

WWW.JOGET.ORG

Joget Workflow

Developer Reference



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1. JSON API

/web/json/workflow/package/list

URL

/web/json/workflow/package/list

Method

HTTP GET

DESCRIPTION

Retrieve package list

Parameters

- callback - a function (in javascript) to call back after invoke this method

Sample Result

```
{
  "total":3,
  "data":[
    {"packageId":"aa"},
    {"packageId":"mdec"},
    {"packageId":"org"}
  ]
}
```

/web/json/workflow/process/list

URL

/web/json/workflow/process/list

Method

HTTP GET

DESCRIPTION

Retrieve process list

Parameters

- callback - a function (in javascript) to call back after invoke this method
- allVersion - "yes" to load all version, "no" to load latest version
- packageId - package id
- sort - column name to be sort
- desc - boolean value to determine either sort by ascending or descending (true equals to descending)
- start - rows start from
- rows - number of rows per page

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_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

URL

/web/json/workflow/process/list/package

Method

HTTP GET

DESCRIPTION

Retrieve process list for process tree

Parameters

- callback - a function (in javascript) to call back after invoke this method

Sample Result

```
{
  "data": [
    {
      "id": "mora", "count": 1, "processVersion": "5", "packageName": "MORA
Halal
Certification", "processId": "mora#5#mora_new_application", "processName": "MORA
New Application", "packageId": "mora", "label": "MORA Halal
Certification", "url": "/json/workflow/process/list?packageId=mora"},
    {
      "id": "mdec_v1002", "count": 1, "processVersion": "12", "packageName": "Mdec Work
Progress", "processId": "mdec_v1002#12#mdec_wp1", "processName": "mdec_wp1", "packa
geId": "mdec_v1002", "label": "Mdec Work
Progress", "url": "/json/workflow/process/list?packageId=mdec_v1002"},
    {
      "id": "hdc_v1001", "count": 1, "processVersion": "1", "packageName": "halal
certification", "processId": "hdc_v1001#1#hdc_certification_process", "processNam
e": "HDC Certification Process", "packageId": "hdc_v1001", "label": "halal
certification", "url": "/json/workflow/process/list?packageId=hdc_v1001"}
  ]
}
```

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

URL

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

Method

HTTP GET

DESCRIPTION

View selected process

Parameters

- callback - a function (in javascript) to call back after invoke this method
- processId - process id

Sample Result

```
{"id":"mdec%239%23mdec_preseed_rejection", "packageId":"mdec",  
  "name":"MDEC PreSeed Applicant Rejected", "version":"9"}
```

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

URL

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

Method

HTTP GET

DESCRIPTION

Start process instance

Parameters

- callback - a function (in javascript) to call back after invoke this method
- processId - process id

Sample Result

```
{"activityId":"2122_2117_CRM_newpkg1_wp1_newpkg1_wp1_act1", "processId":"2117_C  
RM_newpkg1_wp1"}
```

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

URL

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

Method

HTTP POST

DESCRIPTION

Abort process instance

Parameters

- callback - a function (in javascript) to call back after invoke this method
- processId - process id

Sample Result

```
{"id":"mdec%239%23mdec_preseed_rejection","status":"started"}
```

/web/json/workflow/package/deploy

URL

/web/json/workflow/package/deploy

Method

HTTP POST

DESCRIPTION

Workflow package deploy

Parameters

-

Sample Result

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

/web/json/workflow/package/update

URL

/web/json/workflow/package/update

Method

HTTP POST

DESCRIPTION

Workflow package update

Parameters

- packageId - package id

Sample Result

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

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

URL

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

Method

HTTP GET

DESCRIPTION

Retrieve total size of assignment pending list

Parameters

- callback - a function (in javascript) to call back after invoke this method

Sample Result

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

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

URL

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

Method

HTTP GET

DESCRIPTION

Retrieve total size of assignment accepted list

Parameters

- callback - a function (in javascript) to call back after invoke this method

Sample Result

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

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

URL

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

Method

HTTP GET

DESCRIPTION

Retrieve total size of assignment pending accepted list

Parameters

- callback - a function (in javascript) to call back after invoke this method

Sample Result

```
{"total": "1"}
```

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

URL

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

Method

HTTP GET

DESCRIPTION

Retrieve workflow assignment pending list

Parameters

- callback - a function (in javascript) to call back after invoke this method
- processId - process id
- sort - column name to be sort
- desc - boolean value to determine either sort by ascending or descending (true equals to descending)
- start - rows start from
- rows - number of rows per page

