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# JSS Events Reference

JAMF Software, LLC

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# About The JSS Events API

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The JSS Events API allows the ability to create custom code that can interface with the JSS. It will notify you when events occur and allow you to take actions on those events.

## JSS Events API

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### JSS Events

The following enum represents actions that can be taken on objects in the JSS.

#### **Abstract Class *com.jamfsoftware.eventnotifications.events.EventType.java***

An abstract class for which all of the available events that a JAMFEventNotification can subscribe to extend. The classes that extend this class are:

- *JSSStartup.java*
- *JSSShutdown.java*
- *MobileDeviceEnrolled.java*
- *MobileDeviceUnEnrolled.java*
- *MobileDevicePushSent.java*
- *MobileDeviceCheckIn.java*
- *MobileDeviceCommandCompleted.java*
- *APNSFeedbackReceived.java*
- *ComputerAdded.java*
- *ComputerCheckIn.java*
- *ComputerInventoryCompleted.java*
- *ComputerPolicyFinished.java*
- *SCEPChallengeRequested.java*
- *SmartGroupComputerMembershipChange.java*
- *SmartGroupMobileDeviceMembershipChange.java*
- *RestAPIOperation.java*

Each class implements the specifics of it's own event. For example, a "*MobileDeviceCommandCompleted*" event contains the type of event (Inventory, Installed Profile, etc), the status of the command and any other information necessary to take action on that event. These methods are not outlined in this document. Please see the JavaDocs included for the details.

Method	Parameters	Return
<i>getEventObject</i>	<i>None</i>	<i>JAMFEventObject</i> - The object the this action was taken on.
<i>getIdentifier</i>	<i>None</i>	<i>EventTypeIdentifier</i> - The identifier of the action

Method	Parameters	Return
<i>isResponseRespected</i>	<i>None</i>	<i>boolean</i> - A boolean representing if the JSS will perform any action on responses from the method "eventOccurred" with this type. If this return is false it is safe to return NULL from "eventOccurred".

**Enum *com.jamfsoftware.eventnotifications.events.EventType.java.EventTypeIdentifier***

An enum used to easily identify JSS actions. These will be passed to the "isRegisteredForEvent" method for you to decide if you want to take action on an event.

## JSS Events Notifications

The following classes are the mechanisms by which the JSS will notify you of events.

**Interface *com.jamfsoftware.eventnotifications.JAMFEventNotificationMonitor.java***

Your custom jar must contain at least one class implementing this interface. The class implementing this interface will be loaded by the JSS and will subsequently call the method "eventOccurred" for each action you are subscribed to. You can opt in for notifications by returning true from the "isRegisteredForEvent". Subsequently returning false will stop notification from being passed for that particular type.

Method	Parameters	Return
<i>eventOccurred</i>	<i>JAMFEventNotificationParameter</i> - This object contains information about what event occurred, what object it occurred on along with any additional information.	<i>JAMFEventNotificationMonitorResponse</i> - An wrapper containing a return code (optional), an Exception (optional), and a generic Object (optional). The JSS will interpret and take action on this response on event by event basis.
<i>isRegisteredForEvent</i>	<i>EventTypeIdentifier</i> - The EventType the JSS would like to notify you about.	<i>boolean</i> - Return true if you would like notifications for the given EventTypeIdentifier parameter. Return false if you would not like the JSS to notify you. This method will be called each time a notification becomes available.

**Class *com.jamfsoftware.eventnotifications.JAMFEventNotificationMonitorResponse.java***

The JAMFEventNotificationMonitorResponse class wraps objects you may want to return to the JSS after the JSS has notified you that an event has taken place. The JSS will decide the action it takes based on what you return and on the EventType. For events that are only notification then no action will be taken on your return.

Method	Parameters	Return
<i>getException</i>	<i>None</i>	<i>Exception</i> - The exception wrapped in this response. A NULL exception signifies there was no exception.

Method	Parameters	Return
<i>setException</i>	<i>Exception</i> - The exception you would like to return to the JSS. NULL signifies there was no exception.	<i>None</i>
<i>getReturnCode</i>	<i>None</i>	<i>Integer</i> - The return code wrapped in this response. A return code of 0 signifies success.
<i>setReturnCode</i>	<i>Integer</i> - The return code you would like to return to the JSS. 0 signifies success.	
<i>getObject</i>	<i>None</i>	<i>Object</i> - A generic object wrapper in this response. The type of object the JSS expects will vary on the event.
<i>JAMFEventNotificationMonitorResponse</i>	<i>JAMFEventNotificationMonitor</i> - The monitor that created the response	<i>Constructor</i>
<i>getMonitor</i>	<i>None</i>	<i>JAMFEventNotificationMonitor</i> - The monitor that created the response.

**Interface *com.jamfsoftware.eventnotifications.JAMFEventNotificationParameter.java***

The *JAMFEventNotificationParameter* will be passed to your *JAMFEventNotificationMonitor* via the “*eventOccurred*” method. It will contain information necessary for you to take action on that event.

Method	Parameters	Return
<i>getEventType</i>	<i>None</i>	<i>EventType</i> - The event that has just occurred in the JSS.
<i>getEventObject</i>	<i>None</i>	<i>JAMFEventObject</i> - The object for which the event has occurred on.
<i>getInfoMap</i>	<i>None</i>	<i>HashMap&lt;Object, Object&gt;</i> - A map of any addition information.

**Enum *com.jamfsoftware.eventnotifications.JAMFEventNotificationParameter.java.InfoMapKeys***

An enumeration of common objects that may be stored in the “*getInfoMap*” hashmap.

## JSS Event Objects

The following interfaces represent JSS objects on which actions are taken.

