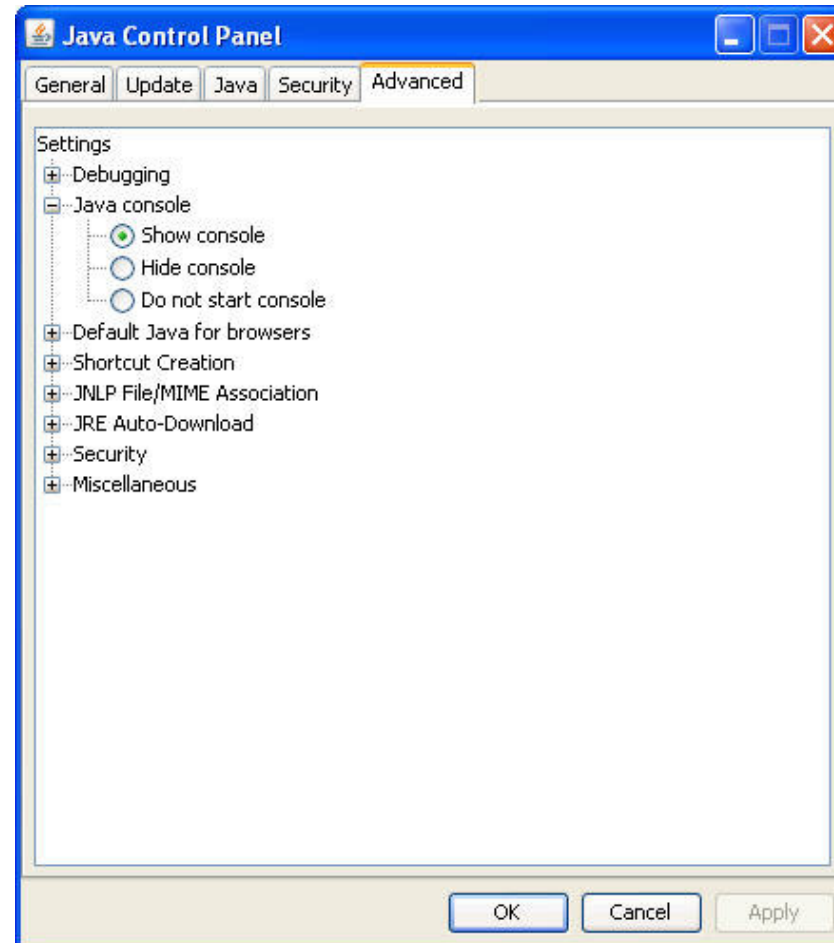


# Installation and Configuration

- Finish by coming out of maintenance mode and restarting the application tier processes
- Verification: turn on the java console

