

# JSON API

Introduced in v5, the API Domain Whitelist setting in General Settings needs to be configured to allow JSON API requests. If a request is from a non-whitelisted domain, the response will be a HTTP 400 Bad Request.

## New Feature

Form Data API and List Data API are newly added feature in Joget Workflow v6.

- App
  - web/json/app/{\*:appld}/{~:version}/form/{\*:formId}/columns
  - web/json/app/{\*:appld}/{~:version}/generator/{\*:formId}/generate
  - web/json/apps/install
  - web/json/apps/published/processes
  - web/json/apps/published/userviews
  - web/json/console/app/list
  - web/json/console/app/{\*:appld}/version/list
  - web/json/console/app/{\*:appld}/{~:version}/builder/actions
  - web/json/console/app/{\*:appld}/{~:version}/envVariable/list
  - web/json/console/app/{\*:appld}/{~:version}/datalist/list
  - web/json/console/app/{\*:appld}/{~:version}/datalist/options
  - web/json/console/app/{\*:appld}/{~:version}/form/tableNameList
  - web/json/console/app/{\*:appld}/{~:version}/forms
  - web/json/console/app/{\*:appld}/{~:version}/forms/options
  - web/json/console/app/{\*:appld}/{~:version}/package/deploy
  - web/json/console/app/{\*:appld}/{~:version}/package/xpdl
  - web/json/console/app/{\*:appld}/{~:version}/pluginDefault/list
  - web/json/console/app/{\*:appld}/{~:version}/message/list
  - web/json/console/app/{\*:appld}/{~:version}/userview/list
  - web/json/console/app/{\*:appld}/{~:version}/userview/options
  - web/json/workflow/package/list
- Assignments
  - web/json/workflow/assignment/accept/{\*:activityId}
  - web/json/workflow/assignment/complete/{\*:activityId}
  - web/json/workflow/assignment/completeWithVariable/{\*:activityId}
  - web/json/workflow/assignment/list
  - web/json/workflow/assignment/list/count
  - web/json/workflow/assignment/list/accepted
  - web/json/workflow/assignment/list/accepted/count
  - web/json/workflow/assignment/list/accepted/process
  - web/json/workflow/assignment/list/pending
  - web/json/workflow/assignment/list/pending/count
  - web/json/workflow/assignment/list/pending/process
  - web/json/workflow/assignment/process/view/{\*:processId}
  - web/json/workflow/assignment/withdraw/{\*:activityId}
  - web/json/workflow/assignment/variable/{\*:activityId}/{\*:variable}
  - web/json/workflow/assignment/view/{\*:activityId}
- Processes
  - web/json/workflow/process/abort/{\*:processId}
  - web/json/workflow/process/latest/{\*:processDefId}
  - web/json/workflow/process/list
  - web/json/workflow/process/list/package
  - web/json/workflow/process/start/{\*:processDefId}
  - web/json/workflow/process/variable/{\*:processId}/{\*:variable}
  - web/json/workflow/process/view/{\*:processId}
  - web/json/workflow/variable/list/{\*:processId}
- Monitoring
  - web/json/monitoring/activity/abort/{\*:processId}/{\*:activityDefId}
  - web/json/monitoring/activity/list
  - web/json/monitoring/activity/reassign
  - web/json/monitoring/activity/reevaluate
  - web/json/monitoring/activity/start/{\*:processId}/{\*:activityDefId}
  - web/json/monitoring/activity/variable/{\*:activityId}/{\*:variable}
  - web/json/monitoring/activity/view/{\*:activityId}
  - web/json/monitoring/completed/process/list
  - web/json/monitoring/process/copy/{\*:processId}/{\*:processDefId}
  - web/json/monitoring/process/variable/{\*:processId}/{\*:variable}
  - web/json/monitoring/process/view/{\*:processId}
  - web/json/monitoring/running/activity/complete

- web/json/monitoring/running/activity/reassign
- web/json/monitoring/running/process/list
- web/json/monitoring/user/reevaluate
- SLA
  - web/json/workflow/activity/sla/list
- Audit Trail
  - web/json/workflow/audittrail/list
- Directory
  - web/json/directory/admin/dept/list
  - web/json/directory/admin/employment/list
  - web/json/directory/admin/employment/noHaveOrganization/list
  - web/json/directory/admin/employment/noInDept/list
  - web/json/directory/admin/employment/noInGrade/list
  - web/json/directory/admin/group/list
  - web/json/directory/admin/grade/list
  - web/json/directory/admin/organization/list
  - web/json/directory/admin/subdept/list
  - web/json/directory/admin/user/deptAndGrade/options
  - web/json/directory/admin/user/group/list
  - web/json/directory/admin/user/list
  - web/json/directory/admin/user/notInGroup/list
  - web/json/directory/user/sso
  - web/json/workflow/currentUsername
- Plugin
  - web/json/plugin/list
  - web/json/plugin/listOsgi
  - web/property/json/getElements
  - web/property/json/getPropertyOptions
  - web/property/json/(\*:appld)/(~:version)/getDefaultProperties
  - web/property/json/(\*:appld)/(~:version)/getPropertyOptions
- System
  - web/json/apps/verify
  - web/json/console/setting/message/list
  - web/json/hash/options
  - web/json/workflow/testConnection
- Form Data API
  - web/json/data/form/load/(\*:appld)/(\*:formId)/(\*:primaryKeyValue)
  - web/json/data/form/store/(\*:appld)/(\*:formId)/(\*:primaryKeyValue)
  - web/json/data/form/delete/(\*:appld)/(\*:formId)/(\*:primaryKeyValue)
- List Data API
  - web/json/data/list/(\*:appld)/(\*:listId)

## App

web/json/app/(\*:appld)/(~:version)/form/(\*:formId)/columns

### Description

Retrieves all columns for a form

### User Role

Admin

### Method

HTTP GET/POST

### Parameters

- appld - App definition id
- version - (Optional) App definition version
- formId - Form definition id

### Sample URL

http://localhost:8080/jw/web/json/app/crm/form/crm\_account/columns

### Sample Result

```

[[
  "value": "accountName",
  "label": "Account Name"
}, {
  "value": "address",
  "label": "address"
}, {
  "value": "city",
  "label": "City"
}, {
  "value": "country",
  "label": "Country"
}, {
  "value": "dateCreated",
  "label": "Date Created"
}, {
  "value": "dateModified",
  "label": "Date Modified"
}, {
  "value": "id",
  "label": "ID"
}, {
  "value": "state",
  "label": "State"
}]

```

web/json/app/(\*:appld)/(~:version)/generator/(\*:formId)/generate

Description

Executes a generator plugin based on a form

User Role

Admin

Method

HTTP POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- plugin - Class name of generator plugin to execute
- appld - App Definition id
- version - (Optional) App definition version
- formId - Form definition id

Sample URL

http://localhost:8080/jw/web/json/app/crm/generator/crm\_account/generate?plugin=org.joget.plugin.enterprise.CrudGenerator

Sample Result

```

{
  "message": "CRUD generated. Click <a href='\"/jw/web/console/app/crm/2/userview/builder/crm_userview_sales?menuId=c4a0c79c-c0a83810-5291318b-96650e7d\"' target='\"_blank\"'>here</a> to continue edit CRUD in Userview Builder.",
  "error": false,
  "pluginDisabled": false
}

```

## web/json/apps/install

### Description

Downloads and imports an app from an URL

### User Role

Admin

### Method

HTTP POST

### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- url - Url to download an app

### Sample URL

[http://localhost:8080/jw/web/json/apps/install?url=http%3A%2F%2Fwww.joget.org%2Fdownloads%2Fsimple\\_crm.jwa](http://localhost:8080/jw/web/json/apps/install?url=http%3A%2F%2Fwww.joget.org%2Fdownloads%2Fsimple_crm.jwa)

### Sample Result

```
{
  "appld" : "mcrm",
  "appName" : "Simple CRM",
  "appVersion" : "1"
}
```

## web/json/apps/published/processes

### Description

Retrieves all published processes based on logged in user

### User Role

Anyone (Including anonymous)

### Method

HTTP GET/POST

### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- appld - (Optional) App definition Id to filter the list

### Sample URL

<http://localhost:8080/jw/web/json/apps/published/processes?appld=crm>

### Sample Result

```

{
  "apps": [{
    "processes": [{
      "id": "crm#3#process1",
      "processVersion": "3",
      "appVersion": 2,
      "name": "Proposal Approval Process",
      "idWithoutVersion": "process1",
      "url": "/jw/web/client/app/crm/2/process/process1?start=true"
    }],
    "id": "crm",
    "name": "CRM",
    "version": 2
  }]
}

```

## web/json/apps/published/userviews

### Description

Retrieves all published userviews based on logged in user

### User Role

Anyone (Including anonymous)

### Method

HTTP GET/POST

### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- appld - (Optional) App definition Id to filter the list

### Sample URL

<http://localhost:8080/jw/web/json/apps/published/userviews?appld=crm>

### Sample Result

```

{
  "apps": [{
    "id": "crm",
    "name": "CRM",
    "userviews": [{
      "id": "crm_userview_sales",
      "description": "",
      "name": "CRM: Sales Force Automation",
      "url": "/jw/web/userview/crm/crm_userview_sales",
      "version": 2
    }],
    "version": 2
  }]
}

```

## web/json/console/app/list

### Description

Retrieves all apps

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- name - (Optional) name filter
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

Sample URL

<http://localhost:8080/jw/web/json/console/app/list?name=crm>

Sample Result

```
{
  "total": 2,
  "data": [{
    "id": "crm",
    "name": "CRM",
    "version": 2
  }, {
    "id": "mcrm",
    "name": "Simple CRM",
    "version": 1
  }]
}
```

[web/json/console/app/\(\\*:appld\)/version/list](http://localhost/jw/web/json/workflow/process/list/package)

Description

Retrieves all version of an app

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- appld - App Definition id
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