Sample Result

```
{
  "total":3,
  "desc":true,
  "sort":"dateCreated",
  "start":0,
  "data":[
    {"id":"3893_3727_mdec_v1002_mdec_wp1_mdec_wp1_work","activityId":"3893_3727_md
ec_v1002_mdec_wp1_mdec_wp1_work",
    "processVersion":"2","serviceLevelMonitor":"<span
class=\"dot_red\"></span>","processId":"3727_mdec_v1002_mdec_wp1","descriptio
n":"","processName":"mdec_wp1","due":"Fri Mar 20 13:57:37 SGT
2009","dateCreated":"Fri Mar 20 13:55:37 SGT
2009","label":"Work","activityName":"Work"},
    {"id":"4001_3731_mdec_v1002_mdec_wp1_mdec_wp1_work","activityId":"4001_3731_md
ec_v1002_mdec_wp1_mdec_wp1_work"
```

```
, "processVersion": "2", "serviceLevelMonitor": "<span
class=\"dot_red\"></span>", "processId": "3731_mdec_v1002_mdec_wp1"

, "description": "", "processName": "mdec_wp1", "due": "Fri Mar 20 14:06:22 SGT
2009", "dateCreated": "Fri Mar 20 14:04:22 SGT
2009", "label": "Work", "activityName": "Work"},

{"id": "8203_8001_mdec_v1002_mdec_wp1_mdec_wp1_review", "activityId": "8203_8001_
mdec_v1002_mdec_wp1

_mdec_wp1_review", "processVersion": "12", "serviceLevelMonitor": "<span
class=\"dot_green\"></span>", "processId": "8001_mdec_v1002_mdec_wp1", "descript
ion": "", "processName": "mdec_wp1", "due": "-", "dateCreated": "Wed Apr 08 09:14:39
SGT 2009", "label": "Review", "activityName": "Review"}

]

}
```

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

URL

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

Method

HTTP GET

DESCRIPTION

Retrieve workflow assignment accepted list

Parameters

- callback - a function (in javascript) to call back after invoke this method
- processId - process id
- sort - column name to be sort

- desc - boolean value to determine either sort by ascending or descending (true equals to descending)
- start - rows start from
- rows - number of rows per page

Sample Result

```
{
  "total":1,
  "desc":true,
  "sort":"dateCreated",
  "start":0,
  "data":[
    {"id":"8203_8001_mdec_v1002_mdec_wp1_mdec_wp1_review","activityId":"8203_8001_mdec_v1002_mdec_wp1_mdec_wp1_review",
    "processVersion":"12","serviceLevelMonitor":"<span class=\"dot_green\"></span>","processId":"8001_mdec_v1002_mdec_wp1","description":"","processName":"mdec_wp1","due":"-","dateCreated":"Wed Apr 08 09:14:39 SGT 2009","label":"Review","activityName":"Review"}
  ]
}
```

/web/json/workflow/assignment/list

URL

/web/json/workflow/assignment/list

Method

HTTP GET

DESCRIPTION

Retrieve workflow assignment pending accepted list

Parameters

- callback - a function (in javascript) to call back after invoke this method
- packageId- package id
- sort - column name to be sort
- desc - boolean value to determine either sort by ascending or descending (true equals to descending)
- start - rows start from
- rows - number of rows per page

Sample Result

```
{
  "total":1,
  "desc":true,
  "sort":"dateCreated",
  "start":0,
  "data":[
    {
      "processId":"8203_8001_mdec_v1002_mdec_wp1_mdec_wp1_review",
      "activityId":"8203_8001_mdec_v1002_mdec_wp1_mdec_wp1_review",
      "processName":"mdec_wp1",
      "activityName":"Review",
      "processVersion":"12",
      "dateCreated":"Wed Apr 08 09:14:39 SGT 2009",
      "acceptedStatus":"true",
      "due":"-",
      "serviceLevelMonitor":"<span class=\"dot_green\"></span>",
      "id":"8001_mdec_v1002_mdec_wp1",
      "label":"Review",
      "description":""
    }
  ]
}
```