### ***Interface com.jamfsoftware.eventnotifications.eventobjects.JAMFEventObject.java***

A generic interface for which all other event objects extend. This class has no required methods.

### ***Interface com.jamfsoftware.eventnotifications.eventobjects.ComputerEventObject.java***

A JAMFEventObject representing a JSS Computer object. All String returns are UTF-8 encoded.

Method	Parameters	Return
<i>getUdid</i>	<i>None</i>	<i>String</i> - The UDID of the computer.
<i>getDeviceName</i>	<i>None</i>	<i>String</i> - The name of the computer.
<i>getModel</i>	<i>None</i>	<i>String</i> - The model of the computer.
<i>getMacAddress</i>	<i>None</i>	<i>String</i> - The primary mac address of the computer.
<i>getAlternateMacAddress</i>	<i>None</i>	<i>String</i> - The alternate mac address of the computer.
<i>getSerialNumber</i>	<i>None</i>	<i>String</i> - The serial number of the computer.
<i>getOsVersion</i>	<i>None</i>	<i>String</i> - The version of the operating system running on the computer.
<i>getUserDirectoryID</i>	<i>None</i>	<i>String</i> - The directory ID of the user associated with this computer.
<i>getUsername</i>	<i>None</i>	<i>String</i> - The username of the user associated with this computer.
<i>getRealName</i>	<i>None</i>	<i>String</i> - The real name of the user associated with this computer.
<i>getEmailAddress</i>	<i>None</i>	<i>String</i> - The email address of the user associated with this computer.
<i>getPhone</i>	<i>None</i>	<i>String</i> - The phone number of the user associated with this computer.
<i>getPosition</i>	<i>None</i>	<i>String</i> - The position of the user associated with this computer.
<i>getDepartment</i>	<i>None</i>	<i>String</i> - The department assigned to this computer.
<i>getBuilding</i>	<i>None</i>	<i>String</i> - The building assigned to this computer.
<i>getRoom</i>	<i>None</i>	<i>String</i> - The room assigned to this computer.

Method	Parameters	Return
<i>getOsBuild</i>	<i>None</i>	<i>String</i> - The build of the operating system running on the computer.

**Interface *com.jamfsoftware.eventnotifications.eventobjects.MobileDeviceEventObject.java***

A JAMFEventObject representing a JSS iOS device. All String returns are UTF-8 encoded.

Method	Parameters	Return
<i>getUdid</i>	<i>None</i>	<i>String</i> - The UDID of the device.
<i>getDeviceName</i>	<i>None</i>	<i>String</i> - The name of the device.
<i>getModel</i>	<i>None</i>	<i>String</i> - The model of the device.
<i>getVersion</i>	<i>None</i>	<i>String</i> - The version of the operating system running on the device.
<i>getBluetoothMacAddress</i>	<i>None</i>	<i>String</i> - The bluetooth mac address of the device.
<i>getSerialNumber</i>	<i>None</i>	<i>String</i> - The serial number of the computer.
<i>getOsVersion</i>	<i>None</i>	<i>String</i> - The version of the operating system running on the device.
<i>getUserDirectoryID</i>	<i>None</i>	<i>String</i> - The directory ID of the user associated with this device.
<i>getWifiMacAddress</i>	<i>None</i>	<i>String</i> - The Wifi mac address of the device.
<i>getImei</i>	<i>None</i>	<i>String</i> - The IMEI of this device.
<i>getIccid</i>	<i>None</i>	<i>String</i> - The ICCI ID of this device.
<i>getOSBuild</i>	<i>None</i>	<i>String</i> - The build of the operating system running on this device.
<i>getRoom</i>	<i>None</i>	<i>String</i> - The room assigned to this computer.

**Interface *com.jamfsoftware.eventnotifications.eventobjects.JSSEventObject.java***

A JAMFEventObject representing the JSS. All String returns are UTF-8 encoded.

Method	Parameters	Return
<i>getInstitution</i>	<i>None</i>	<i>String</i> - The institution of the JSS.
<i>getHostAddress</i>	<i>None</i>	<i>String</i> - The host address of the JSS that issued the notification.

**Interface com.jamfsoftware.eventnotifications.eventobjects.GroupEventObject.java**

A JAMFEventObject representing the JSS. All String returns are UTF-8 encoded.

Method	Parameters	Return
<i>getName</i>	<i>None</i>	<i>String</i> - The name of the group.
<i>getJSSID</i>	<i>None</i>	<i>Integer</i> - The JSS ID of the group.
<i>isSmartGroup</i>	<i>None</i>	<i>boolean</i> - If the group is a smart group.

**Interface com.jamfsoftware.eventnotifications.eventobjects.SCEPChallengeRequested.java**

A JAMFEventObject representing a SCEP profile being deployed with a dynamic challenge password. This interface does not contain any methods.

**Interface com.jamfsoftware.eventnotifications.eventobjects.SCEPChallengeResponse.java**

A JAMFEventObject for responding to a SCEPChallengeRequested object.

Method	Parameters	Return
<i>getChallengePassword</i>	<i>None</i>	<i>String</i> - The challenge password to be used

**Interface com.jamfsoftware.eventnotifications.eventobjects.RestAPIEventObject.java**

A JAMFEventObject for responding to a RestAPIOperation event.

Method	Parameters	Return
<i>getObjectName</i>	<i>None</i>	<i>String</i> - The name of the object instance being modified
<i>getObjectTypeName</i>	<i>None</i>	<i>String</i> - The name of the CRUD object type
<i>getAuthorizedUsername</i>	<i>None</i>	<i>String</i> - The username of the account used for login
<i>getRestAPIOperationType</i>	<i>None</i>	<i>RestAPIOperationType</i> (enum) - GET, POST, PUT, DELETE
<i>isOperationSuccessful</i>	<i>None</i>	<i>boolean</i> - true when the operation on the object completed successfully

In addition to the interfaces outlined above there are the following concrete implementations. The JSS will pass instances of these concrete classes to your monitor implementation.