Sample URL

<http://localhost/jw/web/json/workflow/process/list/package>

Sample Result

```
{
  "total": 2,
  "data": [{
    "dateModified": "23-07-2015 07:25 AM",
    "description": null,
    "dateCreated": "28-05-2015 10:08 PM",
    "published": "",
    "version": "1"
  }, {
    "dateModified": "04-09-2015 03:05 AM",
    "description": null,
    "dateCreated": "22-07-2015 11:24 PM",
    "published": "<div class='tick'></div>",
    "version": "2"
  }
]}
}
```

web/json/console/app/{\*:appld}/(~:version)/builder/actions

Description

Retrieves all Datalist Actions plugins

User Role

Admin

Method

HTTP GET/POST

Parameters

- applD - App Definition Id
- version - (Optional) App Definition version

Sample URL

<http://localhost:8080/jw/web/json/console/app/crm/builder/actions>

Sample Result

```

{
  "actions": [{
    "name": "Data List Hyperlink Action",
    "className": "org.joget.apps.datalist.lib.HyperlinkDataListAction",
    "label": "Hyperlink",
    "type": "text",
    "propertyOptions": "[{ title : 'Configure Link', properties : [{ label : 'Hyperlink', name : 'href', type : 'textfield', description : 'URL (Eg. http:\\\\www.google.com)' }, { label : 'Hyperlink Target', name : 'target', type : 'selectbox', description : 'Hyperlink Target is for Row Action usage only', options : [{ value : '_self', label : 'Current Window' }, { value : '_blank', label : 'New Window' }, { value : 'popup', label : 'Popup Dialog' } ] }, { name : 'parameters', label : 'Hyperlink Parameters', type : 'gridCombine', columns : [{ key : 'hrefParam', label : 'Parameter Name' }, { key : 'hrefColumn', label : 'Column Name' } ] }, { label : 'Label', name : 'label', type : 'textfield', description : 'Label shown in the column (for row actions)', value : 'Hyperlink' }, { label : 'Confirmation Message', name : 'confirmation', type : 'textfield' }, { label : 'Visible when no record or checkbox?', name : 'visible', type : 'checkbox', options : [ {value : 'true', label : ' ' } ] } ]]"
  }, {
    "name": "Form Row Delete Action",
    "className": "org.joget.apps.datalist.lib.FormRowDeleteDataListAction",
    "label": "Delete",
    "type": "text",
    "propertyOptions": "[{ title : 'Edit Delete Action', properties : [{ name : 'label', label : 'Label', type : 'textfield' } ], {name:'formDefId',label:'Form',type:'selectbox',options_ajax:[CONTEXT_PATH]/web/json/console/app/crm/2/forms/options,required:True},{ name : 'confirmation', label : 'Confirmation Message', type : 'textfield' }, { name:'deleteGridData', label:'Delete Associated Grid Data?', type:'checkbox', value:false, options:[ { value:true, label:'' } ] }, { name:'deleteSubformData', label:'Delete Associated Child Form Data?', type:'checkbox', value:false, options:[ { value:true, label:'' } ] }, { name:'abortRelatedRunningProcesses', label:'Abort Related Running Processes? ', type:'checkbox', value:false, options:[ { value:true, label:'' } ] } ]]"
  } ]
}

```

web/json/console/app/(\*:appid)/(~:version)/envVariable/list

#### Description

Retrieves all environment variable of an app

#### User Role

Admin

#### Method

HTTP GET/POST

#### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- appId - App Definition Id
- version - (Optional) App Definition version
- filter - (Optional) id filter
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

#### Sample URL

http://localhost:8080/jw/web/json/console/app/crm/envVariable/list

#### Sample Result



```
{
  "total": 2,
  "data": [{
    "id": "refNo",
    "value": "75",
    "remarks": "Used for plugin: IdGeneratorField"
  }, {
    "id": "welcome",
    "value": "<b>Welcome Message</b>",
    "remarks": ""
  }
]
```

web/json/console/app/{\*:appld}/{~:version}/datalist/list

Description

Retrieves all datalist of an app

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- appld - App Definition Id
- version - (Optional) App Definition version
- filter - (Optional) name filter
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

Sample URL

<http://localhost:8080/jw/web/json/console/app/crm/datalist/list>

Sample Result

```
{
  "total": 3,
  "data": [{
    "id": "crm_contact_list",
    "dateModified": "22-07-2015 11:24 PM",
    "description": "Contact List",
    "name": "Contact List",
    "dateCreated": "22-07-2015 11:24 PM"
  }, {
    "id": "crm_inbox",
    "dateModified": "28-08-2015 09:42 AM",
    "description": null,
    "name": "Task Inbox",
    "dateCreated": "22-07-2015 11:24 PM"
  }, {
    "id": "crm_opportunity_list",
    "dateModified": "22-07-2015 11:24 PM",
    "description": "Opportunity List",
    "name": "Opportunity List",
    "dateCreated": "22-07-2015 11:24 PM"
  }
  ]
}
```

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

#### Description

Retrieves all datalist of an app in value-label pair.

#### User Role

Admin

#### Method

HTTP GET/POST

#### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- appld - App Definition Id
- version - (optional) App Definition version
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

#### Sample URL

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

#### Sample Result

```
[[
  "value": "",
  "label": ""
}, {
  "value": "crm_account_list",
  "label": "Account Listing"
}, {
  "value": "crm_contact_list",
  "label": "Contact List"
}, {
  "value": "crm_opportunity_list",
  "label": "Opportunity List"
}, {
  "value": "crm_inbox",
  "label": "Task Inbox"
}]
```

web/json/console/app/(\*:appld)/(~:version)/form/tableNameList

Description

Retrieves all table name used in an app

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- appld - App Definition Id
- version - (Optional) App Definiton version

Sample URL

http://localhost:8080/jw/web/json/console/app/crm/form/tableNameList

Sample Result

```
{
  "tableName": ["crm_account", "crm_contact", "crm_opportunity", "crm_proposal"]
}
```

web/json/console/app/(\*:appld)/(~:version)/forms

Description

Retrieves all forms in an app

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method

- appld - App Definition id
- version - (Optional) App Definition version
- name - (Optional) name filter
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

Sample URL

<http://localhost:8080/jw/web/json/console/app/crm/forms>

Sample Result

```
{
  "total": 7,
  "data": [
    {
      "id": "crm_account",
      "dateModified": "07-09-2015 08:30 AM",
      "tableName": "crm_account",
      "name": "Account Form",
      "dateCreated": "22-07-2015 11:24 PM"
    },
    {
      "id": "crm_contact",
      "dateModified": "22-07-2015 11:24 PM",
      "tableName": "crm_contact",
      "name": "Contact Form",
      "dateCreated": "22-07-2015 11:24 PM"
    },
    {
      "id": "crm_opportunity",
      "dateModified": "22-07-2015 11:24 PM",
      "tableName": "crm_opportunity",
      "name": "Opportunity Form",
      "dateCreated": "22-07-2015 11:24 PM"
    },
    {
      "id": "crm_proposal_approval_form",
      "dateModified": "22-07-2015 11:24 PM",
      "tableName": "crm_proposal",
      "name": "Proposal Approval Form",
      "dateCreated": "22-07-2015 11:24 PM"
    },
    {
      "id": "crm_proposal_form",
      "dateModified": "13-08-2015 02:55 AM",
      "tableName": "crm_proposal",
      "name": "Proposal Form",
      "dateCreated": "22-07-2015 11:24 PM"
    },
    {
      "id": "crm_proposal_resubmit_form",
      "dateModified": "22-07-2015 11:24 PM",
      "tableName": "crm_proposal",
      "name": "Proposal Resubmit Form",
      "dateCreated": "22-07-2015 11:24 PM"
    },
    {
      "id": "crm_proposal_sending_form",
      "dateModified": "22-07-2015 11:24 PM",
      "tableName": "crm_proposal",
      "name": "Proposal Sending Form",
      "dateCreated": "22-07-2015 11:24 PM"
    }
  ]
}
```

## web/json/console/app/{\*:appld}/{~:version}/forms/options

### Description

Retrieves all form in an app in value-label pair

### User Role

Admin

### Method

HTTP GET/POST

### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- appld - App Definition id
- version - (Optional) App Definition version

### Sample URL

http://localhost:8080/jw/web/json/console/app/crm/forms/options

### Sample Result

```
[[
  {
    "value": "",
    "label": ""
  }, {
    "value": "crm_account",
    "label": "Account Form"
  }, {
    "value": "crm_contact",
    "label": "Contact Form"
  }, {
    "value": "crm_opportunity",
    "label": "Opportunity Form"
  }, {
    "value": "crm_proposal_approval_form",
    "label": "Proposal Approval Form"
  }, {
    "value": "crm_proposal_form",
    "label": "Proposal Form"
  }, {
    "value": "crm_proposal_resubmit_form",
    "label": "Proposal Resubmit Form"
  }, {
    "value": "crm_proposal_sending_form",
    "label": "Proposal Sending Form"
  }
]]
```

## web/json/console/app/{\*:appld}/{~:version}/package/deploy

### Description

Deploy a new version of XPDL to an app

### User Role

Admin

### Method

HTTP POST

#### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- appld - App Definition id
- version - (Optional) App Definition version
- packageXpdl - Multipart file of a XPDL file

#### Sample URL

<http://localhost:8080/jw/web/json/console/app/crm/package/deploy>

#### Sample Result

```
{"status": "complete"}
```

### web/json/console/app/{\*:appld}/{~:version}/package/xpdl

#### Description

Retrieves XPDL file of an app

#### User Role

Admin

#### Method

HTTP GET/POST

#### Parameters

- appld - App Definition id
- version - (Optional) App Definition version

#### Sample URL

<http://localhost:8080/jw/web/json/console/app/crm/package/xpdl>

### web/json/console/app/{\*:appld}/{~:version}/pluginDefault/list

#### Description

Retrieves all configured default plugin properties of an app

#### User Role

Admin

#### Method

HTTP GET/POST

#### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- appld - App Definition id
- version - (Optional) App Definition version
- filter - (Optional) name filter
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

