

WorkflowHelper

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Description

- `org.joget.workflow.model.dao.WorkflowHelper`
- Under wflow-wfengine module
- Helper methods required by workflow engine for processing during runtime e.g. plugins to execute for a tool, assignees for a participant, processing hash variables, etc.

Code Sample

```
import org.joget.apps.app.service.AppUtil;
import org.joget.workflow.model.dao.WorkflowHelper;

String appId = "crm";

WorkflowHelper workflowMapper = (WorkflowHelper) AppUtil.getApplicationContext().getBean("workflowHelper");
//Get the published process package version
String currentVersion = workflowMapper.getPublishedPackageVersion(appId);
```

Methods

`addAuditTrail`

```
public void addAuditTrail(java.lang.String clazz, java.lang.String method, java.lang.String message)
```

Add an audit trail record and trigger audit trail event

`addAuditTrail`

```
public void addAuditTrail(java.lang.String clazz, java.lang.String method, java.lang.String message, java.
lang.Class[] paramTypes, java.lang.Object[] args, java.lang.Object returnjava.lang.Object)
```

Add an audit trail record and trigger audit trail event

`executeDeadlinePlugin`

```
public org.joget.workflow.model.WorkflowDeadline executeDeadlinePlugin(java.lang.String processId, java.lang.
String activityId, org.joget.workflow.model.WorkflowDeadline deadline, java.util.Date processStartTime,
java.util.Date activityAcceptedTime, java.util.Date activityActivatedTime)
```

Execute Deadline Plugin

`executeTool`

```
public boolean executeTool(org.joget.workflow.model.WorkflowAssignment assignment)
```

Execute a tool for a specific assignment.

`getAssignmentUsers`

```
public java.util.List<java.lang.String> getAssignmentUsers(java.lang.String packageId, java.lang.String
procDefId, java.lang.String procId, java.lang.String version, java.lang.String actId, java.lang.String
requesterUsername, java.lang.String participantId)
```

Retrieve a list of assignees for a participant in a process

`getPublishedPackageVersion`

```
public java.lang.String getPublishedPackageVersion(java.lang.String packageId)
```

Get published package version

processHashVariable

```
public java.lang.String processHashVariable(java.lang.String content, org.joget.workflow.model.  
WorkflowAssignment wfAssignment, java.lang.String escapeFormat, java.util.Map<java.lang.String, java.lang.  
String> replaceMap)
```

Processes a string to parse hash variables