**Class com.jamfsoftware.eventnotifications.shellobjects.GroupEventShell.java**

An implementation of GroupEventObject representing a Device or Computer Group Event. All String returns are UTF-8 encoded.

Method	Parameters	Return
<i>getName</i>	<i>None</i>	<i>String</i> - The name of the group.
<i>getJSSID</i>	<i>None</i>	<i>Integer</i> - The JSS ID of the group.
<i>isSmartGroup</i>	<i>None</i>	<i>boolean</i> - If the group is a smart group.
<i>isComputer</i>	<i>None</i>	<i>boolean</i> - If the group is a computer group.
<i>setName</i>	<i>String</i> - The group name.	<i>None</i>
<i>setJSSID</i>	<i>Integer</i> - The JSS ID of the group.	<i>None</i>
<i>setSmartGroup</i>	<i>boolean</i> - If the group is a smart group.	<i>None</i>
<i>setComputer</i>	<i>boolean</i> - If the group is a computer group.	<i>None</i>
<i>toString</i>	<i>None</i>	<i>String</i> - A String representation of the object.

### **Class *com.jamfsoftware.eventnotifications.shellobjects.JSSEventShell.java***

An implementation of JSSEventObject representing an event in the JSS. All String returns are UTF-8 encoded.

Method	Parameters	Return
<i>getInstitution</i>	<i>None</i>	<i>String</i> - The institution of the JSS.
<i>getHostAddress</i>	<i>None</i>	<i>String</i> - The host address of the JSS that issued the notification.
<i>setInstitution</i>	<i>String</i> - The institution of the JSS.	<i>None</i>
<i>setHostAddress</i>	<i>String</i> - The host address of the JSS that issued the notification.	<i>None</i>
<i>toString</i>	<i>None</i>	<i>String</i> - A string representation of the object.

### **Class *com.jamfsoftware.eventnotifications.shellobjects.MobileDeviceEventShell.java***

An implementation of MobileDeviceEventObject representing a JSS iOS device event. All String returns are UTF-8 encoded.

Method	Parameters	Return
<i>getUdid</i>	<i>None</i>	<i>String</i> - The UDID of the device.
<i>getDeviceName</i>	<i>None</i>	<i>String</i> - The name of the device.
<i>getModel</i>	<i>None</i>	<i>String</i> - The model of the device.

<b>Method</b>	<b>Parameters</b>	<b>Return</b>
<i>getVersion</i>	<i>None</i>	<i>String</i> - The version of the operating system running on the device.
<i>getBluetoothMacAddress</i>	<i>None</i>	<i>String</i> - The bluetooth mac address of the device.
<i>getSerialNumber</i>	<i>None</i>	<i>String</i> - The serial number of the computer.
<i>getOsVersion</i>	<i>None</i>	<i>String</i> - The version of the operating system running on the device.
<i>getUserDirectoryID</i>	<i>None</i>	<i>String</i> - The directory ID of the user associated with this device.
<i>getWifiMacAddress</i>	<i>None</i>	<i>String</i> - The Wifi mac address of the device.
<i>getImei</i>	<i>None</i>	<i>String</i> - The IMEI of this device.
<i>getIccid</i>	<i>None</i>	<i>String</i> - The ICCI ID of this device.
<i>getOSBuild</i>	<i>None</i>	<i>String</i> - The build of the operating system running on this device.
<i>getRoom</i>	<i>None</i>	<i>String</i> - The room assigned to this computer.
<i>getJssID</i>	<i>None</i>	<i>Int</i> - The mobile device ID in the JSS
<i>setUdid</i>	<i>String</i> - The UDID of the device.	<i>None</i>
<i>setDeviceName</i>	<i>String</i> - The name of the device.	<i>None</i>
<i>setModel</i>	<i>String</i> - The model of the device.	<i>None</i>
<i>setVersion</i>	<i>String</i> - The version of the operating system running on the device.	<i>None</i>
<i>setBluetoothMacAddress</i>	<i>String</i> - The bluetooth mac address of the device.	<i>None</i>
<i>setSerialNumber</i>	<i>String</i> - The serial number of the computer.	<i>None</i>
<i>setOsVersion</i>	<i>String</i> - The version of the operating system running on the device.	<i>None</i>
<i>setUserDirectoryID</i>	<i>String</i> - The directory ID of the user associated with this device.	<i>None</i>
<i>setWifiMacAddress</i>	<i>String</i> - The Wifi mac address of the device.	<i>None</i>

Method	Parameters	Return
<i>setImei</i>	<i>String</i> - The IMEI of this device.	<i>None</i>
<i>setIccid</i>	<i>String</i> - The ICCI ID of this device.	<i>None</i>
<i>setOSBuild</i>	<i>String</i> - The build of the operating system running on this device.	<i>None</i>
<i>setRoom</i>	<i>String</i> - The room assigned to this computer.	<i>None</i>
<i>setJssID</i>	<i>Int</i> - The mobile device ID in the JSS	<i>None</i>
<i>toString</i>	<i>None</i>	<i>String</i> - A string representation of the object.

**Class *com.jamfsoftware.eventnotifications.shellobjects.ComputerEventShell.java***

An implementation of ComputerEventObject representing a JSS Computer event. All String returns are UTF-8 encoded.