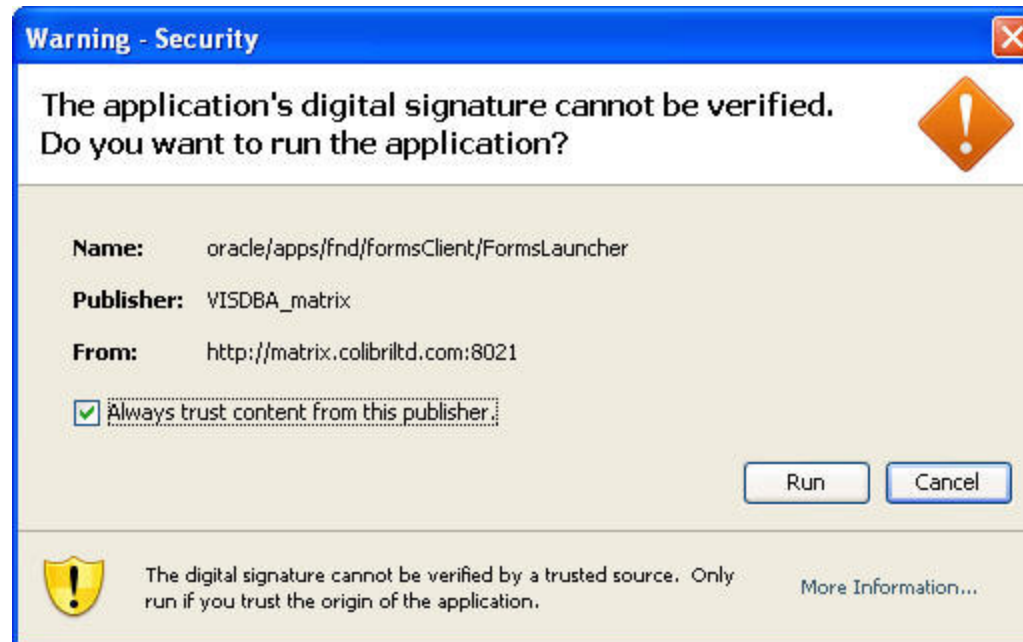


# Installation and Configuration

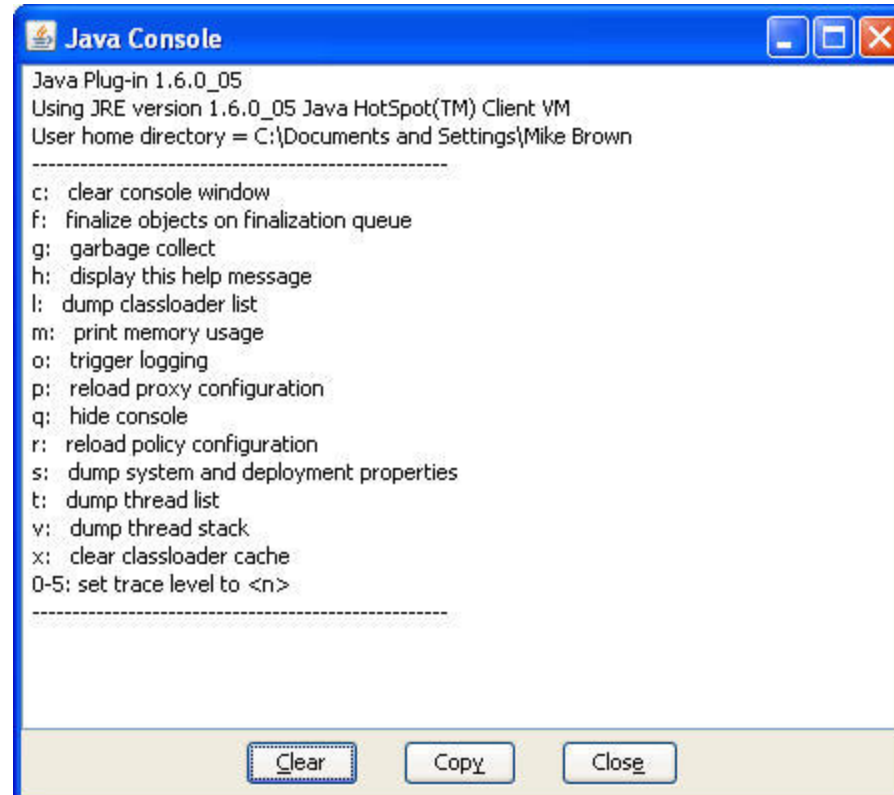


# Installation and Configuration

- New Certificate



# Verification



# Discoverer 4.1

- It is possible to have multiple configurations configured in the profile options.
- Unfortunately, 4.1 is too old to pay attention.
- Solution is to revert to JInitiator
  - txkSetPlugin.sh 13128
    - Reverts to JInitiator 1.3.1.28
  - Use Site level profile to keep forms on the JRE
- To use Discoverer 4.1 and Forms simultaneously, you must use IE



# Configuring Multiple JRE Versions

- Modify the template used by AutoConfig
  - \$FND\_TOP/admin/template/appsweb.cfg
  - [J16005]  
connectMode=socket  
serverPort=9021  
sun\_plugin\_classid=clsid:CAFECAFE-0016-0000-0005-  
ABCDEFABCDEF  
sun\_plugin\_version=1.6.0\_05  
sun\_plugin\_mimetype=application/x-java-applet;jpi-version=1.6.0\_05  
sun\_plugin\_legacy\_lifecycle=false  
plugin=jdk  
;
- Run AutoConfig



