

Plugin API

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`web/json/app/(:appId)/(~:appVersion)/plugin(*:pluginName)/service`

URL

`web/json/app/(:appId)/(~:appVersion)/plugin(*:pluginName)/service`

Method

GET/POST

Description

This plugin serves as the generic access point to any plugin that implements **PluginWebSupport** in the context of a specific App and App version.

It will call the **webService** method in the specified plugin. Thus, the number of parameters needed essentially depends on the plugin itself.

Parameters

Name	Mandatory	Description
<code>appId</code>	Yes	Application ID (e.g. <code>leaveApp</code>)
<code>appVersion</code>		Application Version (e.g. <code>2</code>) Default: Latest version
<code>pluginName</code>	Yes	Plugin Class Path (E.g. <code>org.joget.apps.userview.lib.InboxMenu</code>)

Sample Call

<http://localhost:8080/jw/web/json/app/leaveApp/2/plugin/org.joget.apps.userview.lib.InboxMenu/service?action=getProcesses>

Sample Result

```
[
  {
    "value": "",
    "label": ""
  },
  {
    "value": "leaveProcess",
    "label": "Leave Process (leaveProcess)"
  }
]
```

`web/json/plugin(*:pluginName)/service`

URL

`web/json/plugin(*:pluginName)/service`

Method

GET/POST

Description

This plugin serves as the generic access point to any plugin that implements **PluginWebSupport** without being in the context of a specific App and App version.

It will call the **webService** method in the specified plugin. Thus, the number of parameters needed essentially depends on the plugin itself.

Parameters

Name	Mandatory	Description
pluginName	Yes	Plugin Class Path (E.g. <code>plugin/org.joget.apps.userview.lib.InboxMenu</code>)

Sample Call

<http://localhost:8080/jw/web/json/plugin/org.joget.apps.userview.lib.UserPermission/service?action=getUsers>

Sample Result

```
[
  {
    "value": "admin",
    "label": "Admin Admin(admin)"
  },
  {
    "value": "cat",
    "label": "Cat Grant(cat)"
  },
  {
    "value": "clark",
    "label": "Clark Kent(clark)"
  },
  {
    "value": "david",
    "label": "David Cain(david)"
  }
]
```

web/json/hash/options

URL

web/json/hash/options

Method

GET

Description

This is the utility call used to list down all hash variables' **availableSyntax** for autocomplete purpose.

Parameters

Name	Mandatory	Description
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Sample Call

<http://localhost:8080/jw/web/json/hash/options>

Sample Result

```
[
  "assignment.activityDefId",
  "assignment.activityId",
```

"assignment.activityName",
"assignment.assigneeId",
"assignment.processDefId",
"assignment.processId",
"assignment.processName",
"assignment.processRequesterId",
"assignment.processVersion",
"currentUser.active",
"currentUser.department.description",
"currentUser.department.id",
"currentUser.department.name",
"currentUser.email",
"currentUser.employee.code",
"currentUser.employee.isHod",
"currentUser.employee.jobTitle",
"currentUser.firstName",
"currentUser.grade.description",
"currentUser.grade.id",
"currentUser.grade.name",
"currentUser.groups.id",
"currentUser.groups.name",
"currentUser.hod.active",
"currentUser.hod.email",
"currentUser.hod.firstName",
"currentUser.hod.lastName",
"currentUser.hod.timeZone",
"currentUser.hod.username",
"currentUser.lastName",
"currentUser.organization.description",
"currentUser.organization.id",
"currentUser.organization.name",
"currentUser.timeZone",
"currentUser.username",
"date.DAY+INTEGER.FORMAT",
"date.DAY-INTEGER.FORMAT",
"date.FORMAT",
"date.MONTH+INTEGER.FORMAT",
"date.MONTH-INTEGER.FORMAT",
"date.YEAR+INTEGER.FORMAT",
"date.YEAR-INTEGER.FORMAT",
"envVariable.KEY",
"form.TABLE.COLUMN",
"form.TABLE.COLUMN[PRIMARY_KEY]",
"i18n.KEY",
"performer.ACTIVITY_DEF_ID.active",
"performer.ACTIVITY_DEF_ID.email",
"performer.ACTIVITY_DEF_ID.firstName",
"performer.ACTIVITY_DEF_ID.id",
"performer.ACTIVITY_DEF_ID.lastName",
"performer.ACTIVITY_DEF_ID.timeZone",
"performer.ACTIVITY_DEF_ID.username",
"requestParam.KEY",
"user.USERNAME.active",
"user.USERNAME.department.description",
"user.USERNAME.department.id",
"user.USERNAME.department.name",
"user.USERNAME.email",
"user.USERNAME.employee.code",
"user.USERNAME.employee.isHod",

```
"user.USERNAME.employee.jobTitle",  
"user.USERNAME.firstName",  
"user.USERNAME.grade.description",  
"user.USERNAME.grade.id",  
"user.USERNAME.grade.name",  
"user.USERNAME.groups.id",  
"user.USERNAME.groups.name",  
"user.USERNAME.hod.active",  
"user.USERNAME.hod.email",  
"user.USERNAME.hod.firstName",  
"user.USERNAME.hod.lastName",  
"user.USERNAME.hod.timeZone",  
"user.USERNAME.hod.username",  
"user.USERNAME.lastName",  
"user.USERNAME.organization.description",  
"user.USERNAME.organization.id",  
"user.USERNAME.organization.name",  
"user.USERNAME.timeZone",
```

```
"user.USERNAME.username",  
"variable.KEY"  
]
```