Method	Parameters	Return
<i>getUdid</i>	<i>None</i>	<i>String</i> - The UDID of the computer.
<i>getDeviceName</i>	<i>None</i>	<i>String</i> - The name of the computer.
<i>getModel</i>	<i>None</i>	<i>String</i> - The model of the computer.
<i>getMacAddress</i>	<i>None</i>	<i>String</i> - The primary mac address of the computer.
<i>getAlternateMacAddress</i>	<i>None</i>	<i>String</i> - The alternate mac address of the computer.
<i>getSerialNumber</i>	<i>None</i>	<i>String</i> - The serial number of the computer.
<i>getOsVersion</i>	<i>None</i>	<i>String</i> - The version of the operating system running on the computer.
<i>getUserDirectoryID</i>	<i>None</i>	<i>String</i> - The directory ID of the user associated with this computer.
<i>getUsername</i>	<i>None</i>	<i>String</i> - The username of the user associated with this computer.
<i>getRealName</i>	<i>None</i>	<i>String</i> - The real name of the user associated with this computer.
<i>getEmailAdress</i>	<i>None</i>	<i>String</i> - The email address of the user associated with this computer.

<b>Method</b>	<b>Parameters</b>	<b>Return</b>
<i>getPhone</i>	<i>None</i>	<i>String</i> - The phone number of the user associated with this computer.
<i>getPosition</i>	<i>None</i>	<i>String</i> - The position of the user associated with this computer.
<i>getDepartment</i>	<i>None</i>	<i>String</i> - The department assigned to this computer.
<i>getBuilding</i>	<i>None</i>	<i>String</i> - The building assigned to this computer.
<i>getRoom</i>	<i>None</i>	<i>String</i> - The room assigned to this computer.
<i>getOsBuild</i>	<i>None</i>	<i>String</i> - The build of the operating system running on the computer.
<i>getJssID</i>	<i>None</i>	<i>Int</i> - The computer ID in the JSS
<i>setUdid</i>	<i>String</i> - The UDID of the computer.	<i>None</i>
<i>setDeviceName</i>	<i>String</i> - The name of the computer.	<i>None</i>
<i>setModel</i>	<i>String</i> - The model of the computer.	<i>None</i>
<i>setMacAddress</i>	<i>String</i> - The primary mac address of the computer.	<i>None</i>
<i>setAlternateMacAddress</i>	<i>String</i> - The alternate mac address of the computer.	<i>None</i>
<i>setSerialNumber</i>	<i>String</i> - The serial number of the computer.	<i>None</i>
<i>setOsVersion</i>	<i>String</i> - The version of the operating system running on the computer.	<i>None</i>
<i>setUserDirectoryID</i>	<i>String</i> - The directory ID of the user associated with this computer.	<i>None</i>
<i>setUsername</i>	<i>String</i> - The username of the user associated with this computer.	<i>None</i>
<i>setRealName</i>	<i>String</i> - The real name of the user associated with this computer.	<i>None</i>
<i>setEmailAddress</i>	<i>String</i> - The email address of the user associated with this computer.	<i>None</i>
<i>setPhone</i>	<i>String</i> - The phone number of the user associated with this computer.	<i>None</i>
<i>setPosition</i>	<i>String</i> - The position of the user associated with this computer.	<i>None</i>

Method	Parameters	Return
<i>setDepartment</i>	<i>String</i> - The department assigned to this computer.	<i>None</i>
<i>setBuilding</i>	<i>String</i> - The building assigned to this computer.	<i>None</i>
<i>setRoom</i>	<i>String</i> - The room assigned to this computer.	<i>None</i>
<i>setOsBuild</i>	<i>String</i> - The build of the operating system running on the computer.	<i>None</i>
<i>setJssID</i>	<i>Int</i> - The computer ID in the JSS	<i>None</i>
<i>toString</i>	<i>None</i>	<i>String</i> - A string representation of the object.

**Class *com.jamfsoftware.eventnotifications.shellobjects.SCEPChallengeRequestShell.java***

An implementation of JSSEventObject representing a SCEP profile being deployed with a dynamic challenge password.

Method	Parameters	Return
<i>getTargetDevice</i>	<i>None</i>	<i>JAMFEventObject</i> - The JSS object that this SCEP profile will be deployed to.

**Class *com.jamfsoftware.eventnotifications.shellobjects.SCEPChallengeResponseShell.java***

An implementation of JSSEventObject for responding to a SCEPChallengeRequested object.

Method	Parameters	Return
<i>getChallengePassword</i>	<i>None</i>	<i>String</i> - Returns the challenge password of this object.
<i>setChallengePassword</i>	<i>String</i> - The challenge password for this object.	<i>None</i>

**Class *com.jamfsoftware.eventnotifications.shellobjects.RestAPIOperationEventShelljava***

An implementation of JSSEventObject for responding to a RestAPIOperation event.

Method	Parameters	Return
<i>getObjectName</i>	<i>None</i>	<i>String</i> - The name of the object instance being modified
<i>getObjectTypeName</i>	<i>None</i>	<i>String</i> - The name of the CRUD object type
<i>getAuthorizedUsername</i>	<i>None</i>	<i>String</i> - The username of the account used for login