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

URL

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

Method

HTTP GET

DESCRIPTION

Retrieve workflow assignment pending list for tree

Parameters

- callback - a function (in javascript) to call back after invoke this method

Sample Result

```
{
  "data": [
    {
      "id": null, "count": 6, "processVersion": "2", "processId": null, "processName": "mdec_wp1", "processDefId": "mdec_v1002#2#mdec_wp1",
      "label": "mdec_wp1 ver 2 (6)", "url": "/json/workflow/assignment/list/pending?processId=mdec_v1002%232%23mdec_wp1"},
    {
      "id": null, "count": 3, "processVersion": "3", "processId": null, "processName": "mdec_wp1", "processDefId": "mdec_v1002#3#mdec_wp1",
      "label": "mdec_wp1 ver 3 (3)", "url": "/json/workflow/assignment/list/pending?processId=mdec_v1002%233%23mdec_wp1"},
    {
      "id": null, "count": 1, "processVersion": "6", "processId": null, "processName": "mdec_wp1", "processDefId": "mdec_v1002#6#mdec_wp1",
      "label": "mdec_wp1 ver 6 (1)", "url": "/json/workflow/assignment/list/pending?processId=mdec_v1002%236%23mdec_wp1"}
  ]
}
```

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

URL

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

Method

HTTP GET

DESCRIPTION

Retrieve workflow assignment accepted list for tree

Parameters

- callback - a function (in javascript) to call back after invoke this method

Sample Result

```
{
  "data": [
    {
      "id": null, "count": 1, "processVersion": "12", "processId": null, "processName": "mdec_wp1", "processDefId": "mdec_v1002#12#mdec_wp1",
      "label": "mdec_wp1 ver 12 (1)", "url": "/json/workflow/assignment/list/accepted?processId=mdec_v1002%2312%23mdec_wp1"}
  ]
}
```

/web/json/workflow/assignment/view/(*:activityId)

URL

/web/json/workflow/assignment/view/(*:activityId)

Method

HTTP GET

DESCRIPTION

Retrieve workflow assignment view

Parameters

- callback - a function (in javascript) to call back after invoke this method
- activityId - activity id

Sample Result

```
{ "activityId": "12001_9801_service_center_newpkg1_wp1_newpkg1_wp1_act2", "processVersion": "4", "activityDefId": "newpkg1_wp1_act2", "processId": "9801_service_center_newpkg1_wp1", "assigneeId": "admin", "description": "", "processName": "Service Center Escalation Process", "dateCreated": "10-09-2009 10:45", "participant": "Level 2", "processDefId": "service_center#4#newpkg1_wp1", "variable": [{"relatedTo": ""}, {"ticketId": ""}, {"status": ""}, {"complexity": ""}, {"priority": ""}], "activityName": "Update Ticket Level 2" }
```

-

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

URL

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

Method

HTTP GET

DESCRIPTION

Retrieve workflow assignment process view

Parameters

- callback - a function (in javascript) to call back after invoke this method
- processId - process id

Sample Result

```
{"activityId":"12001_9801_service_center_newpkg1_wp1_newpkg1_wp1_act2","processVersion":"4","activityDefId":"newpkg1_wp1_act2","processId":"9801_service_center_newpkg1_wp1","assigneeId":"admin","description":"","processName":"Service Center Escalation Process","dateCreated":"10-09-2009 10:45","participant":"Level 2","processDefId":"service_center#4#newpkg1_wp1","variable":[{"relatedTo":""}, {"ticketId":""}, {"status":""}, {"complexity":""}, {"priority":""}], "activityName": "Update Ticket Level 2"}
```

-

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

URL

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

Method

HTTP GET

DESCRIPTION

Retrieve workflow assignment accept

Parameters

- callback - a function (in javascript) to call back after invoke this method
- activityId - activity id

Sample Result

-

`/web/json/workflow/assignment/withdraw/(*:activityId)`

URL

`/web/json/workflow/assignment/withdraw/(*:activityId)`

Method

HTTP GET

DESCRIPTION

Withdraw activity

Parameters

- callback - a function (in javascript) to call back after invoke this method
- activityId - activity id

Sample Result

```
{"activityId":"11002_8702_aa_aa_wp1_org_wp1_act1","status":"withdrawn"}
```

/web/json/workflow/assignment/variable/(*:activityId)/(*:variable)

URL

/web/json/workflow/assignment/variable/(*:activityId)/(*:variable)

Method

HTTP GET

DESCRIPTION

Set activity variable

Parameters

- callback - a function (in javascript) to call back after invoke this method
- activityId - activity id
- variable - variable
- value - value