#### Sample URL

<http://localhost:8080/jw/web/json/console/app/crm/pluginDefault/list>

#### Sample Result

```

{
  "total": 2,
  "data": [{
    "id": "org.joget.apps.app.lib.EmailTool",
    "pluginName": "Email Tool",
    "pluginDescription": "Sends email message to targeted recipient(s)"
  }, {
    "id": "org.joget.apps.app.lib.ProcessDataCollectorAuditTrail",
    "pluginName": "Process Data Collector",
    "pluginDescription": "Save process data into app_report_* tables for reporting purposes"
  }]
}

```

web/json/console/app/(\*:appld)/(~:version)/message/list

Description

Retrieves all created custom i18n message of an app

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- appld - App Definition id
- version - (Optional) App Definition version
- filter - (Optional) id and message filter
- locale - (Optional) language code for filter
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

Sample URL

http://localhost:8080/jw/web/json/console/app/crm/message/list

Sample Result

```

{
  "total": 1,
  "data": {
    "message": "",
    "id": "general.method.label.search_zh_CN",
    "locale": "zh_CN",
    "messageKey": "general.method.label.search"
  }
}

```

web/json/console/app/(\*:appld)/(~:version)/userview/list

Description

Retrieves all userviews of an app

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- appld - App Definition id
- version - (Optional) App Definition version
- filter - (Optional) name filter
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

Sample URL

<http://localhost:8080/jw/web/json/console/app/crm/userview/list>

Sample Result

```
{
  "total": 1,
  "data": {
    "id": "crm_userview_sales",
    "dateModified": "13-09-2015 02:55 AM",
    "description": "",
    "name": "CRM: Sales Force Automation",
    "dateCreated": "22-07-2015 11:24 PM"
  }
}
```

[web/json/console/app/\\*:appld/~:version/userview/options](http://localhost:8080/jw/web/json/console/app/*:appld/~:version/userview/options)

Description

Retrieves all userviews of an app in value-label pair

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- appld - App Definition id
- version - (Optional) App Definition version
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

Sample URL

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

Sample Result



```
[[
  "value": "",
  "label": ""
}, {
  "value": "crm_userview_sales",
  "label": "CRM: Sales Force Automation"
}]
```

web/json/workflow/package/list

Description

Retrieves package (app) list

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - a function (in JavaScript) to call back after invoking this method

Sample URL

http://localhost:8080/jw/web/json/workflow/package/list

Sample Result

```
{
  "data": [[
    "packageId": "crm",
    "packageName": "CRM"
  ], {
    "packageId": "helpdesk",
    "packageName": "Helpdesk"
  }]
}
```

## Assignments

web/json/workflow/assignment/accept/(\*:activityId)

Description

Accept an assigned assignment

Deprecated Since v3, the concept of accept & withdraw assignment is removed

User Role

Anyone (Including anonymous)

Method

HTTP POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- activityId - Activity instance id

Sample URL

[http://localhost:8080/jw/web/json/workflow/assignment/accept/879\\_223\\_crm\\_process1\\_approve\\_proposal](http://localhost:8080/jw/web/json/workflow/assignment/accept/879_223_crm_process1_approve_proposal)

Sample Result

```
{
  "assignment": "879_223_crm_process1_approve_proposal"
  "status": "accepted"
}
```

[web/json/workflow/assignment/complete/\\*:activityId](http://localhost:8080/jw/web/json/workflow/assignment/complete/*:activityId)

Description

Completes an assigned assignment

User Role

Anyone (Including anonymous)

Method

HTTP POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- activityId - activity instance id

Sample URL

[http://localhost:8080/jw/web/json/workflow/assignment/complete/879\\_223\\_crm\\_process1\\_approve\\_proposal](http://localhost:8080/jw/web/json/workflow/assignment/complete/879_223_crm_process1_approve_proposal)

Sample Result

```
{
  "activityId": "879_223_crm_process1_approve_proposal",
  "nextActivityId": "882_223_crm_process1_send_proposal",
  "processId": "223_crm_process1",
  "status": "completed"
}
```

[web/json/workflow/assignment/completeWithVariable/\\*:activityId](http://localhost:8080/jw/web/json/workflow/assignment/completeWithVariable/*:activityId)

Description

Completes an assigned assignment with option to set workflow variables.

User Role

Anyone (Including anonymous)

Method

HTTP POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- activityId - activity instance id
- var\_\* - (Optional) parameters prefixed with "var\_" used to set workflow variable

Sample URL

[http://localhost:8080/jw/web/json/workflow/assignment/complete/879\\_223\\_crm\\_process1\\_approve\\_proposal?var\\_status=Sent](http://localhost:8080/jw/web/json/workflow/assignment/complete/879_223_crm_process1_approve_proposal?var_status=Sent)

#### Sample Result

```
{
  "activityId": "879_223_crm_process1_approve_proposal",
  "nextActivityId": "882_223_crm_process1_send_proposal",
  "processId": "223_crm_process1",
  "status": "completed"
}
```

#### web/json/workflow/assignment/list

##### Description

Retrieves all assignments of current logged in user

##### User Role

Anyone (Including anonymous)

##### Method

HTTP GET/POST

##### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- packageId - (Optional) App Definition Id
- processDefId - (Optional) Process definition Id with version
- processId - (Optional) Process instance id
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

##### Sample URL

<http://localhost:8080/jw/web/json/workflow/assignment/list?rows=3&packageId=crm>

##### Sample Result

```

{
  "total": 10,
  "data": [{
    "id": "477_118_crm_process1_approve_proposal",
    "activityId": "477_118_crm_process1_approve_proposal",
    "processVersion": "1",
    "serviceLevelMonitor": "-",
    "processId": "118_crm_process1",
    "description": "",
    "processName": "Proposal Approval Process",
    "due": "-",
    "dateCreated": "21-07-2015 03:03 AM",
    "label": "Approve Proposal",
    "acceptedStatus": false,
    "activityName": "Approve Proposal"
  }, {
    "id": "479_119_crm_process1_approve_proposal",
    "activityId": "479_119_crm_process1_approve_proposal",
    "processVersion": "1",
    "serviceLevelMonitor": "-",
    "processId": "119_crm_process1",
    "description": "",
    "processName": "Proposal Approval Process",
    "due": "-",
    "dateCreated": "21-07-2015 03:03 AM",
    "label": "Approve Proposal",
    "acceptedStatus": false,
    "activityName": "Approve Proposal"
  }, {
    "id": "481_120_crm_process1_approve_proposal",
    "activityId": "481_120_crm_process1_approve_proposal",
    "processVersion": "1",
    "serviceLevelMonitor": "-",
    "processId": "120_crm_process1",
    "description": "",
    "processName": "Proposal Approval Process",
    "due": "-",
    "dateCreated": "21-07-2015 03:03 AM",
    "label": "Approve Proposal",
    "acceptedStatus": false,
    "activityName": "Approve Proposal"
  }
  ]
}

```

web/json/workflow/assignment/list/count

Description

Retrieves the number of assignments of current logged in user

User Role

Anyone (Including anonymous)

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- packageId - (Optional) App Definition Id
- processDefId - (Optional) Process definition Id with version
- processId - (Optional) Process instance id

Sample URL

<http://localhost:8080/jw/web/json/workflow/assignment/list/count?packageId=crm>

Sample Result

```
{ "total": 10 }
```

## web/json/workflow/assignment/list/accepted

Description

Retrieves all accepted assignments of current logged in user

Deprecated Since v3, the concept of accept & withdraw assignment is removed

User Role

Anyone (Including anonymous)

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- processId - (Optional) Process instance id
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

Sample URL

<http://localhost:8080/jw/web/json/workflow/assignment/list/accepted?rows=3>

Sample Result

```
{
  "total": 10,
  "data": [{
    "id": "477_118_crm_process1_approve_proposal",
    "activityId": "477_118_crm_process1_approve_proposal",
    "processVersion": "1",
    "serviceLevelMonitor": "-",
    "processId": "118_crm_process1",
    "description": "",
    "processName": "Proposal Approval Process",
    "due": "-",
    "dateCreated": "21-07-2015 03:03 AM",
    "label": "Approve Proposal",
    "acceptedStatus": false,
    "activityName": "Approve Proposal"
  }, {
    "id": "479_119_crm_process1_approve_proposal",
    "activityId": "479_119_crm_process1_approve_proposal",
    "processVersion": "1",
    "serviceLevelMonitor": "-",
    "processId": "119_crm_process1",
    "description": "",
    "processName": "Proposal Approval Process",
    "due": "-",
    "dateCreated": "21-07-2015 03:03 AM",
    "label": "Approve Proposal",
    "acceptedStatus": false,
    "activityName": "Approve Proposal"
  }, {
    "id": "481_120_crm_process1_approve_proposal",
    "activityId": "481_120_crm_process1_approve_proposal",
    "processVersion": "1",
    "serviceLevelMonitor": "-",
    "processId": "120_crm_process1",
    "description": "",
    "processName": "Proposal Approval Process",
    "due": "-",
    "dateCreated": "21-07-2015 03:03 AM",
    "label": "Approve Proposal",
    "acceptedStatus": false,
    "activityName": "Approve Proposal"
  }
  ]
}
```

web/json/workflow/assignment/list/accepted/count

Description

Retrieves the number of accepted assignments of current logged in user

Deprecated Since v3, the concept of accept & withdraw assignment is removed

User Role

Anyone (Including anonymous)

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method

Sample URL

http://localhost:8080/jw/web/json/workflow/assignment/list/accepted/count

Sample Result

```
{"total":3}
```

## web/json/workflow/assignment/list/accepted/process

Description

Retrieves processes list based on accepted assignment of current logged in user

Deprecated Since v3, the concept of accept & withdraw assignment is removed

User Role

Anyone (Including anonymous)

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method

Sample URL

http://localhost:8080/jw/web/json/workflow/assignment/list/accepted/process

Sample Result

```
{
  "data": [
    {
      "count": 3,
      "processVersion": "3",
      "processName": "Proposal Approval Process",
      "processDefId": "crm#3#process1",
      "label": "Proposal Approval Process ver 3 (3)",
      "url": "/json/workflow/assignment/list/accepted?processId=crm%233%23process1"
    }
  ]
}
```