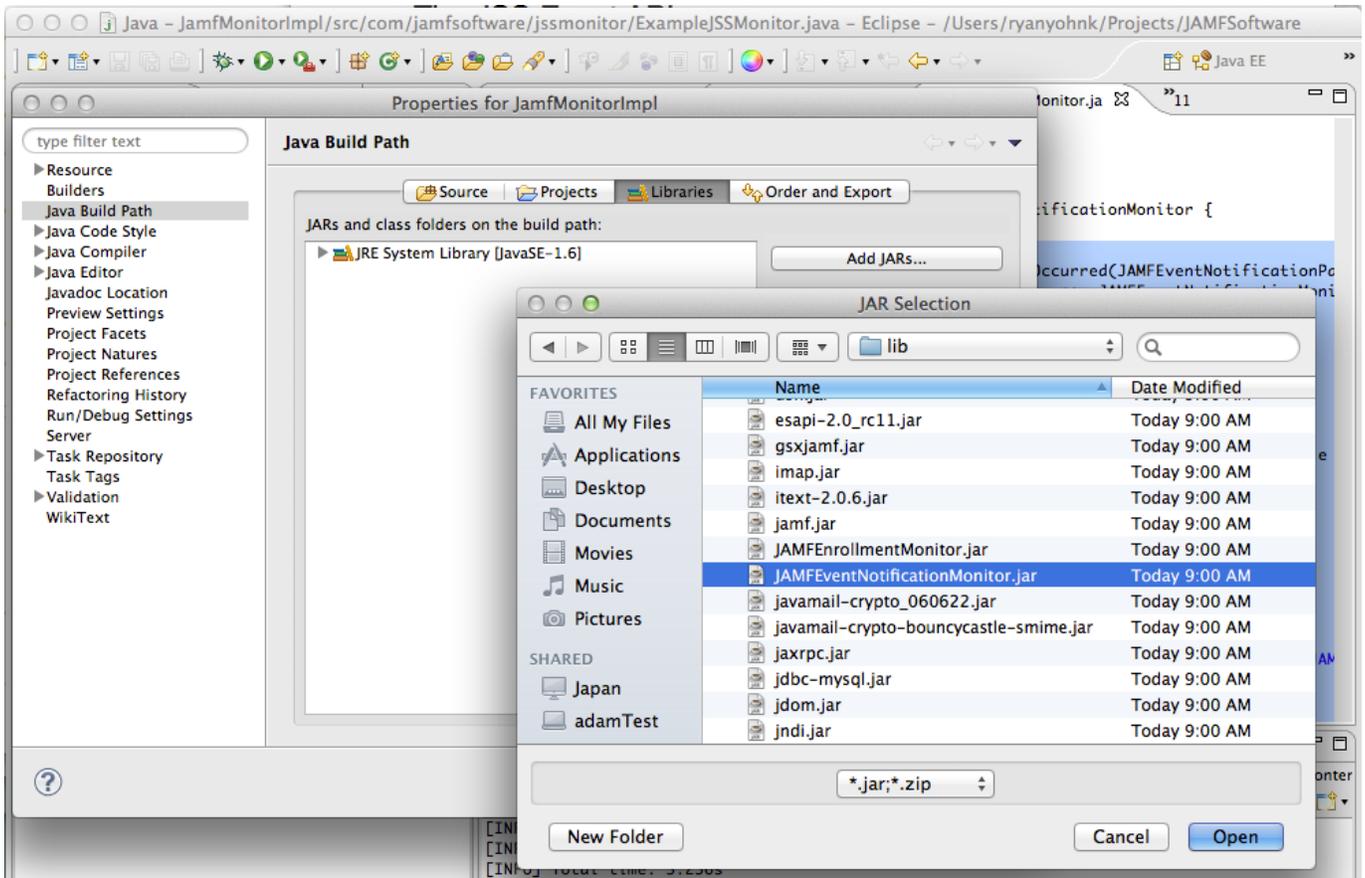
Method	Parameters	Return
<i>getRestAPIOperationType</i>	<i>None</i>	<i>RestAPIOperationType (enum) - GET, POST, PUT, DELETE</i>
<i>isOperationSuccessful</i>	<i>None</i>	<i>boolean - true when the operation on the object completed successfully</i>
<i>setObjectName</i>	<i>String - The name of the object instance being modified</i>	<i>None</i>
<i>setObjectTypeName</i>	<i>String - The name of the CRUD object type</i>	<i>None</i>
<i>setAuthorizedUsername</i>	<i>String - The username of the account used for login</i>	<i>None</i>
<i>setRestAPIOperationType</i>	<i>RestAPIOperationType (enum) - GET, POST, PUT, DELETE</i>	<i>None</i>
<i>setOperationSuccessful</i>	<i>boolean - true when the operation on the object completed successfully</i>	<i>None</i>

## Sample Monitor

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### Add *JAMFEventNotificationMonitor.jar* to your classpath