web/json/console/app/(*:appld)/(~:version)/datalist/options

URL

web/json/console/app/(*:appld)/(~:version)/datalist/options

Method

GET

Description

List all Datalists in of a specific App and App version

Parameters

Name	Mandatory	Description
appld	Yes	Application ID (e.g. leaveApp)
version		Application Version (e.g. 2) Default: Latest version
callback		Javascript callback function name
sort		Sort column Default: name
desc		Descending true / false
start		Start row count Integer
rows		Return row count Integer

Sample Call

<http://localhost:8080/jw/web/json/console/app/leaveApp/2/datalist/options>

Sample Result

```
[  
  {  
    "value": "",  
    "label": ""  
  },  
  {  
    "value": "applicationList",  
    "label": "Application List"  
  },  
  {  
    "value": "contactList",  
    "label": "Contact List"  
  },  
  {  
    "value": "userApplicationList",  
    "label": "User Application List"  
  }  
]
```

web/json/console/app/(*:appId)/(~:version)/forms/options

URL

web/json/console/app/(*:appId)/(~:version)/forms/options

Method

GET

Description

List all Forms in of a specific App and App version

Parameters

Name	Mandatory	Description
appId	Yes	Application ID (e.g. leaveApp)
version		Application Version (e.g. 2) Default: Latest version
callback		Javascript callback function name
sort		Sort column Default: name
desc		Decending true / false
start		Start row count Integer
rows		Return row count Integer

Sample Call

<http://localhost:8080/jw/web/json/console/app/leaveApp/2/forms/options>

Sample Result

```
[
  {
    "value": "",
    "label": ""
  },
  {
    "value": "submitLeaveForm",
    "label": "1-Submit Leave Form"
  },
  {
    "value": "approveLeaveForm",
    "label": "2-Approve Leave Form"
  },
  {
    "value": "leaveApprovedForm",
    "label": "3-Leave Approved Form"
  }
]
```

web/json/console/app/(*:appId)/(~:version)/userview/options

URL

web/json/console/app/(*:appId)/(~:version)/userview/options

Method

GET

Description

List all Userviews in of a specific App and App version

Available in Joget version 5

Parameters

Name	Mandatory	Description
appId	Yes	Application ID (e.g. leaveApp)
version		Application Version (e.g. 2) Default: Latest version
callback		Javascript callback function name
sort		Sort column Default: name
desc		Descending true / false
start		Start row count Integer
rows		Return row count Integer

Sample Call

<http://localhost:8080/jw/web/json/console/app/leaveApp/2/userview/options>

Sample Result

web/property/json/getElements

URL

web/property/json/getElements

Method

GET

Description

Return a list of plugins of the given type.

Parameters

Name	Mandatory	Description
className	Yes	Plugin Class Path (E.g. org.joget.apps.userview.model.UserviewPermission)

Sample Call

<http://localhost:8080/jw/web/property/json/getElements?classname=org.joget.apps.userview.model.UserviewPermission>