## web/json/workflow/assignment/list/pending

Description

Retrieves all pending assignments of current logged in user

User Role

Anyone (Including anonymous)

Method

HTTP GET/POST

#### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- processId - (Optional) Process instance id
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

#### Sample URL

http://localhost:8080/jw/web/json/workflow/assignment/list/pending

#### Sample Result

```
{
  "total": 3,
  "data": [
    {
      "id": "841_206_crm_process1_send_proposal",
      "activityId": "841_206_crm_process1_send_proposal",
      "processVersion": "3",
      "serviceLevelMonitor": "-",
      "processId": "206_crm_process1",
      "description": "",
      "processName": "Proposal Approval Process",
      "due": "-",
      "dateCreated": "04-09-2015 11:05 AM",
      "label": "Send Proposal",
      "activityName": "Send Proposal"
    },
    {
      "id": "842_207_crm_process1_approve_proposal",
      "activityId": "842_207_crm_process1_approve_proposal",
      "processVersion": "3",
      "serviceLevelMonitor": "-",
      "processId": "207_crm_process1",
      "description": "",
      "processName": "Proposal Approval Process",
      "due": "-",
      "dateCreated": "04-09-2015 11:05 AM",
      "label": "Approve Proposal",
      "activityName": "Approve Proposal"
    },
    {
      "id": "843_208_crm_process1_send_proposal",
      "activityId": "843_208_crm_process1_send_proposal",
      "processVersion": "3",
      "serviceLevelMonitor": "-",
      "processId": "208_crm_process1",
      "description": "",
      "processName": "Proposal Approval Process",
      "due": "-",
      "dateCreated": "04-09-2015 11:05 AM",
      "label": "Send Proposal",
      "activityName": "Send Proposal"
    }
  ]
}
```

web/json/workflow/assignment/list/pending/count

#### Description

Retrieves the number of all pending assignments of current logged in user



User Role

Anyone (Including anonymous)

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method

Sample URL

http://localhost:8080/jw/web/json/workflow/assignment/list/pending/count

Sample Result

```
{ "total": 3 }
```

### web/json/workflow/assignment/list/pending/process

Description

Retrieves process list based on pending assignments of current logged in user

User Role

Anyone (Including anonymous)

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method

Sample URL

http://localhost:8080/jw/web/json/workflow/assignment/list/pending/process

Sample Result

```
{
  "data": [
    {
      "count": 3,
      "processVersion": "3",
      "processName": "Proposal Approval Process",
      "processDefId": "crm#3#process1",
      "label": "Proposal Approval Process ver 3 (3)",
      "url": "/json/workflow/assignment/list/accepted?processId=crm%233%23process1"
    }
  ]
}
```

### web/json/workflow/assignment/process/view/{\*:processId}

Description

Retrieves process information based on available assignment of current logged in user

User Role

Anyone (Including anonymous)

Method

HTTP GET/POST

#### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- processId - Process instance id

#### Sample URL

http://localhost:8080/jw/web/json/workflow/assignment/process/view/208\_crm\_process1

#### Sample Result

```
{
  "activityId": "843_208_crm_process1_send_proposal",
  "processVersion": "3",
  "activityDefId": "send_proposal",
  "processId": "208_crm_process1",
  "assigneeId": "admin",
  "description": "",
  "processName": "Proposal Approval Process",
  "dateCreated": "04-09-2015 03:05 AM",
  "participant": "Requester",
  "processDefId": "crm#3#process1",
  "variable": {
    "status": "approved"
  },
  "activityName": "Send Proposal"
}
```

web/json/workflow/assignment/withdraw/{\*:activityId}

#### Description

Withdraws an accepted assignment

Deprecated Since v3, the concept of accept & withdraw assignment is removed

#### User Role

Anyone (Including anonymous)

#### Method

HTTP POST

#### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- activityId - activity instance id

#### Sample URL

http://localhost:8080/jw/web/json/workflow/assignment/withdraw/879\_223\_crm\_process1\_approve\_proposal

#### Sample Result

```
{
  "activityId": "879_223_crm_process1_approve_proposal",
  "status": "withdrawn"
}
```

web/json/workflow/assignment/variable/{\*:activityId}/{\*:variable}

Description

Sets value of workflow variable of an assignment

User Role

Anyone (Including anonymous)

Method

HTTP POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- activityId - activity instance id
- variable - workflow variable to set value
- value - value of workflow variable

Sample URL

[http://localhost:8080/jw/web/json/workflow/assignment/variable/843\\_208\\_crm\\_process1\\_send\\_proposal/status?value=test](http://localhost:8080/jw/web/json/workflow/assignment/variable/843_208_crm_process1_send_proposal/status?value=test)

Sample Result

```
{ "status": "variableSet" }
```

### web/json/workflow/assignment/view/{\*:activityId}

Description

Retrieves information of an assignment

User Role

Anyone (Including anonymous)

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- activityId - activity instance id

Sample URL

[http://localhost:8080/jw/web/json/workflow/assignment/view/843\\_208\\_crm\\_process1\\_send\\_proposal](http://localhost:8080/jw/web/json/workflow/assignment/view/843_208_crm_process1_send_proposal)

Sample Result

```
{
  "activityId": "843_208_crm_process1_send_proposal",
  "processVersion": "3",
  "activityDefId": "send_proposal",
  "processId": "208_crm_process1",
  "assigneeId": "admin",
  "description": "",
  "processName": "Proposal Approval Process",
  "dateCreated": "04-09-2015 03:05 AM",
  "participant": "Requester",
  "processDefId": "crm#3#process1",
  "variable": {
    "status": "approved"
  },
  "activityName": "Send Proposal"
}
```

## Processes

web/json/workflow/process/abort/(\*:processId)

Description

Aborts a running process instance

User Role

Admin

Method

HTTP POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- processId - Process instance id

Sample URL

http://localhost:8080/jw/web/json/workflow/process/abort/208\_crm\_process1

Sample Result

```
{"status":"aborted","processId":"208_crm_process1"}
```

web/json/workflow/process/latest/(\*:processDefId)

Description

Gets latest Process def Id of a process based on a Process def Id

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- processDefId - Process Definition Id (Replace '#' with ':' in the id)

Sample URL

http://localhost:8080/jw/web/json/workflow/process/latest/crm:1:process1

Sample Result

```
{"id":"crm#3#process1","encodedId":"crm:3:process1"}
```

web/json/workflow/process/list

Description

Retrieves process list

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- allVersion - (Optional) "yes" to load all versions, "no" to load latest version
- packageId - (Optional) package id (App id)
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page
- checkWhiteList - (Optional true/false) to return the list based on process white list

Sample URL

<http://localhost:8080/jw/web/json/workflow/process/list>

Sample Result

```
{
  "total": 3,
  "desc": false,
  "sort": "name",
  "start": 0,
  "data": [
    {
      "id": "hdc_v1001#1#hdc_certification_process",
      "packageName": "halal certification",
      "name": "HDC Certification Process",
      "packageId": "hdc_v1001",
      "label": "HDC Certification Process ver 1",
      "version": "1"
    },
    {
      "id": "mdec_v1002#12#mdec_wp1",
      "packageName": "Mdec Work Progress",
      "name": "mdec_wp1",
      "packageId": "mdec_v1002",
      "label": "mdec_wp1 ver 12",
      "version": "12"
    },
    {
      "id": "mora#5#mora_new_application",
      "packageName": "MORA Halal Certification",
      "name": "MORA New Application",
      "packageId": "mora",
      "label": "MORA New Application ver 5",
      "version": "5"
    }
  ]
}
```

[web/json/workflow/process/list/package](http://localhost:8080/jw/web/json/workflow/process/list/package)

Description

Retrieve first process with details of every packages

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- checkWhiteList - (Optional) Boolean value to return the list based on process white list

Sample URL

<http://localhost:8080/jw/web/json/workflow/process/list/package>

## Sample Result

```
{
  "data": [
    {
      "id": "hr_expense",
      "count": 2,
      "processVersion": "3",
      "packageName": "HR Expenses Claim App",
      "processId": "hr_expense#3#process1",
      "processName": "Expense Approval Process",
      "packageId": "hr_expense",
      "label": "HR Expenses Claim App",
      "url": "/json/workflow/process/list?packageId=hr_expense"
    },
    {
      "id": "isr",
      "count": 1,
      "processVersion": "2",
      "packageName": "ISR",
      "processId": "isr#2#isr",
      "processName": "ISR Process",
      "packageId": "isr",
      "label": "ISR",
      "url": "/json/workflow/process/list?packageId=isr"
    },
    {
      "id": "hrleave",
      "count": 2,
      "processVersion": "1",
      "packageName": "JINC Leave Solution",
      "processId": "hrleave#1#la",
      "processName": "Leave Application System",
      "packageId": "hrleave",
      "label": "JINC Leave Solution",
      "url": "/json/workflow/process/list?packageId=hrleave"
    }
  ]
}
```

web/json/workflow/process/start/(\*:processDefId)

### Description

Starts a process based on process start whitelist

### User Role

Anyone (Including anonymous)

### Method

HTTP POST

### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- processDefId - Process Definition Id (Replace '#' with ':' in the id)

#### Obtaining Latest Published Process Version

Instead of specifying crm:3:process1 in the call, we can use the keyword latest in the processDefId - crm:latest:process1 to automatically set to the published app's process version.

- processInstanceId - (Optional) used to start the previous created but haven't start process instance
- recordId - (Optional) used to start a process instance with existing record
- var\_\* - (Optional) parameters prefixed with "var\_" will be used to set workflow variable

Sample URL

<http://localhost:8080/jw/web/json/workflow/process/start/crm:3:process1>

Sample Result

```
{ "activityId": "885_224_crm_process1_approve_proposal", "processId": "224_crm_process1" }
```

For "activityId" to be returned, please ensure the "Show The Next Assignment When Completed" is checked under the Run Process activity in Map Activities to Forms tab and the next activity after the start of process is assigned to the same person that starts the process.