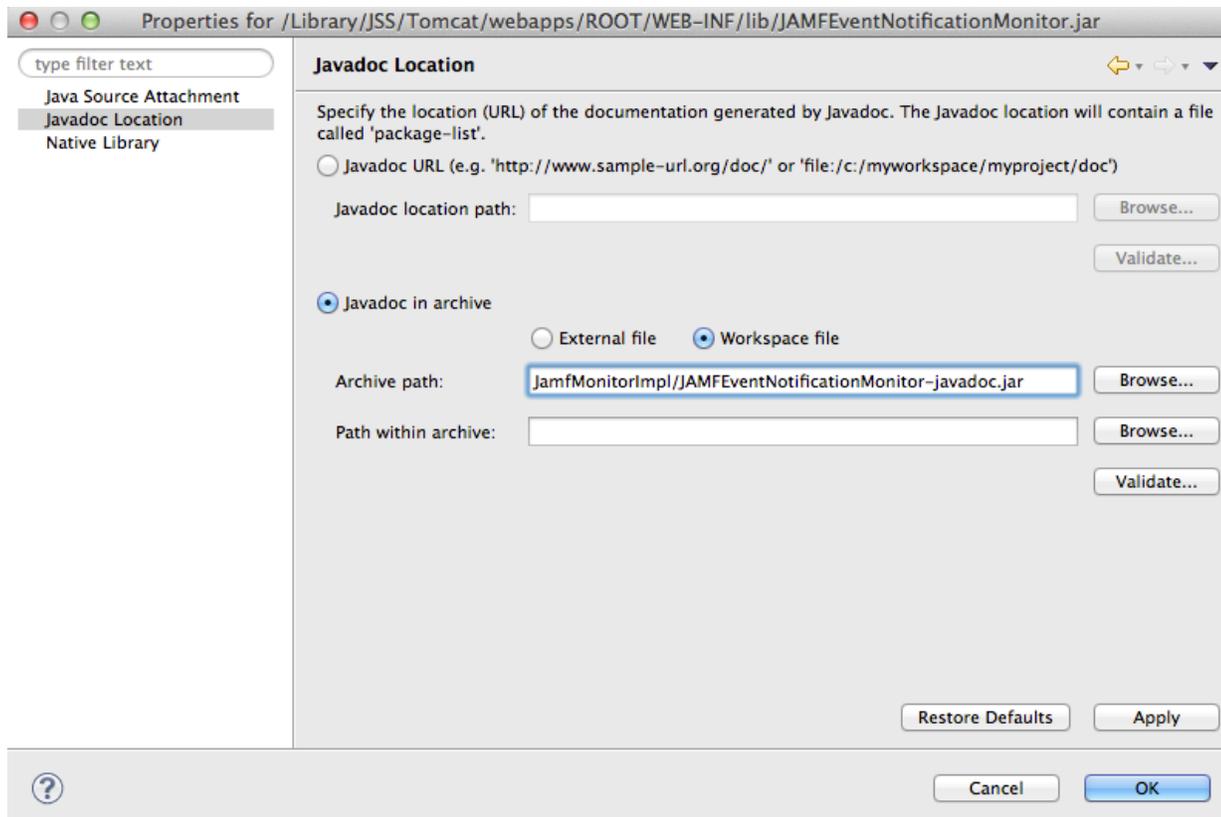
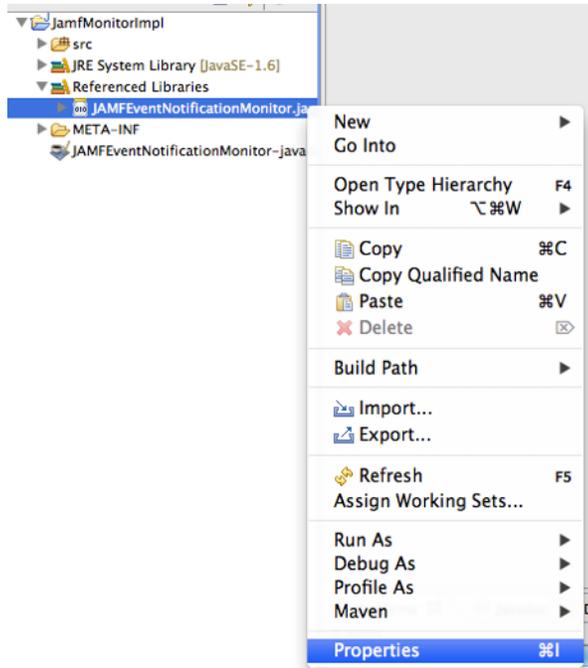
The first step in creating a custom JSS event monitor is to add the *JAMFEventNotificationMonitor.jar* to your classpath. This is located in `$WEB_APP_LOCATION/WEB-INF/lib`.



With that jar added you will have access to the API.

## Add JavaDocs

If you would like JavaDoc access, you will also have to copy the *JAMFEventNotificationMonitor-javadoc.jar* into your project. After it has been copied into your project you will need to set the JavaDoc path of the *JAMFEventNotificationMonitor.jar* to the *JAMFEventNotificationMonitor-javadoc.jar*.