Sample Result

```
[
  {
    "value": "",
    "label": ""
  },
  {
    "value": "org.joget.plugin.enterprise.AdminUserviewPermission",
    "label": "Is Admin"
  },
  {
    "value": "org.joget.plugin.enterprise.AnonymousUserviewPermission",
    "label": "Is Anonymous"
  },
  {
    "value": "org.joget.apps.userview.lib.BeanShellPermission",
    "label": "Bean Shell Script"
  },
  {
    "value": "org.joget.apps.userview.lib.DepartmentPermission",
    "label": "Department"
  },
  {
    "value": "org.joget.apps.userview.lib.GroupPermission",
    "label": "Group"
  },
  {
    "value": "org.joget.apps.userview.lib.LoggedInUserPermission",
    "label": "Logged In User"
  },
  {
    "value": "org.joget.apps.userview.lib.OrganizationPermission",
    "label": "Organization"
  },
  {
    "value": "org.joget.plugin.enterprise.SubLevelUserviewPermission",
    "label": "Is Sub Level Userview"
  },
  {
    "value": "org.joget.apps.userview.lib.UserPermission",
    "label": "User"
  }
]
```

web/property/json/getPropertyOptions

URL

web/property/json/getPropertyOptions

Method

GET

Description

Calls the **getPropertyOptions()** method of the given plugin. This is used primarily in the property editor of Joget to dynamically construct the properties.

Parameters

Name	Mandatory	Description
value	Yes	Plugin class path (e.g. org.joget.apps.userview.lib.UserPermission)

Sample Call

<http://localhost:8080/jw/web/property/json/getPropertyOptions?value=org.joget.apps.userview.lib.UserPermission>

Sample Result

```
[
  {
    title: 'Configure Userview Permission (User)',
    properties: [
      {
        name: 'orgId',
        label: 'Select Organization',
        type: 'selectbox',

        options_ajax: '[CONTEXT_PATH]/web/json/plugin/org.joget.apps.userview.lib.UserPermission/service?action=getOrgs'
      },
      {
        name: 'allowedUsernames',
        label: 'Select Users',
        type: 'multiselect',
        size: '10',
        options_ajax_on_change: 'orgId',

        options_ajax: '[CONTEXT_PATH]/web/json/plugin/org.joget.apps.userview.lib.UserPermission/service?action=getUsers'
      }
    ]
  }
]
```

web/property/json/(*:appld)/(~:version)/getPropertyOptions

URL

Method

Description

Calls the **getPropertyOptions()** method of the given plugin in a App context. This is used primarily in the property editor of Joget to dynamically construct the properties.

Parameters

Name	Mandatory	Description
appld	Yes	Application ID (e.g. leaveApp)
version		Application Version (e.g. 2) Default: Latest version
value	Yes	Plugin class path (e.g. org.joget.apps.userview.lib.UserPermission)

Sample Call

<http://localhost:8080/jw/web/property/json/leaveApp/2/getPropertyOptions?value=org.joget.apps.form.lib.DefaultValidator>

Sample Result

```
[
  {
    title:'Configure Validator',
    properties:[
      {
        name:'mandatory',
        label:'Mandatory',
        type:'checkbox',
        value:'true',
        options:[
          {
            value:'true',
            label:''
          }
        ]
      },
      {
        name:'type',
        label:'Type',
        type:'selectbox',
        options:[
          {
            label:'',
            value:''
          },
          {
            label:'Alphabet',
            value:'alphabet'
          },
          {
            label:'Alphanumeric',
            value:'alphanumeric'
          },
          {
            label:'Numeric',
            value:'numeric'
          },
          {
            label:'Email',
            value:'email'
          },
          {
            label:'Custom Regular Expression',
            value:'custom'
          }
        ]
      },
      {
        name:'custom-regex',
        label:'Custom Regular Expression',
        type:'textfield'
      },
      {
        name:'message',
        label:'Custom Error Message Shown When Validation Fail ',
        type:'textfield'
      }
    ]
  }
]
```

```
]
}
]
```

web/property/json/(*:appld)/(~:version)/getDefaultProperties

URL

web/property/json/(*:appld)/(~:version)/getDefaultProperties

Method

GET

Description

To get plugin default properties of a given class path in a App context.

Available in Joget version 5

Parameters

Name	Mandatory	Description
appld	Yes	Application ID (e.g. leaveApp)
version		Application Version (e.g. 2) Default: Latest version
value	Yes	Plugin class path (e.g. org.joget.apps.userview.lib.UserPermission)

Sample Call

http://localhost:8080/jw/web/property/json/hr_expense/2/getDefaultProperties?value=org.joget.apps.app.lib.EmailTool

Sample Result

```
{
  "host": "smtp.gmail.com",
  "port": "465",
  "security": "",
  "username": "",
  "password": "*****SECURE_VALUE****-0",
  "from": "test@test.com",
  "toSpecific": "",
  "toParticipantId": "",
  "cc": "",
  "bcc": "",
  "subject": "",
  "message": "",
  "isHtml": "",
  "formDefId": "",
  "fields": [
  ],
  "files": [
  ]
}
```