

JSON API



v5, " "API"JSON API HTTP 400

Form Data APIList Data APIJoget Workflow v6

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 - web/json/directory/admin/organization/list
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 - web/json/data/list/(*:appld)/(~:listId)

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

Admin

HTTP GET/POST

- appld - ID
- -
- formId - ID

URL

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

```
[{
  "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`

Admin

HTTP POST

- ☐ callback - JavaScript
- ☐ plugin -
- ☐ appld - ID
- ☐ -
- ☐ formId - ID

URL

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

```
{
  "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`

URL

Admin

HTTP POST

- callback - JavaScript
- _

URL

http://localhost:8080/jw/web/json/apps/install?url= http%3A%2F%2Fwww.joget.org%2Fdownloads%2Fsimple_crm.jwa

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

web/json/apps/published/processes

Method

HTTP GET/POST

- callback - JavaScript
- appId - ID

URL

http://localhost:8080/jw/web/json/apps/published/processes?appId=crm

```
{
  "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

Method

HTTP GET/POST

- callback - JavaScript
- appld - ID

URL

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

```
{
  "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

Admin

Method

HTTP GET/POST

- callback - JavaScript
- -
- -
- desc - true
- -
- -

URL

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

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

web/json/console/app/*:appld/version/list

Admin

Method

HTTP GET/POST

- ☐ callback - JavaScript
- ☐ appld - ID
- ☐ -
- ☐ desc - true
- ☐ -
- ☐ -

URL

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

```
{
  "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

Datalist Actions

Admin

Method

HTTP GET/POST

- appld - ID
- version-

URL

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

```
{
  "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', : 'URL (Eg. http:\\\\www.google.
com)' }, { label : 'Hyperlink Target', name : 'target', type :
'selectbox', : '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 : '', label : 'Hyperlink ', type :
'gridCombine', columns : [{ key : 'hrefParam', label : 'Parameter Name'
}, { key : 'hrefColumn', label : 'Column Name' } ] }, {
label : 'Label', name : 'label', type : 'textfield', : '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/(*:appld)/(~:version)/envVariable/list

Admin

Method

HTTP GET/POST

- callback - JavaScript
- appld - ID

- version -
- filter -id
- sort -
- desc - true
- start -
- rows -

URL

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

```
{
  "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](http://localhost:8080/jw/web/json/console/app/(*:appld)/(~:version)/datalist/list)

Admin

Method

HTTP GET/POST

- callback - JavaScript
- appld - ID
- version -
- filter -
- sort -
- desc - true
- start -
- rows -

URL

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


```
{
  "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

value-table

Admin

HTTP GET/POST

- ☐ callback - JavaScript
- ☐ appld - ID
- ☐ version -
- ☐ sort -
- ☐ desc - true
- ☐ start -
- ☐ rows -

URL

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

```
[{
  "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

Admin

HTTP GET/POST

- callback -JavaScript
- appld -ID
- version -

URL

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

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

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

Admin

HTTP GET/POST

- callback - JavaScript
- appld - ID
- version -
- name -
- sort -
- desc - true
- start -
- rows -

URL

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

```

{
  "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

value-table

Admin

HTTP GET/POST

- ☐ callback - JavaScript
- ☐ appld - ID
- ☐ version -

URL

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

```
[{
  "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/(*:appId)/(~:version)/package/deploy

XPD

Admin

HTTP POST

- ☐ callback - JavaScript
- ☐ appId - ID
- ☐ version -
- ☐ packageXpd - XPD

URL

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

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

web/json/console/app/(*:appId)/(~:version)/package/xpd

XPD

Admin

HTTP GET/POST

- appld -ID
- version -

URL

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

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

Admin

Method

HTTP GET/POST

- callback - JavaScript
- appld - ID
- version -
- filter -
- sort -
- desc - true
- start -
- rows -

URL

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

```
{
  "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

i18n

Admin

Method

HTTP GET/POST

- callback - JavaScript
- appld - ID
- version -
- filter - id

- locale -
- sort -
- desc - true
- start -
- rows -

URL

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

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

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

Admin

Method

HTTP GET/POST

- callback - JavaScript
- appid - ID
- version -
- filter -
- sort -
- desc - true
- start -
- rows -