## Develop Your Code

Code example to log all events from the JSS:

```
@Override
public JAMFEventNotificationMonitorResponse eventOccurred(JAMFEventNotificationParameter param) {
    JAMFEventNotificationMonitorResponse response = new JAMFEventNotificationMonitorResponse(this);

    performAction(param.getEventType(), param.getInfoMap());

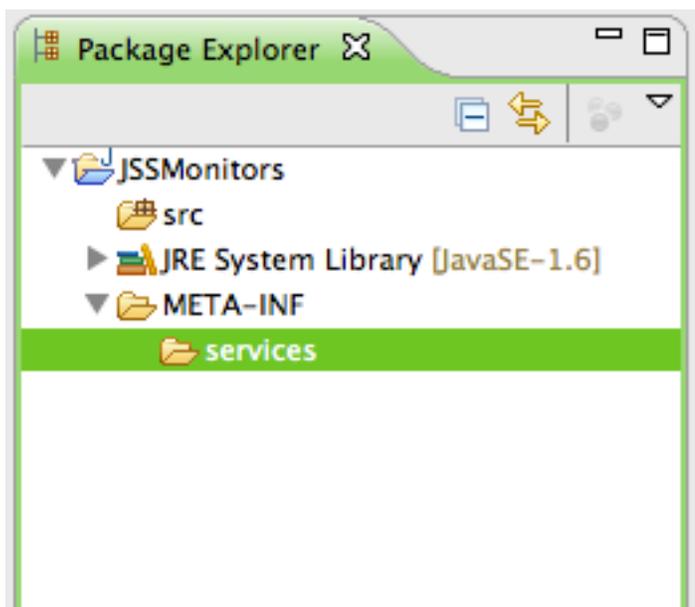
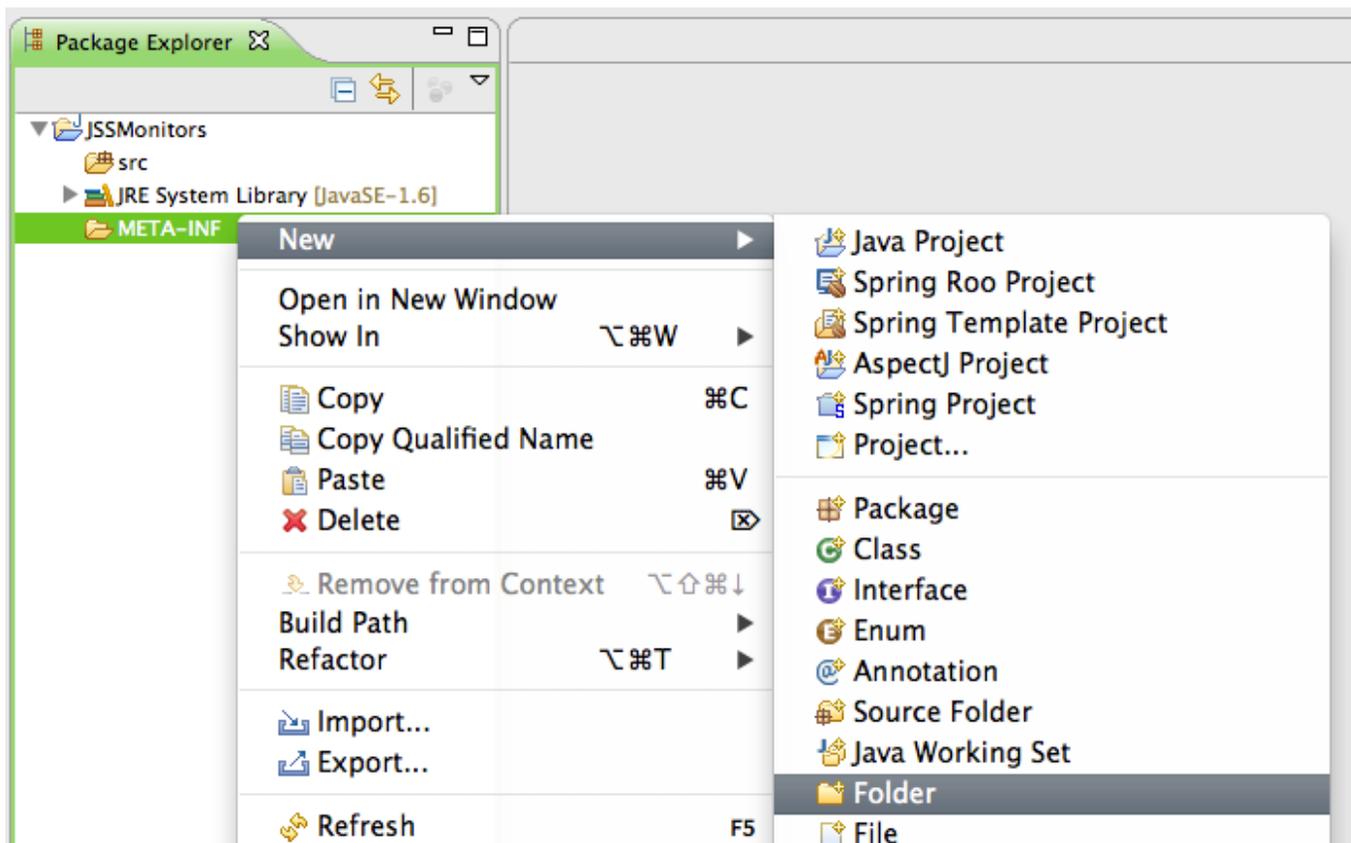
    return response;
}

public void performAction(EventType e, HashMap<Object, Object> hm){
    writeToLog("\nNew Event - " + new Date() + "\n-----\nEvent Type:\n" + e + "\nEventObject:\n" +
e.getEventObject() + "\nJSSObject:\n" + hm.get(InfoMapKeys.JSSObject) + "\n-----\n");
}

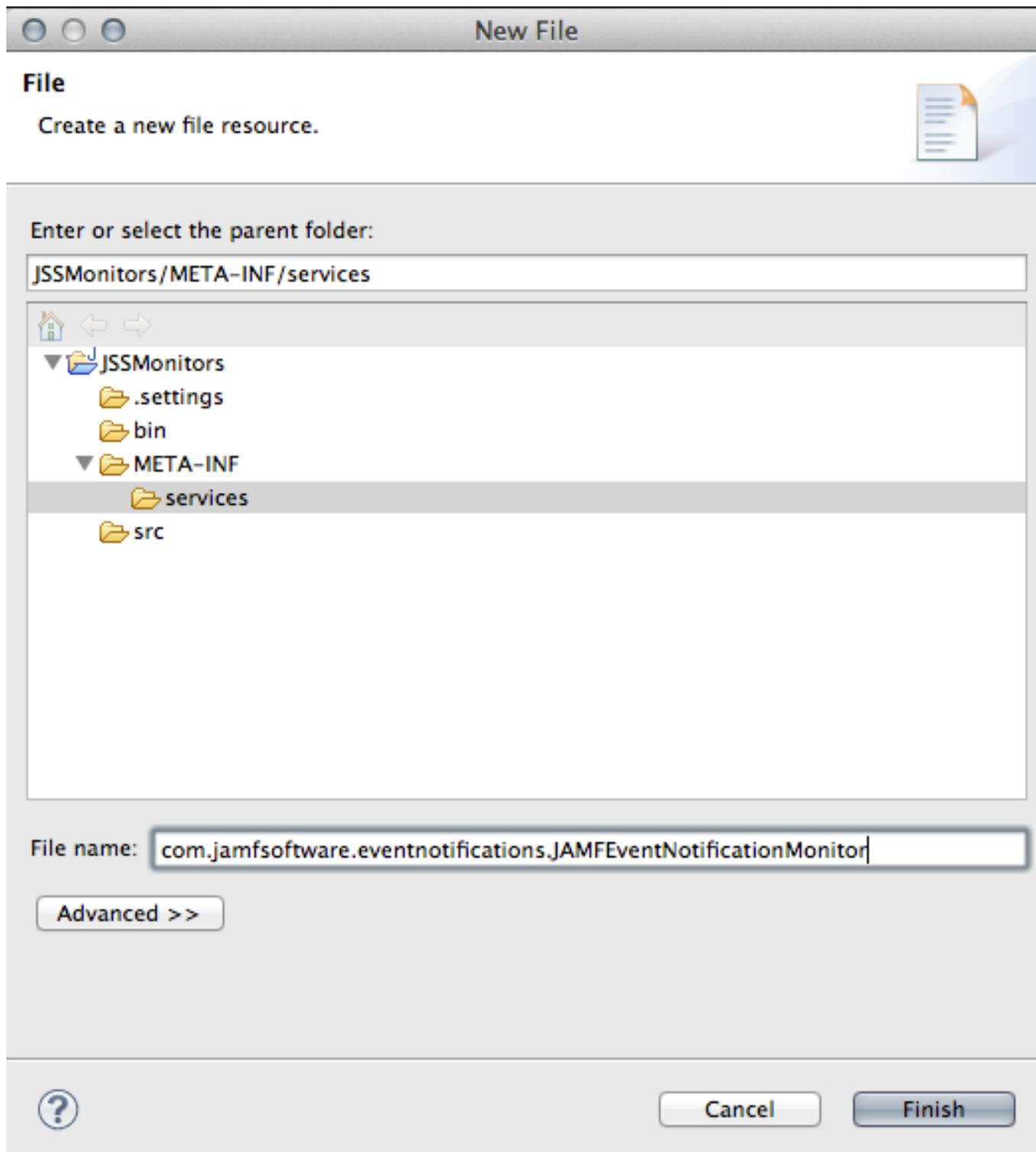
@Override
public boolean isRegisteredForEvent(EventTypeIdIdentifier e) {
    return true;
}

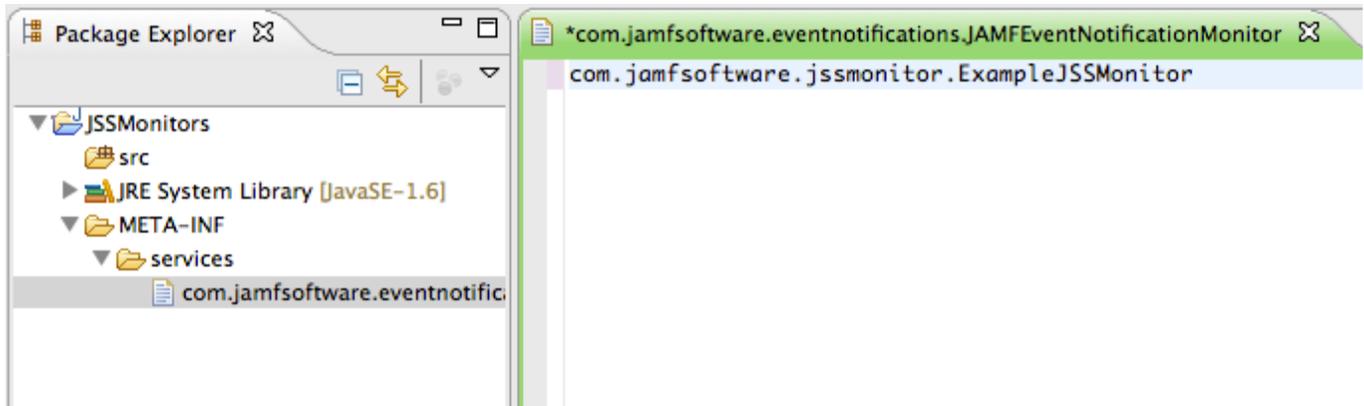
private void writeToLog(String s) {
    try {
        FileOutputStream fstream = new FileOutputStream("/Library/JSS/Logs/AllJAMFEvents.log", true);
        fstream.write(s.getBytes(Charset.forName("UTF-8")));
        fstream.close();
    } catch (Exception e) {
        System.err.println("Error: " + e.getMessage());
    }
}
```