[web/json/workflow/process/variable/{\\*:processId}/{\\*:variable}](http://localhost:8080/jw/web/json/workflow/process/variable/{*:processId}/{*:variable})

Description

Sets workflow variable of a process instance

User Role

Admin

Method

HTTP POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- processId - process instance id
- variable - workflow variable name
- value - value of workflow variable to be set

Sample URL

[http://localhost:8080/jw/web/json/workflow/process/variable/208\\_crm\\_process1/status?value=test](http://localhost:8080/jw/web/json/workflow/process/variable/208_crm_process1/status?value=test)

Sample Result

```
{ "status" : "variableSet" }
```

[web/json/workflow/process/view/{\\*:processId}](http://localhost:8080/jw/web/json/workflow/process/view/{*:processId})

Description

Retrieves information of a process definition

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- processId - Process Definition Id (Replace '#' with ':' in the id)

Sample URL

<http://localhost:8080/jw/web/json/workflow/process/view/crm:3:process1>

Sample Result

```
{
  "packageName": "CRM",
  "processId": "crm#3#process1",
  "name": "Proposal Approval Process",
  "packageId": "crm",
  "version": "3"
}
```

web/json/workflow/variable/list/(\*:processId)

Description

Retrieves all variables of a process instance

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- processId - process instance id

Sample URL

http://localhost:8080/jw/web/json/workflow/variable/list/208\_crm\_process1

Sample Result

```
{
  "processId": "208_crm_process1",
  "variable": {
    "status": "approved"
  }
}
```

## Monitoring

web/json/monitoring/activity/abort/(\*:processId)/(\*:activityDefId)

Description

Aborts an activity of a process instance

User Role

Admin

Method

HTTP POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- processId - process instance id
- activityDefId - activity definition id



Sample URL

http://localhost:8080/jw/web/json/monitoring/activity/abort/208\_crm\_process1/send\_proposal

Sample Result

```
{"activityDefId":"send_proposal","status":"aborted","processId":"208_crm_process1"}
```

## web/json/monitoring/activity/list

Description

Retrieves a list of all activities

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- processId - (Optional) process instance id for filtering
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

Sample URL

http://localhost:8080/jw/web/json/monitoring/activity/list?processId=116\_hr\_expense\_process1

Sample Result

```
{
  "total": 3,
  "data": [
    {
      "id": "474_116_hr_expense_process1_approve_claim",
      "serviceLevelMonitor": "-",
      "name": "Approve Claim",
      "state": "open.not_running.not_started",
      "dateCreated": "15-07-2015 02:54 AM"
    },
    {
      "id": "472_116_hr_expense_process1_new_claim",
      "serviceLevelMonitor": "-",
      "name": "Edit Claim",
      "state": "closed.completed",
      "dateCreated": "15-07-2015 02:53 AM"
    },
    {
      "id": "473_116_hr_expense_process1_tool4",
      "serviceLevelMonitor": "-",
      "name": "Update Record Status to Submitted",
      "state": "closed.completed",
      "dateCreated": "15-07-2015 02:54 AM"
    }
  ]
}
```

## web/json/monitoring/activity/reassign

Description

Reassigns a user to replace another user assigned to an assignment

User Role

Admin

Method

HTTP POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- username - username that will replace the assigned user
- replaceUser - username of an existing assignee of the assignment
- activityId - activity instance id of the assignment

Sample URL

[http://localhost:8080/jw/web/json/monitoring/activity/reassign?activityId=841\\_206\\_crm\\_process1\\_send\\_proposal&username=admin&replaceUser=cat](http://localhost:8080/jw/web/json/monitoring/activity/reassign?activityId=841_206_crm_process1_send_proposal&username=admin&replaceUser=cat)

Sample Result

```
{ "activityId": "841_206_crm_process1_send_proposal", "username": "admin", "replaceUser": "cat" }
```

## web/json/monitoring/activity/reevaluate

Description

Reevaluates an activity

User Role

Admin

Method

HTTP POST

Parameters

- activityId - activity instance id to be reevaluate

Sample URL

[http://localhost:8080/jw/web/json/monitoring/activity/reevaluate?activityId=841\\_206\\_crm\\_process1\\_send\\_proposal](http://localhost:8080/jw/web/json/monitoring/activity/reevaluate?activityId=841_206_crm_process1_send_proposal)

## web/json/monitoring/activity/start/(\*:processId)/(\*:activityDefId)

Description

Starts an activity in a running process instance

User Role

Admin

Method

HTTP POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- processId - process instance id
- activityDefId - activity definition id
- abortCurrent - (Optional) true or false value to abort all the running activities in the process instance

Sample URL

[http://localhost:8080/jw/web/json/monitoring/activity/start/116\\_hr\\_expense\\_process1/verify\\_claim](http://localhost:8080/jw/web/json/monitoring/activity/start/116_hr_expense_process1/verify_claim)

Sample Result

```
{ "result": true, "activityDefId": "verify_claim", "processId": "116_hr_expense_process1" }
```

web/json/monitoring/activity/variable/{\*:activityId}/{\*:variable}

Description

Sets value to a workflow variable to a running activity instance

User Role

Admin

Method

HTTP POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- activityId - activity instance id
- variable - workflow variable name
- value - workflow variable value

Sample URL

http://localhost:8080/jw/web/json/monitoring/activity/variable/474\_116\_hr\_expense\_process1\_approve\_claim/status?value=test

Sample Result

```
{ "status": "variableSet" }
```

web/json/monitoring/activity/view/{\*:activityId}

Description

Retrieves information of an activity instance

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- activityId - activity instance id

Sample URL

http://localhost:8080/jw/web/json/monitoring/activity/view/474\_116\_hr\_expense\_process1\_approve\_claim

Sample Result

```
{
  "processId": "116_hr_expense_process1",
  "serviceLevelMonitor": "-",
  "createdTime": "Wed Jul 15 10:54:10 MYT 2015",
  "processName": "Expense Approval Process",
  "assignee": "admin",
  "activityId": "474_116_hr_expense_process1_approve_claim",
  "activityDefId": "approve_claim",
  "processVersion": "1",
  "processDefId": "hr_expense#1#process1",
  "participant": "approver",
  "finishTime": "",
  "variable": {
    "status": "test"
  },
  "activityName": "Approve Claim",
  "dueDate": ""
}
```

## web/json/monitoring/completed/process/list

### Description

Retrieves a list of all completed process instances

### User Role

Admin

### Method

HTTP GET/POST

### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- packageId - (Optional) App/ package id
- processId - (Optional) process instance id for filtering
- processName - (Optional) process name for filtering
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

### Sample URL

<http://localhost:8080/jw/web/json/monitoring/completed/process/list?rows=3>

### Sample Result

```

{
  "total": 74,
  "data": [{
    "id": "133_hr_expense_process1",
    "serviceLevelMonitor": "-",
    "requesterId": "admin",
    "name": "Expense Approval Process",
    "state": "closed.aborted",
    "due": "-",
    "startedTime": "29-07-2015 01:46 AM",
    "version": "2"
  }, {
    "id": "135_crm_process1",
    "serviceLevelMonitor": "-",
    "requesterId": "admin",
    "name": "Proposal Approval Process",
    "state": "closed.aborted",
    "due": "-",
    "startedTime": "04-08-2015 09:28 AM",
    "version": "2"
  }, {
    "id": "136_crm_process1",
    "serviceLevelMonitor": "-",
    "requesterId": "admin",
    "name": "Proposal Approval Process",
    "state": "closed.aborted",
    "due": "-",
    "startedTime": "04-08-2015 09:31 AM",
    "version": "2"
  }
  ]
}

```

web/json/monitoring/process/copy/(\*:processId)/(\*:processDefId)

#### Description

Copies the state and workflow variables of a running process instance to start a new process instance

#### User Role

Admin

#### Method

HTTP POST

#### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- processId - process instance id
- processDefId - process definition id to start a new process (replace "#" to ":")
- abortCurrent - (Optional) true or false value to abort the current running process instance after start a new process instance

#### Sample URL

http://localhost:8080/jw/web/json/monitoring/process/copy/116\_hr\_expense\_process1/hr\_expense:1:process1

#### Sample Result

```
{
  "processId": "228_hr_expense_process1",
  "processDefId": "hr_expense#1#process1",
  "activities": [ "896_228_hr_expense_process1_approve_claim" ]
}
```

web/json/monitoring/process/variable/{\*:processId}/{\*:variable}

Description

Sets a value to workflow variable of a process instance

User Role

Admin

Method

HTTP POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- processId - process instance id
- variable - workflow variable name
- value - workflow variable value

Sample URL

http://localhost:8080/jw/web/json/monitoring/process/variable/224\_crm\_process1/status?value=test

Sample Result

```
{"status":"variableSet"}
```

web/json/monitoring/process/view/{\*:processId}

Description

Retrieves information of a process instance

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- processId - process instance id

Sample URL

http://localhost:8080/jw/web/json/monitoring/process/view/224\_crm\_process1

Sample Result

```
{
  "requester": "admin",
  "serviceLevelMonitor": "-",
  "processId": "224_crm_process1",
  "name": "Proposal Approval Process",
  "finishTime": "",
  "states": ["open.running", "open.running"],
  "packageId": "crm",
  "processDefId": "crm#3#process1",
  "dueDate": "",
  "startedTime": "",
  "version": "3"
}
```

### web/json/monitoring/running/activity/complete

#### Description

Completes a running activity

#### User Role

Admin

#### Method

HTTP POST

#### Parameters

- processDefId - process definition id (replace "#" to ".")
- processId - process instance id
- activityId - activity instance id

#### Sample URL

[http://localhost:8080/jw/web/json/monitoring/running/activity/complete?processDefId=crm:3:process1&processId=224\\_crm\\_process1&activityId=885\\_224\\_crm\\_process1\\_approve\\_proposal](http://localhost:8080/jw/web/json/monitoring/running/activity/complete?processDefId=crm:3:process1&processId=224_crm_process1&activityId=885_224_crm_process1_approve_proposal)