URL

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

```
{
  "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/*:appid/(~:version)/userview/options

value-tableuserview

Admin

Method

HTTP GET/POST

- ☐ callback - JavaScript
- ☐ appld - ID
- ☐ version -
- ☐ sort -
- ☐ desc - true
- ☐ start -
- ☐ rows -

URL

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

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

web/json/workflow/package/list

packageapp

Admin

HTTP GET/POST

- ☐ callback - JavaScript

URL

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

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

web/json/workflow/assignment/accept/{*:activityId}



v3

HTTP POST

- callback - JavaScript
- activityId - ID

URL

http://localhost:8080/jw/web/json/workflow/assignment/accept/879_223_crm_process1_approve_proposal

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

web/json/workflow/assignment/complete/*:activityId)

HTTP POST

- callback - JavaScript
- activityId - ID

URL

http://localhost:8080/jw/web/json/workflow/assignment/complete/879_223_crm_process1_approve_proposal

```
{
  "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 POST

- callback - JavaScript
- activityId - ID
- var_* - "var_"

URL

http://localhost:8080/jw/web/json/workflow/assignment/complete/879_223_crm_process1_approve_proposal?var_status=Sent

```
{
  "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

HTTP GET/POST

- callback - JavaScript
- packageId - ID
- processDefId - ID
- processId -ID
- sort -
- desc - true
- start -
- rows -

URL

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

```

{
  "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

Method

HTTP GET/POST

- callback - JavaScript
- packageId - ID
- processDefId - ID
- processId - ID

URL

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

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

web/json/workflow/assignment/list/accepted



v3

Method

HTTP GET/POST

- callback - JavaScript
- processId - ID
- sort -
- desc - true
- start -
- rows -

URL

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

```

{
  "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



v3

Method

HTTP GET/POST

☐ callback - JavaScript

URL

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

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

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



v3

Method

HTTP GET/POST

- ☐ callback - JavaScript

URL

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

```
{
  "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

Method

HTTP GET/POST

- ☐ callback - JavaScript
- ☐ processId -ID
- ☐ sort -
- ☐ desc - true
- ☐ start -
- ☐ rows -

URL

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

```

{
  "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

HTTP GET/POST

○ callback - JavaScript

URL

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

```

{"total":3}

```

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

Method

HTTP GET/POST

- callback - JavaScript

URL

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

```
{
  "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)

HTTP GET/POST

- callback - JavaScript
- processId - ID

URL

http://localhost:8080/jw/web/json/workflow/assignment/process/view/208_crm_process1

```
{
  "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}



v3

Method

HTTP POST

- callback - JavaScript
- activityId - ID

URL

http://localhost:8080/jw/web/json/workflow/assignment/withdraw/879_223_crm_process1_approve_proposal

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

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

Method

HTTP POST

- callback - JavaScript
- activityId - ID
- variable -
- value -

URL

http://localhost:8080/jw/web/json/workflow/assignment/variable/843_208_crm_process1_send_proposal/status?value=test

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

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

assignment

Method

HTTP GET/POST

- callback - JavaScript
- activityId - id

URL

http://localhost:8080/jw/web/json/workflow/assignment/view/843_208_crm_process1_send_proposal

```
{
  "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}

Aborts a running process instance

Admin

HTTP POST

- callback - JavaScript
- processId - Process instance id

URL

http://localhost:8080/jw/web/json/workflow/process/abort/208_crm_process1

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

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

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

Admin

HTTP GET/POST

- callback - JavaScript
- processDefId - Process Definition Id (Replace '#' with ':' in the id)

URL

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

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

web/json/workflow/process/list

Retrieves process list

Admin

HTTP GET/POST

- callback - JavaScript
- allVersion - (Optional) "yes" to load all versions, "no" to load latest version
- packageId - (Optional) package id (App id)
- sort -
- desc - true
- start -
- rows -
- checkWhiteList - (Optional true/false) to return the list based on process white list

URL

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

```

{
  "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_wpl",
    "packageName": "Mdec Work Progress",
    "name": "mdec_wpl",
    "packageId": "mdec_v1002",
    "label": "mdec_wpl 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

Retrieve first process with details of every packages

Admin

HTTP GET/POST

- callback - JavaScript
- checkWhiteList - (Optional) Boolean value to return the list based on process white list

URL

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

```
{
  "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)

Starts a process based on process start whitelist

Method

HTTP POST

- callback - JavaScript
- processDefId - Process Definition Id (Replace '#' with ':' in the id)
- processInstanceId - (Optional) used to start the previous created but haven't start process instance



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.