After our code is complete we need to create the JAR. We'll need to create a "services" folder inside of META-INF. META-INF may need to be created in your project.



In the services folder, we'll need to create a file named "com.jamfsoftware.eventnotifications.JAMFEventNotificationMonitor". On each line of that file put the fully qualified binary name of the class you created that implements "JAMFEventNotificationMonitor".





This file can contain multiple lines if your JAR contains multiple implementations of “*JAMFEventNotificationMonitor*”.

Now export the JAR. After exporting, copy the new JAR to \$WEB\_APP\_LOCATION/WEB-INF/lib and restart your JSS. When the JSS loads, it will find your class as an extension of “*JAMFEventNotificationMonitor*” and add it to the list of classes ready for notifications. When the JSS loads your class you will see this line in the JAMFSoftwareServer.log:

```
2012-03-15 10:45:15,440 [INFO ] [InitializeServer      ] - JAMFEventNotificationMonitor loaded:  
com.jamfsoftware.jssmonitor.ExampleJSSMonitor@46e5590e
```

Your JAR is now receiving notifications.

# Document History

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Date	Notes
<i>2012-03-16</i>	<i>First version</i>
<i>2012-03-20</i>	<i>Addition of GroupEventObject and the associated events.</i>
<i>2012-04-18</i>	<i>Addition of concrete event objects.</i>
<i>2012-06-25</i>	<i>Addition of SCEP objects</i>
<i>2013-03-04</i>	<i>Added JSS ID methods for ComputerEventShell and MobileDeviceEventShell. Fixed the SCEPChallengeRequestShell class name and added getTargetDevice method.</i>
<i>2013-12-15</i>	<i>Added RestAPIOperation details.</i>