Sample Result

-

/web/json/workflow/assignment/completeWithVariable/(*:activityId)

URL

/web/json/workflow/assignment/completeWithVariable/(*:activityId)

Method

HTTP GET

DESCRIPTION

Set activity variable

Variables can be passed as parameters with the var_ prefix

Parameters

- callback - a function (in javascript) to call back after invoke this method
- activityId - activity id

Sample Code

```
/web/json/workflow/assignment/completeWithVariable/1_1_act?var_id=123&var_status=approved
```

Sample Result

```
{"activityId":"2122_2117_CRM_newpkg1_wp1_newpkg1_wp1_act1","assignment":"org.joget.workflow.model.WorkflowAssignment@1b99f74","processId":"2117_CRM_newpkg1_wp1","status":"completed"}
```

-

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

URL

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

Method

HTTP GET

DESCRIPTION

Complete activity

Parameters

- callback - a function (in javascript) to call back after invoke this method
- activityId - activity id

Sample Result

```
{"status":"completed","processId":"4001_3731_mdec_v1002_mdec_wp1_mdec_wp1_work"}
```

/web/json/workflow/assignment/history

URL

/web/json/workflow/assignment/history

Method

HTTP GET

DESCRIPTION

Retrieve task history list

Parameters

- callback - a function (in javascript) to call back after invoke this method
- packageId - package id
- processId - process instance id for filter
- processName - process name for filter

- activityName - activity name for filter
- sort - column name to be sort
- desc - boolean value to determine either sort by ascending or descending (true equals to descending)
- start - rows start from
- rows - number of rows per page

Sample Result

```
{
  "total":2,
  "desc":false,
  "sort":"name",
  "start":0,
  "data":
  [
    {"activityId":"6201_5801_mdectest_newpkg1_wp1_newpkg1_wp1_act1","process
    Status":"open.running","processId":"5801_mdectest_newpkg1_wp1","processN
    ame":"mdec test process","dateCreated":"24-09-2009 11:33
    AM","activityName":"Activity","dateCompleted":"24-09-2009 11:49
    AM","version":"2"},
    {"activityId":"6203_5802_mdectest_newpkg1_wp1_newpkg1_wp1_act1","process
    Status":"open.running","processId":"5802_mdectest_newpkg1_wp1","processN
    ame":"mdec test process","dateCreated":"24-09-2009 11:52
    AM","activityName":"Activity","dateCompleted":"24-09-2009 11:54
    AM","version":"2"}
  ]
}
```

</web/json/workflow/assignment/history/activity/list>

URL

/web/json/workflow/assignment/history/activity/list

Method

HTTP GET

DESCRIPTION

Retrieve the running activity for particular process

Parameters

- callback - a function (in javascript) to call back after invoke this method
- processId - process instance
- sort - column name to be sort
- desc - boolean value to determine either sort by ascending or descending (true equals to descending)
- start - rows start from
- rows - number of rows per page

Sample Result

```
{
  "total":1,
  "desc":false,
  "sort":"name",
  "start":0,
  "data":
  [
    {"activityId":"5603_5201_helpdesk_helpdesk_process_helpdesk_process_act8", "acceptedUser":"simon", "state":"open.running", "dateCreated":"16-09-2009 01:24 AM", "assignmentUser":"simon", "activityName":"Assign to Department", "version":"7"}
  ]
}
```

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

URL

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

Method

HTTP POST

DESCRIPTION

Stop process

Parameters

- `callback` - a function (in javascript) to call back after invoke this method
- `processId` - process id

Sample Result

-

`/web/json/monitoring/running/process/list`

URL

`/web/json/monitoring/running/process/list`

Method

HTTP GET

DESCRIPTION

Retrieve running process list

Parameters

- `packageId` - package id
- `processId` - process id
- `processName` - process name
- `version` - process version
- `sort` - column name to be sort
- `desc` - boolean value to determine either sort by ascending or descending (true equals to descending)
- `start` - rows start from
- `rows` - number of rows per page