- recordId - (Optional) used to start a process instance with existing record
- var_* - (Optional) prefixed with "var_" will be used to set workflow variable

URL

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

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

web/json/workflow/process/variable/(*:processId)/(*:variable)

Sets workflow variable of a process instance

Admin

Method

HTTP POST

- callback - JavaScript
- processId - process instance id
- variable - workflow variable name
- value - value of workflow variable to be set

URL

http://localhost:8080/jw/web/json/workflow/process/variable/208_crm_process1/status?value=test

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

web/json/workflow/process/view/(*:processId)

Retrieves information of a process definition

Admin

Method

HTTP GET/POST

- callback - JavaScript
- processId - Process Definition Id (Replace '#' with '.' in the id)

URL

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

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

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

Retrieves all variables of a process instance

Admin

Method

HTTP GET/POST

- callback - JavaScript
- processId - process instance id

URL

http://localhost:8080/jw/web/json/workflow/variable/list/208_crm_process1

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

Monitoring

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

Aborts an activity of a process instance

Admin

Method

HTTP POST

- callback - JavaScript
- processId - process instance id
- activityDefId - activity definition id

URL

http://localhost:8080/jw/web/json/monitoring/activity/abort/208_crm_process1/send_proposal

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

web/json/monitoring/activity/list

Retrieves a list of all activities

Admin

Method

HTTP GET/POST

- callback - JavaScript
- processId -ID for filtering
- sort -

- desc - true
- start -
- rows -

URL

http://localhost:8080/jw/web/json/monitoring/activity/list?processId=116_hr_expense_process1

```
{
  "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

Reassigns a user to replace another user assigned to an assignment

Admin

Method

HTTP POST

- callback - JavaScript
- username - username that will replace the assigned user
- replaceUser - username of an existing assignee of the assignment
- activityId - ID of the assignment

URL

http://localhost:8080/jw/web/json/monitoring/activity/reassign?activityId=841_206_crm_process1_send_proposal&username=admin&replaceUser=cat

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

web/json/monitoring/activity/reevaluate

Reevaluates an activity

Admin

Method

HTTP POST

- activityId - ID to be reevaluate

URL

http://localhost:8080/jw/web/json/monitoring/activity/reevaluate?activityId=841_206_crm_process1_send_proposal

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

Starts an activity in a running process instance

Admin

Method

HTTP POST

- callback - JavaScript
- processId - process instance id
- activityDefId - activity definition id
- abortCurrent - (Optional) true or false value to abort all the running activities in the process instance

URL

http://localhost:8080/jw/web/json/monitoring/activity/start/116_hr_expense_process1/verify_claim

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

web/json/monitoring/activity/variable/(*:activityId)/(*:variable)

Sets value to a workflow variable to a running activity instance

Admin

Method

HTTP POST

- callback - JavaScript
- activityId - activity instance id
- variable - workflow variable name
- value - workflow variable value

URL

http://localhost:8080/jw/web/json/monitoring/activity/variable/474_116_hr_expense_process1_approve_claim/status?value=test

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


web/json/monitoring/activity/view/(*:activityId)

Retrieves information of an activity instance

Admin

Method

HTTP GET/POST

- callback - JavaScript
- activityId - activity instance id

URL

http://localhost:8080/jw/web/json/monitoring/activity/view/474_116_hr_expense_process1_approve_claim

```
{
  "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

Retrieves a list of all completed process instances

Admin

Method

HTTP GET/POST

- callback - JavaScript
- packageId - (Optional) App/ package id
- processId -id for filtering
- processName - (Optional) process name for filtering
- sort -
- desc - true
- start -
- rows -

URL

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

```
{
  "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)

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

Admin

Method

HTTP POST

- callback - JavaScript
- 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

URL

http://localhost:8080/jw/web/json/monitoring/process/copy/116_hr_expense_process1/hr_expense:1:process1