### web/json/monitoring/running/activity/reassign

#### Description

Reassigns a user to replace another user assigned to an assignment

#### User Role

Admin

#### Method

HTTP POST

#### Parameters

- processDefId - process definition id (replace "#" to ".")
- processId - process instance id
- activityId - activity instance id
- username - username that will replace the assigned user
- replaceUser - username of an existing assignee of the assignment

#### Sample URL

[http://localhost:8080/jw/web/json/monitoring/running/activity/reassign?processDefId=crm:3:process1&processId=227\\_crm\\_process1&activityId=890\\_227\\_crm\\_process1\\_approve\\_proposal&username=cat&replaceUser=admin](http://localhost:8080/jw/web/json/monitoring/running/activity/reassign?processDefId=crm:3:process1&processId=227_crm_process1&activityId=890_227_crm_process1_approve_proposal&username=cat&replaceUser=admin)

### web/json/monitoring/running/process/list

#### Description

Retrieves a list of all running process instances

#### User Role

Admin

#### Method

HTTP GET/POST

#### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- packageId - (Optional) app/package id
- processId - (Optional) process instance id
- processName - (Optional) process name
- version - (Optional) process version
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

#### Sample URL

<http://localhost:8080/jw/web/json/monitoring/running/process/list?packageId=crm&rows=3>

#### Sample Result

```
{
  "total": 16,
  "data": [
    {
      "id": "118_crm_process1",
      "serviceLevelMonitor": "-",
      "requesterId": "admin",
      "name": "Proposal Approval Process",
      "state": "open.running",
      "due": "-",
      "startedTime": "21-07-2015 03:03 AM",
      "version": "1"
    },
    {
      "id": "119_crm_process1",
      "serviceLevelMonitor": "-",
      "requesterId": "admin",
      "name": "Proposal Approval Process",
      "state": "open.running",
      "due": "-",
      "startedTime": "21-07-2015 03:03 AM",
      "version": "1"
    },
    {
      "id": "120_crm_process1",
      "serviceLevelMonitor": "-",
      "requesterId": "admin",
      "name": "Proposal Approval Process",
      "state": "open.running",
      "due": "-",
      "startedTime": "21-07-2015 03:03 AM",
      "version": "1"
    }
  ]
}
```



Description

Reevaluates all assignments of an user

User Role

Admin

Method

HTTP POST

Parameters

- username - user to be reevaluate

Sample URL

<http://localhost:8080/jw/web/json/monitoring/user/reevaluate?username=cat>

## SLA

[web/json/workflow/activity/sla/list](http://localhost:8080/jw/web/json/workflow/activity/sla/list)

Description

Retrieve first process with details of every packages

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- appld - (Optional) app definition id
- appVersion - (Optional) app definition version
- processDefid - (Optional) process definition id without package id and version

Sample URL

<http://localhost:8080/jw/web/json/workflow/activity/sla/list?appld=crm>

Sample Result

```

{
  "total": 3,
  "data": [{
    "ratioOnTime": 100,
    "activityDefId": "approval",
    "serviceLevelMonitor": "<span class='dot_green'>&nbsp;</span>",
    "minDelay": 0,
    "ratioWithDelay": 0,
    "maxDelay": 0,
    "activityName": "Approval"
  }, {
    "ratioOnTime": 100,
    "activityDefId": "parallel",
    "serviceLevelMonitor": "<span class='dot_green'>&nbsp;</span>",
    "minDelay": 0,
    "ratioWithDelay": 0,
    "maxDelay": 0,
    "activityName": "Parallel"
  }, {
    "ratioOnTime": 100,
    "activityDefId": "route1",
    "serviceLevelMonitor": "<span class='dot_green'>&nbsp;</span>",
    "minDelay": 0,
    "ratioWithDelay": 0,
    "maxDelay": 0,
    "activityName": "Route 1"
  }
  ]
}

```

## Audit Trail

web/json/workflow/audittrail/list

### Description

Retrieves a list of audit trail

### User Role

Admin

### Method

HTTP GET/POST

### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- dateFrom - (Optional) date start for filtering. Format is yyyy-MM-dd
- dateTo - (Optional) date to for filtering. Format is yyyy-MM-dd
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

### Sample URL

http://localhost:8080/jw/web/json/workflow/audittrail/list?rows=5

### Sample Result

```

{
  "total": 3225,
  "data": [{
    "timestamp": "25-06-2015 07:41 AM",
    "message": "Authentication for user admin: true",
    "id": "2c90a1574e29523a014e29aa77590000",
    "username": "anonymousUser",
    "method": "authenticate",
    "clazz": "org.joget.apps.workflow.security.WorkflowAuthenticationProvider"
  }, {
    "timestamp": "25-06-2015 08:41 AM",
    "message": "Authentication for user admin: true",
    "id": "2c90a1574e29e104014e29e178080000",
    "username": "anonymousUser",
    "method": "authenticate",
    "clazz": "org.joget.apps.workflow.security.WorkflowAuthenticationProvider"
  }, {
    "timestamp": "25-06-2015 08:55 AM",
    "message": "testProcess",
    "id": "2c90a1574e29e81c014e29eddb7a0000",
    "username": "admin",
    "method": "processUpload",
    "clazz": "org.joget.workflow.model.service.WorkflowManagerImpl"
  }, {
    "timestamp": "25-06-2015 08:55 AM",
    "message": "50_testProcess_process1",
    "id": "2c90a1574e29e81c014e29eddecf0001",
    "username": "anonymousUser",
    "method": "processCompleted",
    "clazz": "org.joget.workflow.model.service.WorkflowManagerImpl"
  }, {
    "timestamp": "25-06-2015 08:55 AM",
    "message": "50_testProcess_process1",
    "id": "2c90a1574e29e81c014e29edded80002",
    "username": "anonymousUser",
    "method": "processCompleted",
    "clazz": "org.joget.workflow.model.service.WorkflowManagerImpl"
  }
  ]
}

```

## Directory

web/json/directory/admin/dept/list

Description

Retrieves all department

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method

- name - (Optional) name filter
- orgId - (Optional) organization id
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

Sample URL

<http://localhost:8080/jw/web/json/directory/admin/dept/list>

Sample Result

```
{
  "total": 7,
  "data": [{
    "id": "D-001",
    "description": "",
    "name": "CEO Office",
    "organization.name": "Joget.Org",
    "parent.name": ""
  }, {
    "id": "D-002",
    "description": "",
    "name": "Human Resource and Admin",
    "organization.name": "Joget.Org",
    "parent.name": ""
  }, {
    "id": "D-003",
    "description": "",
    "name": "Finance",
    "organization.name": "Joget.Org",
    "parent.name": ""
  }, {
    "id": "D-004",
    "description": "",
    "name": "Marketing",
    "organization.name": "Joget.Org",
    "parent.name": ""
  }, {
    "id": "D-005",
    "description": "",
    "name": "Product Development",
    "organization.name": "Joget.Org",
    "parent.name": ""
  }, {
    "id": "D-006",
    "description": "",
    "name": "Training and Consulting",
    "organization.name": "Joget.Org",
    "parent.name": ""
  }, {
    "id": "D-007",
    "description": "",
    "name": "Support and Services",
    "organization.name": "Joget.Org",
    "parent.name": ""
  }
  ]
}
```

## web/json/directory/admin/employment/list

### Description

Retrieves all user with employment details

### User Role

Admin

### Method

HTTP GET/POST

### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- name - (Optional) name filter
- orgId - (Optional) organization id
- deptId - (Optional) department id
- gradeId - (Optional) grade id
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

### Sample URL

<http://localhost:8080/jw/web/json/directory/admin/employment/list?name=j>

### Sample Result

```
{
  "total": 2,
  "data": [
    {
      "grade.name": "Managers",
      "user.firstName": "Jack",
      "user.id": "jack",
      "role": null,
      "user.lastName": "Drake",
      "organization.name": "Joget.Org",
      "employeeCode": null,
      "user.username": "jack",
      "department.name": "Training and Consulting"
    },
    {
      "grade.name": "Executives",
      "user.firstName": "Julia",
      "user.id": "julia",
      "role": null,
      "user.lastName": "Kapatelis",
      "organization.name": "Joget.Org",
      "employeeCode": null,
      "user.username": "julia",
      "department.name": "Human Resource and Admin"
    }
  ]
}
```

## web/json/directory/admin/employment/noHaveOrganization/list

### Description

Retrieves all users not belong to any organization

### User Role

Admin

#### Method

HTTP GET/POST

#### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- name - (Optional) name filter
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

#### Sample URL

<http://localhost:8080/jw/web/json/directory/admin/employment/noHaveOrganization/list>

#### Sample Result

```
{
  "total": 1,
  "data": {
    "user.firstName": "Admin",
    "user.id": "admin",
    "role": "",
    "user.lastName": "",
    "employeeCode": "",
    "user.username": "admin"
  }
}
```

#### web/json/directory/admin/employment/noInDept/list

#### Description

Retrieves all users not belong to a department

#### User Role

Admin

#### Method

HTTP GET/POST

#### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- name - (Optional) name filter
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

#### Sample URL

<http://localhost:8080/jw/web/json/directory/admin/employment/noInDept/list?orgId=ORG-001&deptId=D-003&name=j>

#### Sample Result

```
{
  "total": 3,
  "data": [
    {
      "grade.name": "Executives",
      "user.firstName": "Cat",
      "user.id": "cat",
      "role": "",
      "user.lastName": "Grant",
      "employeeCode": "",
      "user.username": "cat",
      "department.name": "Product Development"
    },
    {
      "grade.name": "Managers",
      "user.firstName": "Jack",
      "user.id": "jack",
      "role": null,
      "user.lastName": "Drake",
      "employeeCode": null,
      "user.username": "jack",
      "department.name": "Training and Consulting"
    },
    {
      "grade.name": "Executives",
      "user.firstName": "Julia",
      "user.id": "julia",
      "role": null,
      "user.lastName": "Kapatelis",
      "employeeCode": null,
      "user.username": "julia",
      "department.name": "Human Resource and Admin"
    }
  ]
}
```

web/json/directory/admin/employment/noInGrade/list

#### Description

Retrieves all users not belong to a grade

#### User Role

Admin

#### Method

HTTP GET/POST

#### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- name - (Optional) name filter
- orgId - Organization id
- gradeId - Grade id
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