Sample Result

```
{
  "total":3,
  "desc":false,
  "sort":"name",
  "start":0,
  "data":[
    {
      "id":"3724_mdec_v1002_mdec_wp1",
      "serviceLevelMonitor":"<span class=\"dot_red\"></span>",
      "name":"mdec_wp1",
      "state":"open.running",
      "due":"Fri Mar 20 14:01:27 SGT 2009",
      "startedTime":"Fri Mar 20 13:51:27 SGT 2009",
      "version":"2"},
    {
      "id":"3725_mdec_v1002_mdec_wp1",
      "serviceLevelMonitor":"<span class=\"dot_red\"></span>",
      "name":"mdec_wp1",
      "state":"open.running",
      "due":"Fri Mar 20 14:03:16 SGT 2009",
      "startedTime":"Fri Mar 20 13:53:16 SGT 2009",
      "version":"2"},
    {
      "id":"3726_mdec_v1002_mdec_wp1",
      "serviceLevelMonitor":"<span class=\"dot_red\"></span>",
      "name":"mdec_wp1",
      "state":"open.running",
      "due":"Fri Mar 20 14:04:15 SGT 2009",
      "startedTime":"Fri Mar 20 13:54:15 SGT 2009",
      "version":"2"}
  ]
}
```

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

URL

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

Method

HTTP GET

DESCRIPTION

Retrieve completed process list

Parameters

- packageId - package id
- processId - process id
- processName - process name
- version - process version
- sort - column name to be sort
- desc - boolean value to determine either sort by ascending or descending (true equals to descending)
- start - rows start from
- rows - number of rows per page

Sample Result

```
{
  "total":3,
  "desc":false,
  "sort":"name",
  "start":0,
  "data":[
    {
      "id":"7401_mora_mora_new_application",
      "serviceLevelMonitor":"<span
class=\"dot_green\"></span>",
      "name":"MORA New
Application",
      "state":"closed.completed",
      "due":"-",
      "startedTime":"Fri Apr 03
11:00:42 SGT 2009",
      "version":"1"
    }
  ]
}
```

```
        {"id":"7607_mora_mora_new_application","serviceLevelMonitor":"<span
class=\"dot_green\"></span>","name":"MORA New
Application","state":"closed.completed","due":"-","startedTime":"Fri Apr 03
12:36:09 SGT 2009","version":"2"},

        {"id":"7701_mora_mora_new_application","serviceLevelMonitor":"<span
class=\"dot_green\"></span>","name":"MORA New
Application","state":"closed.completed","due":"-","startedTime":"Fri Apr 03
14:33:45 SGT 2009","version":"5"}

    ]

}
```

/web/json/monitoring/activity/list

URL

/web/json/monitoring/activity/list

Method

HTTP GET

DESCRIPTION

Retrieve monitoring activity list

Parameters

- processId - process id
- sort - column name to be sort
- desc - boolean value to determine either sort by ascending or descending (true equals to descending)
- start - rows start from
- rows - number of rows per page

Sample Result

```
{
```

```
    "total":3,

    "desc":false,

    "sort":"name",

    "start":0,

    "data":[

    {"id":"7836_7607_mora_mora_new_application_mora_new_application_act3","serviceLevelMonitor":"<span class=\"dot_green\"></span>","name":"Verify Application","state":"closed.completed","dateCreated":"Fri Apr 03 12:36:32 SGT 2009"},

    {"id":"7840_7607_mora_mora_new_application_mora_oral_writing_test","serviceLevelMonitor":"<span class=\"dot_green\"></span>","name":"Update Oral & Writing Test Result","state":"closed.completed","dateCreated":"Fri Apr 03 12:37:57 SGT 2009"},

    {"id":"7837_7607_mora_mora_new_application_mora_new_application_act5_tool","serviceLevelMonitor":"<span class=\"dot_green\"></span>","name":"Update MORA DB Status","state":"closed.completed","dateCreated":"Fri Apr 03 12:36:33 SGT 2009"}

    ]

}
```

/web/json/monitoring/activity/reevaluate

URL

/web/json/monitoring/activity/reevaluate

Method

HTTP GET

DESCRIPTION

Evaluate assignment for activity

Parameters

- activityId - activity id

Sample Result

-

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

URL

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

Method

HTTP GET

DESCRIPTION

Evaluate assignment for activity

Parameters

- callback - a function (in javascript) to call back after invoke this method
- activityId - activity id
- variable - variable
- value - value

Sample Result

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

```
}
```

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

URL

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

Method

HTTP GET

DESCRIPTION

Retrieve workflow activity view

Parameters

- `callback` - a function (in javascript) to call back after invoke this method
- `activityId` - activity id