```
{
  "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)

Sets a value to workflow variable of a process instance

Admin

Method

HTTP POST

- callback - JavaScript
- processId - process instance id
- variable - workflow variable name
- value - workflow variable value

URL

http://localhost:8080/jw/web/json/monitoring/process/variable/224_crm_process1/status?value=test

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

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

Retrieves information of a process instance

Admin

Method

HTTP GET/POST

- callback - JavaScript
- processId - process instance id

URL

http://localhost:8080/jw/web/json/monitoring/process/view/224_crm_process1

```
{
  "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

Completes a running activity

Admin

Method

HTTP POST

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

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

web/json/monitoring/running/activity/reassign

Reassigns a user to replace another user assigned to an assignment

Admin

Method

HTTP POST

- 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

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

web/json/monitoring/running/process/list

Retrieves a list of all running process instances

Admin

Method

HTTP GET/POST

- callback - JavaScript
- packageId - (Optional) app/package id
- processId -ID
- processName - (Optional) process name
- version - (Optional) process version
- sort -
- desc - true
- start -
- rows -

URL

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

```
{
  "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"
  }
  ]
}
```

web/json/monitoring/user/reevaluate

Reevaluates all assignments of an user

Admin

Method

HTTP POST

- username - user to be reevaluate

URL

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

SLA

web/json/workflow/activity/sla/list

Retrieve first process with details of every packages

Admin

Method

HTTP GET/POST

- callback - JavaScript
- appld - (Optional) app definition id
- appversion -
- processDefId - (Optional) process definition id without package id and version

URL

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

```
{
  "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

Retrieves a list of audit trail

Admin

Method

HTTP GET/POST

- callback - JavaScript
- dateFrom - (Optional) date start for filtering. Format is yyyy-MM-dd
- dateTo - (Optional) date to for filtering. Format is yyyy-MM-dd
- sort -
- desc - true
- start -
- rows -

URL

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

```

{
  "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

Retrieves all department

Admin

Method

HTTP GET/POST

- callback - JavaScript
- name -
- orgId - (Optional) organization id
- sort -
- desc - true
- start -
- rows -

URL

```
{
  "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

Retrieves all user with employment details

Admin

Method

HTTP GET/POST

- callback - JavaScript
- name -
- orgId - (Optional) organization id

- deptId - (Optional) department id
- gradeId - (Optional) grade id
- sort -
- desc - true
- start -
- rows -

URL

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

```
{
  "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

Retrieves all users not belong to any organization

Admin

Method

HTTP GET/POST

- callback - JavaScript
- name -
- sort -
- desc - true
- start -
- rows -

URL

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

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

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

Retrieves all users not belong to a department

Admin

Method

HTTP GET/POST

- callback - JavaScript
- name -
- sort -
- desc - true
- start -
- rows -

URL

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

```
{
  "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

Retrieves all users not belong to a grade

Admin

Method

HTTP GET/POST

- callback - JavaScript
- name -
- orgId - Organization id
- gradeId - Grade id
- sort -
- desc - true
- start -
- rows -

URL

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

```
{
  "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

Retrieves all groups

Admin

Method

HTTP GET/POST

- callback - JavaScript
- name -
- orgId - (Optional) organization id for filter
- sort -
- desc - true
- start -
- rows -

URL

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

```
{
  "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

Retrieves all grades

Admin

Method

HTTP GET/POST

- callback - JavaScript
- name -
- orgId - (Optional) Organization Id for filter
- sort -
- desc - true
- start -
- rows -

URL

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

```
{
  "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

Retrieves all organizations

Admin

Method

HTTP GET/POST

- callback - JavaScript
- name -
- sort -
- desc - true
- start -
- rows -

URL

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

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

web/json/directory/admin/subdept/list

Retrieves all sub department of a department

Admin

Method

HTTP GET/POST

- callback - JavaScript
- name -
- deptId - department id
- sort -
- desc - true
- start -
- rows -

URL

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

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

web/json/directory/admin/user/deptAndGrade/options

Retrieves all departments and grades in an organization

Admin

Method

HTTP GET/POST

- callback - JavaScript
- orgId - Organization id

URL

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