#### Sample URL

<http://localhost:8080/jw/web/json/directory/admin/employment/noInGrade/list?orgId=ORG-001&gradeId=G-003&name=c>

#### Sample Result

```
{
  "total": 3,
  "data": [{
    "grade.name": "Managers",
    "user.firstName": "Clark",
    "user.id": "clark",
    "role": null,
    "user.lastName": "Kent",
    "employeeCode": null,
    "user.username": "clark",
    "department.name": "Product Development"
  }, {
    "grade.name": "Managers",
    "user.firstName": "Jack",
    "user.id": "jack",
    "role": null,
    "user.lastName": "Drake",
    "employeeCode": null,
    "user.username": "jack",
    "department.name": "Training and Consulting"
  }, {
    "grade.name": "Managers",
    "user.firstName": "David",
    "user.id": "david",
    "role": null,
    "user.lastName": "Cain",
    "employeeCode": null,
    "user.username": "david",
    "department.name": "Support and Services"
  }
  ]
}
```

## web/json/directory/admin/group/list

### Description

Retrieves all groups

### User Role

Admin

### Method

HTTP GET/POST

### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- name - (Optional) name filter
- orgId - (Optional) organization id for filter
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

### Sample URL

<http://localhost:8080/jw/web/json/directory/admin/group/list>

### Sample Result



```
{
  "total": 3,
  "data": [{
    "id": "G-001",
    "description": "",
    "name": "Managers",
    "organization.name": ""
  }, {
    "id": "G-002",
    "description": "",
    "name": "CxO",
    "organization.name": ""
  }, {
    "id": "G-003",
    "description": "",
    "name": "hrAdmin",
    "organization.name": ""
  }
  ]
}
```

web/json/directory/admin/grade/list

Description

Retrieves all grades

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- name - (Optional) name filter
- orgId - (Optional) Organization Id for filter
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

Sample URL

<http://localhost:8080/jw/web/json/directory/admin/grade/list>

Sample Result

```
{
  "total": 3,
  "data": [{
    "id": "G-001",
    "description": "",
    "name": "Board Members"
  }, {
    "id": "G-002",
    "description": "",
    "name": "Managers"
  }, {
    "id": "G-003",
    "description": "",
    "name": "Executives"
  }
  ]
}
```

#### web/json/directory/admin/organization/list

Description

Retrieves all organizations

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- name - (Optional) name filter
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

Sample URL

<http://localhost:8080/jw/web/json/directory/admin/organization/list>

Sample Result

```
{
  "total": 1,
  "data": {
    "id": "ORG-001",
    "description": "",
    "name": "Joget.Org"
  }
}
```

#### web/json/directory/admin/subdept/list

Description

Retrieves all sub department of a department

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- name - (Optional) name filter
- deptId - department id
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

Sample URL

<http://localhost:8080/jw/web/json/directory/admin/subdept/list?deptId=D-001>

Sample Result

```
{
  "total": 1,
  "data": {
    "id": "sub",
    "description": "",
    "name": "Sub Department"
  }
}
```

[web/json/directory/admin/user/deptAndGrade/options](http://localhost:8080/jw/web/json/directory/admin/user/deptAndGrade/options)

Description

Retrieves all departments and grades in an organization

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- orgId - Organization id

Sample URL

<http://localhost:8080/jw/web/json/directory/admin/user/deptAndGrade/options?orgId=ORG-001>

Sample Result

```
{
  "departments": [{
    "id": "",
    "name": "",
    "prefix": ""
  }, {
    "id": "D-001",
    "prefix": "",
    "name": "CEO Office"
  }, {
    "id": "D-003",
    "prefix": "",
    "name": "Finance"
  }, {
    "id": "D-002",
    "prefix": "",
    "name": "Human Resource and Admin"
  }, {
    "id": "D-004",
    "prefix": "",
    "name": "Marketing"
  }, {
    "id": "D-005",
    "prefix": "",
    "name": "Product Development"
  }, {
    "id": "D-007",
    "prefix": "",
    "name": "Support and Services"
  }, {
    "id": "D-006",
    "prefix": "",
    "name": "Training and Consulting"
  }
  ],
  "grades": [{
    "id": "",
    "name": "",
    "prefix": ""
  }, {
    "id": "G-001",
    "name": "Board Members"
  }, {
    "id": "G-003",
    "name": "Executives"
  }, {
    "id": "G-002",
    "name": "Managers"
  }
  ]
}
```

web/json/directory/admin/user/group/list

Description

Retrieves the groups that a user is in or not in.

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- name - (Optional) name filter
- userid - Username that a user is in or not in the group
- orgId - (Optional)
- inGroup - (Optional) true or false. default to true
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

Sample URL

<http://localhost:8080/jw/web/json/directory/admin/user/group/list?userId=admin>

Sample Result

```
{
  "total": 1,
  "data": {
    "id": "G-001",
    "description": "",
    "name": "Managers",
    "organization.name": ""
  }
}
```

[web/json/directory/admin/user/list](http://localhost:8080/jw/web/json/directory/admin/user/list)

Description

Retrieves a list of users

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- name - (Optional) name filter
- orgId - (Optional) Organization id for filter
- deptId - (Optional) Department id for filter
- gradeId - (Optional) Grade id for filter
- groupId - (Optional) Group id for filter
- roleId - (Optional) Role id for filter
- active - (Optional) 1 = active, 0 = not active
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

Sample URL

<http://localhost:8080/jw/web/json/directory/admin/user/list?groupId=G-002>

Sample Result

```
{
  "total": 1,
  "data": {
    "id": "terry",
    "lastName": "Berg",
    "username": "terry",
    "email": "",
    "active": "Active",
    "firstName": "Terry"
  }
}
```

## web/json/directory/admin/user/notInGroup/list

### Description

Retrieves a list of user not in a group

### User Role

Admin

### Method

HTTP GET/POST

### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- name - (Optional) name filter
- groupid - Group id for filter
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

### Sample URL

<http://localhost:8080/jw/web/json/directory/admin/user/notInGroup/list?groupid=G-002>

### Sample Result

```
{
  "total": 4,
  "data": [{
    "id": "admin",
    "lastName": "",
    "username": "admin",
    "email": "",
    "firstName": "Admin"
  }, {
    "id": "cat",
    "lastName": "Grant",
    "username": "cat",
    "email": "owen@joget.org",
    "firstName": "Cat"
  }, {
    "id": "clark",
    "lastName": "Kent",
    "username": "clark",
    "email": "",
    "firstName": "Clark"
  }, {
    "id": "david",
    "lastName": "Cain",
    "username": "david",
    "email": "",
    "firstName": "David"
  }]
}
```

## web/json/directory/user/sso

### Description

To single sign on a user

### User Role

Anonymous

### Method

HTTP GET/POST, support HTTP basic authentication

### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- j\_username - (Optional) username for login
- j\_password - (Optional) password for login
- hash - (Optional) Hashed Password

### Sample URL

http://localhost:8080/jw/web/json/directory/user/sso?j\_username=admin&j\_password=admin

### Sample Result

```
{"username":"admin","isAdmin":true,"token":"OWASP_CSRFTOKEN=7BKT-GL1V-Y5LR-T3JJ-41W2-JRBL-CCDB-7C03"}
```

## web/json/workflow/currentUsername

Description

Retrieves the username of current logged in user

User Role

Admin

Method

HTTP GET/POST

Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method

Sample URL

<http://localhost:8080/jw/web/json/workflow/currentUsername>

Sample Result

```
{"username":"admin"}
```

## Plugin

### web/json/plugin/list

Description

Retrieves a list of plugins

User Role

Admin

Method

HTTP GET/POST

Parameters

- className - (Optional) class name of plugin type abstract class or interface
- start - where rows start from
- rows - number of rows per page

Sample URL

<http://localhost:8080/jw/web/json/plugin/list?start=0&rows=5>

Sample Result



```
{
  "total": 140,
  "start": 0,
  "data": [
    {
      "id": "org.joget.plugin.enterprise.AjaxSubForm",
      "description": "AJAX Subform Element",
      "name": "AJAX Subform",
      "version": "5.0.0"
    },
    {
      "id": "org.joget.plugin.enterprise.AdminUserviewPermission",
      "description": "",
      "name": "Is Admin",
      "version": "5.0.0"
    },
    {
      "id": "org.joget.plugin.enterprise.AdvancedFormRowDataListBinder",
      "description": "Retrieves data rows from a form table.",
      "name": "Advanced Form Data Binder",
      "version": "5.0.0"
    },
    {
      "id": "org.joget.plugin.enterprise.AdvancedGrid",
      "description": "Advanced Grid Element",
      "name": "Advanced Grid",
      "version": "5.0.0"
    },
    {
      "id": "org.joget.plugin.enterprise.AnonymousUserviewPermission",
      "description": "",
      "name": "Is Anonymous",
      "version": "5.0.0"
    }
  ]
}
```

## web/json/plugin/listOsgi

### Description

Retrieves a list of OSGI plugins

### User Role

Admin

### Method

HTTP GET/POST

### Parameters

- className - (Optional) class name of plugin type abstract class or interface
- start - where rows start from
- rows - number of rows per page

### Sample URL

<http://localhost:8080/jw/web/json/plugin/listOsgi?start=0&rows=10>

### Sample Result

```
{
  "total": 1,
  "start": 0,
  "data": {
    "id": "test.directory.TestDirectoryManager",
    "description": "Test Directory Manager",
    "name": "Test Directory Manager",
    "version": "1.0.0"
  }
}
```