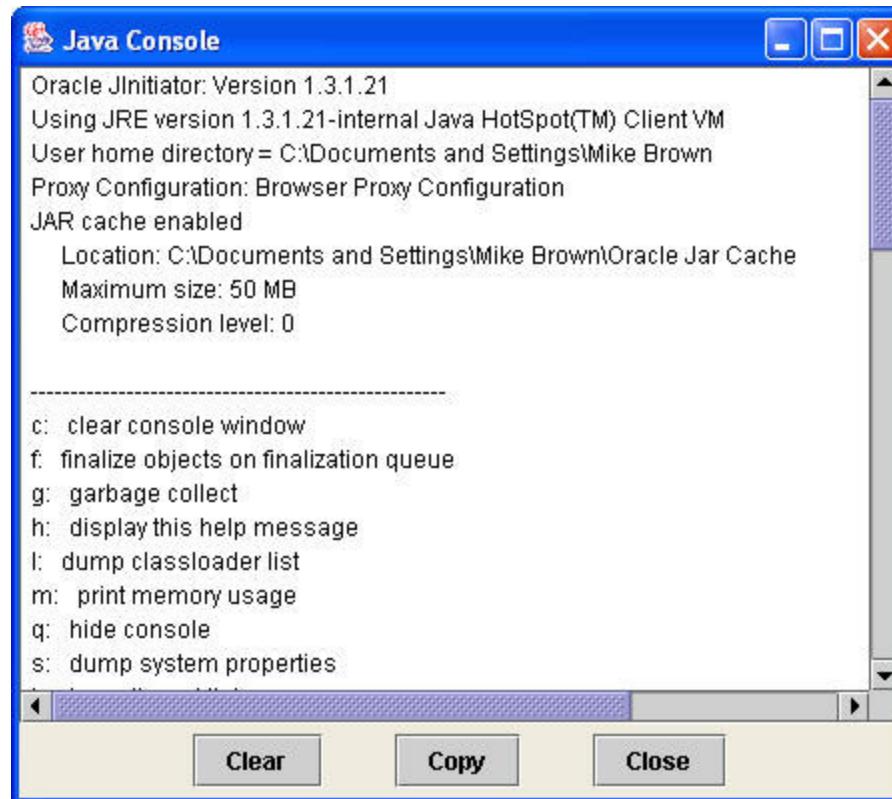
# Changing the forms launcher

- Modify the Profile Option
  - ICX: Forms Launcher
    - It will be something like:  
<http://host.domain.name:8000/devcgi/f60cgi>
    - Add ?config=J16005 so it is now,  
<http://host.domain.name:8000/devcgi/f60cgi?config=J16005>
  - AutoConfig will revert the site level option (and so will cloning)





# Verification for JInitiator



# Cloning

- The default setup will be carried over in the clone.
- If you are using the Site level profile, it will be cleared when the clone is configured.
- If you are using lower level profile options, they are not affected by the clone
  - **THEY STILL POINT TO PRODUCTION**
- The template for appsweb.cfg is also unaffected by the clone



# Linux (Redhat)

- If you installed firefox or mozilla from the RPM, the plugin directory is */usr/lib/mozilla/plugins*
- On the same page you downloaded the windows offline installation for JRE, is the linux RPM.
  - Current version: *jre-6u5-linux-i586-rpm.bin*
  - **Make sure you are using the same version as you downloaded for Windows**



# Linux

- If you have a current symbolic link to a jre, remove it.
- `ln -s`  
`/usr/java/jre1.6.0_05/plugin/i386/ns`  
`7/libjavaplugin_oji.so`  
`/usr/lib/mozilla/plugins/`
- Restart browser, `about:plugins`



# Linux

The screenshot shows the 'About Plug-ins' page in Mozilla Firefox. The browser's address bar shows 'about:plugins'. Below the browser window, the page title is 'Installed plug-ins'. It provides links to 'mozilla.org' and 'plugindoc.mozdev.org' for more information. The main section is titled 'Java(TM) Plug-in 1.6.0\_05-b13' and lists the file name as 'libjavaplugin\_oji.so'. A table below lists the installed MIME types and their descriptions.

MIME Type	Description	Suffixes	Enabled
application/x-java-vm	Java		Yes
application/x-java-applet	Java		Yes
application/x-java-applet;version=1.1	Java		Yes
application/x-java-applet;version=1.1.1	Java		Yes
application/x-java-applet;version=1.1.2	Java		Yes
application/x-java-applet;version=1.1.3	Java		Yes



# Questions

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