

# AppUtil

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## Description

- `org.joget.apps.app.service.AppUtil`
- Under wflow-core module
- Utility methods is used by App in runtime

## Code Sample

```
import org.joget.apps.app.service.AppUtil;

//gets the system/user selected locale
String localeCode = AppUtil.getAppLocale();
```

## Fields

`PREFIX_WORKFLOW_VARIABLE`

```
public static final String PREFIX_WORKFLOW_VARIABLE = "var_";
```

Prefix of a request parameter to indicate the parameter is to used to sets the workflow variable.

`PROPERTY_WORKFLOW_VARIABLE`

```
public static final String PROPERTY_WORKFLOW_VARIABLE = "workflowVariable";
```

Property key to retrieves the workflow variable name from a form field property

## Methods

containsHashVariable

```
public static boolean containsHashVariable(java.lang.String content)
```

Used to checks a content may contains Hash Variable or not

convertVersionToLong

```
public static java.lang.Long convertVersionToLong(java.lang.String version)
```

Converts a String version to its Long equivalent.

escapeHashVariable

```
public static java.lang.String escapeHashVariable(java.lang.String content)
```

Used to escapes all the Hash Variables found in the content

getAppDateFormat

```
public static java.lang.String getAppDateFormat()
```

Read date format from Setup

getApplicationContext

```
public static org.springframework.context.ApplicationContext getApplicationContext()
```

Utility method to retrieve the ApplicationContext of the system

getAppLocale

```
public static java.lang.String getAppLocale()
```

Read locale from Setup

getCurrentAppDefinition

```
public static org.joget.apps.app.model.AppDefinition getCurrentAppDefinition()
```

Retrieve the AppDefinition for the current thread.

getDesignerWebBaseUrl

```
public static java.lang.String getDesignerWebBaseUrl()
```

Returns the URL to the workflow web designer

getDesignerContextPath

```
public static java.lang.String getDesignerContextPath()
```

Used by system to gets designer context path

getEmailList

```
public static java.util.Collection<java.lang.String> getEmailList(java.lang.String toParticipantId, java.lang.String toSpecific, org.joget.workflow.model.WorkflowAssignment wfAssignment, org.joget.apps.app.model.AppDefinition appDef)
```

Used to retrieves email list based on Participant Id and To email string. Username will auto convert to email address belongs to the user.

getProcessDefIdWithVersion

```
public static java.lang.String getProcessDefIdWithVersion(java.lang.String appId, java.lang.String version, java.lang.String processDefId)
```

Forms the full process definition ID which includes the package and version.

getRequestContextPath

```
public static java.lang.String getRequestContextPath()
```

Convenience method to retrieve the current request context path

getSystemAlert

```
public static java.lang.String getSystemAlert()
```

Used by system to retrieves the once time HTML to append on the page load. The once time HTML will be remove after this method call.

getSystemVersion

```
public static java.lang.String getSystemVersion()
```

Returns the current system version.

getUserviewThemeCss

```
public static java.lang.String getUserviewThemeCss()
```

Get the userview theme css depends on the userview parameter in request

isAppDefinitionReset

```
public static boolean isAppDefinitionReset() throws org.springframework.beans.BeansException
```

Method used by system to check whether there is an AppDefinition exist in current thread

isQuickEditEnabled

```
public static boolean isQuickEditEnabled()
```

Checks system settings whether front-end quick edit is enabled.

processHashVariable

```
public static 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)
```

Used to parses Hash Variables found in the content and replace it to the Hash Variable value

processHashVariable

```
public static 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, org.joget.apps.app.model.AppDefinition appDef)
```

Used to parses Hash Variables found in the content and replace it to the Hash Variable value

readPluginResource

```
public static java.lang.String readPluginResource(java.lang.String pluginName, java.lang.String resourceUrl)
```

Reads a resource from a plugin

readPluginResource

```
public static java.lang.String readPluginResource(java.lang.String pluginName, java.lang.String resourceUrl, java.lang.Object[] arguments, boolean removeNewLines)
```

Reads a resource from a plugin. java.util.Formatter text patterns supported.

readPluginResource

```
public static java.lang.String readPluginResource(java.lang.String pluginName, java.lang.String resourceUrl, java.lang.Object[] arguments, boolean removeNewLines, java.lang.String translationFileName)
```

Reads a resource from a plugin. java.util.Formatter text patterns supported.

resetAppDefinition

```
public static void resetAppDefinition() throws org.springframework.beans.BeansException
```

Method used by system to clear the AppDefinition of current thread once the request is processing finish

retrieveVariableDataFromMap

```
public static java.util.Map<java.lang.String, java.lang.String> retrieveVariableDataFromMap(java.util.Map parameters)
```

Retrieves workflow variable values from a Map and populate into another Map

retrieveVariableDataFromRequest

```
public static java.util.Map<java.lang.String, java.lang.String> retrieveVariableDataFromRequest(javax.servlet.http.HttpServletRequest request)
```

Retrieves workflow variable values from request parameters and populate into a Map

setCurrentAppDefinition

```
public static void setCurrentAppDefinition(org.joget.apps.app.model.AppDefinition appDef) throws org.springframework.beans.BeansException
```

Ties an AppDefinition to the current thread.

setDesignerContextPath

```
public static void setDesignerContextPath(java.lang.String path)
```

Used by system to sets designer context path

setSystemAlert

```
public static void setSystemAlert(java.lang.String value)
```

Used to set an once time HTML which will append to the page when next page load.

writeJson

```
public static void writeJson(java.io.Writer writer, org.json.JSONObject jsonObject, java.lang.String callback) throws java.io.IOException, org.json.JSONException
```

Convenient method used to write JSON Object to the response

writeJson

```
public static void writeJson(java.io.Writer writer, org.json.JSONArray jsonArray, java.lang.String callback) throws java.io.IOException, org.json.JSONException
```

Convenient method used to write JSON Array to the response