```

{
  "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

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

Admin

Method

HTTP GET/POST

- callback - JavaScript
- name -
- userId - Username that a user is in or not in the group
- orgId - (Optional)

- inGroup - (Optional) true or false. default to true
- sort -
- desc - true
- start -
- rows -

URL

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

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

web/json/directory/admin/user/list

Retrieves a list of users

Admin

Method

HTTP GET/POST

- callback - JavaScript
- name -
- orgId - (Optional) Organization id for filter
- deptId - (Optional) Department id for filter
- gradId - (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 -
- desc - true
- start -
- rows -

URL

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

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

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

Retrieves a list of user not in a group

Admin

Method

HTTP GET/POST

- callback - JavaScript
- name -
- groupId - Group id for filter
- sort -
- desc - true
- start -
- rows -

URL

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

```
{
  "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

To single sign on a user

Anonymous

Method

HTTP GET/POST, support HTTP basic authentication

- callback - JavaScript
- username - (Optional) username for login
- password - (Optional) password for login
- hash - (Optional) [Hashed Password](#)

URL

<http://localhost:8080/jw/web/json/directory/user/sso?username=admin&password=admin>

```
{ "username": "admin", "isAdmin": "true" }
```

web/json/workflow/currentUsername

Retrieves the username of current logged in user

Admin

Method

HTTP GET/POST

- callback - JavaScript

URL

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

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

Plugin**web/json/plugin/list**

Retrieves a list of plugins

Admin

Method

HTTP GET/POST

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

URL

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

```
{
  "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

Retrieves a list of OSGI plugins

Admin

Method

HTTP GET/POST

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

URL

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

```
{
  "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

Retrieves options of plugins based on a [plugin type abstract class or interface](#)

Admin

Method

HTTP GET/POST

- classname - class name of [plugin type abstract class or interface](#)

URL

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

```
[{
  "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

Retrieves the [options](#) of a plugin

Admin

Method

HTTP GET/POST

- value - Plugin class name

URL

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

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

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

Retrieves the default of a plugin based on App Definition meta

Admin

Method

HTTP GET/POST

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

URL

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

```
{
  "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

Retrieves the of a plugin with App Definition meta

Admin

Method

HTTP GET/POST

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

URL

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

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

System

web/json/apps/verify

Verifies a URL is valid

Admin

HTTP HEAD

- callback - JavaScript
- url - URL to test

URL

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

web/json/console/setting/message/list

Retrieves all messages added in

Admin

HTTP GET/POST

- callback - JavaScript
- filter - (Optional) string to filter the results
- locale - (Optional) language code to filter the results
- sort -
- desc - true
- start -
- rows -

URL

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

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

web/json/hash/options

Retrieves all available Hash Variable syntax

Admin

HTTP GET/POST

URL

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

```
[ "assignment.activityDefId", "assignment.activityId", "assignment.activityName", "assignment.assigneeId",
"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-
INTEGER.FORMAT", "date.FORMAT", "date.MONTH+INTEGER.FORMAT",
"date.MONTH-INTEGER.FORMAT", "date.YEAR+INTEGER.FORMAT", "date.YEAR-INTEGER.FORMAT", "envVariable.KEY", "form.
TABLE.COLUMN", "form.TABLE.COLUMN[PRIMARY_KEY]", "i18n.KEY",
"performer.ACTIVITY_DEF_ID.active", "performer.ACTIVITY_DEF_ID.email", "performer.ACTIVITY_DEF_ID.firstName",
"performer.ACTIVITY_DEF_ID.id", "performer.ACTIVITY_DEF_ID.lastName",
"performer.ACTIVITY_DEF_ID.timeZone", "performer.ACTIVITY_DEF_ID.username", "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

To tests a JDBC connection

Admin

HTTP GET/POST

- datasource - Profile name. Not used.
- driver - driver name
- url - connection URL
- user - username
- password - password
- callback - JavaScript

URL

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

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

Form Data API

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

Load a specific form record

Admin

HTTP GET/POST

- appld - 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

URL

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)

Create or update a form record

Admin

HTTP POST

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

URL

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)

Delete an existing form record

Admin

HTTP POST

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

URL

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)

Load a specific form record

Admin

HTTP GET/POST

- appld - 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**)

URL

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": ""
  }]
}
```