## web/property/json/getElements

### Description

Retrieves options of plugins based on a plugin type abstract class or interface

### User Role

Admin

### Method

HTTP GET/POST

### Parameters

- classname - class name of plugin type abstract class or interface

### Sample URL

<http://localhost:8080/jw/web/property/json/getElements?classname=org.joget.plugin.base.DefaultApplicationPlugin>

### Sample Result

```
[[
  "value": "",
  "label": ""
}, {
  "value": "org.joget.apps.app.lib.DatabaseUpdateTool",
  "label": "Database Update Tool"
}, {
  "value": "org.joget.apps.app.lib.EmailTool",
  "label": "Email Tool"
}, {
  "value": "org.joget.apps.app.lib.JsonTool",
  "label": "Json Tool"
}]
```

## web/property/json/getPropertyOptions

### Description

Retrieves the Plugin Properties Options of a plugin

### User Role

Admin

### Method

HTTP GET/POST

#### Parameters

- value - Plugin class name

#### Sample URL

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

#### Sample Result

```
[[
  title: 'Configure Bean Shell',
  properties: [[
    name: 'script',
    label: 'Script',
    type: 'codeeditor',
    required: 'True',
    mode: 'java'
  ]]
]]
```

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

#### Description

Retrieves the default Plugin Properties Options of a plugin based on App Definition meta

#### User Role

Admin

#### Method

HTTP GET/POST

#### Parameters

- appld - App Definition Id
- version - (Optional) App Definition version
- value - Plugin class name

#### Sample URL

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

#### Sample Result

```
{
  "host": "smtp.gmail.com",
  "port": "456",
  "security": "SSL",
  "username": "test@gmail.com",
  "password": "test",
  "from": "test@gmail.com",
  "toSpecific": "",
  "toParticipantId": "",
  "cc": "",
  "bcc": "",
  "subject": "",
  "message": "",
  "isHtml": "",
  "formDefId": "",
  "fields": [],
  "files": []
}
```

## web/property/json/{\*:appld}/(::~version)/getPropertyOptions

### Description

Retrieves the [Plugin Properties Options](#) of a plugin with App Definition meta

### User Role

Admin

### Method

HTTP GET/POST

### Parameters

- appld - App Definition Id
- version - (Optional) App Defintion version
- value - Plugin class name

### Sample URL

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

### Sample Result

```
[[
  title: 'Configure Bean Shell',
  properties: [[
    name: 'script',
    label: 'Script',
    type: 'codeeditor',
    required: 'True',
    mode: 'java'
  ]]
]]
```

## web/json/apps/verify

### Description

Verifies a URL is valid

### User Role

Admin

### Method

HTTP HEAD

### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- url - URL to test

### Sample URL

<http://localhost:8080/jw/web/json/apps/verify?url=http%3A%2F%2Fwww.joget.org>

## web/json/console/setting/message/list

### Description

Retrieves all messages added in [Manage Messages](#)

### User Role

Admin

### Method

HTTP GET/POST

### Parameters

- callback - (Optional) a function (in JavaScript) to call back after invoking this method
- filter - (Optional) string to filter the results
- locale - (Optional) language code to filter the results
- sort - (Optional) column name to be sorted
- desc - (Optional) Boolean value to determine whether to sort by ascending or descending order (true equals to descending)
- start - (Optional) where rows start from
- rows - (Optional) number of rows per page

### Sample URL

<http://localhost:8080/jw/web/json/console/setting/message/list>

### Sample Result

```
{"total":1,"data":{"message":"","id":"402880824fb19a77014fb5025ed80002","locale":"zh_CN","key":"general.method.label.search"}}
```

## web/json/hash/options

### Description

Retrieves all available Hash Variable syntax

### User Role

Admin

### Method

HTTP GET/POST

### Sample URL

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

### Sample Result

```
["assignment.activityDefId", "assignment.activityId", "assignment.activityName", "assignment.assignedId", "assignment.processDefId", "assignment.processId",
"assignment.processName", "assignment.processRequesterId", "assignment.processVersion", "currentUser.active", "currentUser.email", "currentUser.firstName",
"currentUser.lastName", "currentUser.timeZone", "currentUser.username", "date.DAY+INTEGER.FORMAT", "date.DAY-INTEGGER.FORMAT", "date.FORMAT",
"date.MONTH+INTEGER.FORMAT",
"date.MONTH-INTEGGER.FORMAT", "date.YEAR+INTEGER.FORMAT", "date.YEAR-INTEGGER.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", "request.characterEncoding", "request.contextPath", "request.header.NAME", "request.locale",
"request.method", "request.pathInfo", "request.protocol", "request.queryString", "request.remoteAddr", "request.requestURI", "request.requestURL",
"request.requestedSessionId",
"request.scheme", "request.serverName", "request.serverPort", "request.servletPath", "requestParam.KEY", "user.USERNAME.active", "user.USERNAME.email",
"user.USERNAME.firstName",
"user.USERNAME.lastName", "user.USERNAME.timeZone", "variable.KEY"]
```

## web/json/workflow/testConnection

### Description

To tests a JDBC connection

### User Role

Admin

### Method

HTTP GET/POST

### Parameters

- datasource - Profile name. Not used.
- driver - driver name
- url - connection URL
- user - username
- password - password
- callback - (Optional) a function (in JavaScript) to call back after invoking this method

### Sample URL

<http://localhost:8080/jw/web/json/workflow/testConnection?datasource=default&driver=com.mysql.jdbc.Driver&url=jdbc%3A%2Flocalhost%3A3306%2Fjwdb%3FcharacterEncoding%3DUtf-8&user=root&password=>

### Sample Result

```
{"success":true,"datasource":"default"}
```

## Form Data API

### web/json/data/form/load/(\*:appld)/(\*:formId)/(\*:primaryKeyValue)

### Description

Load a specific form record

### User Role

Admin

### Method

HTTP GET/POST

### Parameters

- appld - App definition ID

- formId - Form definition ID
- primaryKeyValue - The primary key value for the form record
- includeSubformData - Optional, set to true to recursively include subform data
- includeReferenceElements - Optional, set to true to include data from reference elements e.g. selectbox, etc.
- flatten - Optional, set to true to flatten data into a one level key-value map

Sample URL

[http://localhost:8080/jw/web/json/data/form/load/crm/crm\\_account/001](http://localhost:8080/jw/web/json/data/form/load/crm/crm_account/001)

Sample cURL Request

```
curl -v -d "j_username=admin&j_password=admin"
"http://localhost:8080/jw/web/json/data/form/load/crm/crm_account/001?includeSubformData=true&includeReferenceElements=true&flatten=true"
```

Sample Response

```
{
  "country": "",
  "dateCreated": "27-07-2015 04:26 AM",
  "address": "",
  "accountName": "001",
  "city": "",
  "dateModified": "20-10-2016 04:36 AM",
  "id": "001",
  "state": ""
}
```

[web/json/data/form/store/\(\\*:appld\)/\(\\*:formId\)/\(\\*:primaryKeyValue\)](http://localhost:8080/jw/web/json/data/form/store/(*:appld)/(*:formId)/(*:primaryKeyValue))

Description

Create or update a form record

User Role

Admin

Method

HTTP POST

Parameters

- appld - App definition ID
- formId - Form definition ID
- primaryKeyValue - The primary key value for the form record

Sample URL

[http://localhost:8080/jw/web/json/data/form/store/crm/crm\\_account/001](http://localhost:8080/jw/web/json/data/form/store/crm/crm_account/001)

Sample cURL Request

```
curl -v -X POST -d "j_username=admin&j_password=admin&accountName=001%Updated&address=001%20Address"
http://localhost:8080/jw/web/json/data/form/store/crm/crm_account/001
```

or

```
curl -v --header "Authorization: Basic YWRtaW46YWRtaW4=" -F "accountName=001 Updated" -F "address=001 Address"
http://localhost:8080/jw/web/json/data/form/store/crm/crm_account/001
```

Sample Response

```
{
  "id": "001"
}
```

web/json/data/form/delete/{\*:appld}/{\*:formId}/{\*:primaryKeyValue}

Description

Delete an existing form record

User Role

Admin

Method

HTTP POST

Parameters

- appld - App definition ID
- formId - Form definition ID
- primaryKeyValue - The primary key value for the form record

Sample URL

[http://localhost:8080/jw/web/json/data/form/delete/crm/crm\\_account/001](http://localhost:8080/jw/web/json/data/form/delete/crm/crm_account/001)

Sample cURL Request

```
curl -v -X POST -d "j_username=admin&j_password=admin" http://localhost:8080/jw/web/json/data/form/delete/crm/crm_account/001
```

Sample Response

```
{
  "id": "001"
}
```

## List Data API

web/json/data/list/{\*:appld}/{\*:listId}

Description

Load records from a specific datalist

User Role

Admin

Method

HTTP GET/POST

Parameters

- appld - App definition ID
- listId - Datalist definition ID
- start - Optional start index (begins at 0)
- rows - Optional number of rows to return
- URL Request Parameter - Optional filters (e.g. d-5043735-fn\_accountName)

Sample URL

[http://localhost:8080/jw/web/json/data/list/crm/crm\\_account\\_list](http://localhost:8080/jw/web/json/data/list/crm/crm_account_list)



#### Sample cURL Request

```
curl -v -d "j_username=admin&j_password=admin" http://localhost:8080/jw/web/json/data/list/crm/crm_account_list?start=0&rows=20&d-5043735-fn_accountName=00
```

#### Sample Response

##### Important Note

The returned attribute "total" will give the the total number of records regardless of the filters applied unless the attribute "Consider filter value when get total size?" is checked in the datalist.

```
{
  "total": 5,
  "data": [{
    "country": "",
    "accountName": "001 Updated",
    "id": "001",
    "state": ""
  }, {
    "country": "",
    "accountName": "002",
    "id": "002",
    "state": ""
  }, {
    "country": "",
    "accountName": "003",
    "id": "003",
    "state": ""
  }]
}
```