Sample Result

```
{ "activityId": "12001_9801_service_center_newpkg1_wp1_newpkg1_wp1_act2", "processVersion": "4", "activityDefId": "newpkg1_wp1_act2", "processId": "9801_service_center_newpkg1_wp1", "acceptedUser": "admin", "processName": "Service Center Escalation Process", "assignee": "admin", "participant": "level2", "processDefId": "service_center#4#newpkg1_wp1", "variable": [{"relatedTo": ""}, {"ticketId": ""}, {"status": ""}, {"complexity": ""}, {"priority": ""}], "activityName": "Update Ticket Level 2" }
```

2. JSON API AUTHENTICATION

For authentication purposes, the following parameters can be appended to each of the JSON API URL:

- j_username
- j_password

Example:

Assuming the username and password required is "user1" and "password1" respectively, the following URL can be used:

```
/web/json/workflow/assignment/list/pending?j_username=user1&j_password=password1
```

Master Login Username and Password

Under the Settings > System Setup menu item, you are able to set a Master Login Username and Master Login Password. By setting these values, a different user can be specified by passing in the loginAs parameter.

Example:

Assuming the master login username and master login password is "master" and "master" respectively, the following URL can be used to represent the user "user1":

```
/web/json/workflow/assignment/list/pending?j_username=master&j_password=master&loginAs=user1
```

3. SAMPLE JSON API INTEGRATION

Assume the process definition id is CRM#1#newpkg1_wp1, username & password is admin, with the base URL of http://localhost:8080/wflow-wfweb/

Start a process

/web/json/workflow/process/start/CRM%231%23newpkg1_wp1?j_username=admin&j_password=admin

```
{"activityId":"2122_2117_CRM_newpkg1_wp1_newpkg1_wp1_act1","processId":"2117_CRM_newpkg1_wp1"}
```

NOTE: workflow variables can be set when starting a process, by passing additional parameters into the URL, eg **var_ticketId=123456&var_relatedTo=network**

Accept the assignment

/web/json/workflow/assignment/accept/2122_2117_CRM_newpkg1_wp1_newpkg1_wp1_act1?j_username=admin&j_password=admin

```
{"assignment":"org.joget.workflow.model.WorkflowAssignment@12944ac","status":"accepted"}
```

Complete the assignment with variables

/web/json/workflow/assignment/completeWithVariable/2122_2117_CRM_newpkg1_wp1_newpkg1_wp1_act1?var_ticketId=123456&var_relatedTo=network&j_username=admin&j_password=admin

```
{"activityId":"2122_2117_CRM_newpkg1_wp1_newpkg1_wp1_act1","assignment":"org.joget.workflow.model.WorkflowAssignment@1b99f74","processId":"2117_CRM_newpkg1_wp1","status":"completed"}
```

4. SAMPLE IFRAME INTEGRATION

Assume the process definition id is CRM#1#newpkg1_wp1, with the base URL of `http://localhost:8080/wflow-wfweb/`

```
<iframe src=" http://localhost:8080/wflow-wfweb/web/client/process/view/CRM:1:newpkg1_wp1?var_ticketId=123456&var_relatedTo=network&withdraw=false&complete=http%3A%2F%2Flocalhost%2Fdone.html&embed=true&css=http%3A%2F%2Flocalhost%2Fstyle.css" > </iframe>
```

- Workflow variables can be passed in as parameters using the prefix `var_`
- `embed` can be set to `true` to hide the header
- `css` can be set to specify a custom css stylesheet
- The parameters `save`, `cancel`, `withdraw` and `complete` can be used to configure the form buttons
 - `true` - show the button
 - `false` - hide the button
 - `url` - a url to redirect after the action

5. SAMPLE EXTERNAL FORM INTEGRATION

A sample on external form integration. Note: This sample is in JSP, you could use any web technology for this purpose:

1. Assuming an external form at `/test/form.jsp`, which contains the following code:

```
<%@ include file="/WEB-INF/jsp/includes/taglibs.jsp" %>

<form method="POST"
action="/test/formComplete.jsp?activityId=${param.activityId}&redirect
=/test/formSuccess.jsp">

    <input type="text" name="field1">
```

```
<input type="submit" value="Submit">
</form>
```

2. In the sample form above, it submits to the page `/test/formComplete.jsp` which will do the necessary processing, and then call the Joget JavaScript API to complete the task and redirect to `/test/formSuccess.jsp`. `formComplete.jsp` should contain the following JavaScript code:

```
<script type="text/javascript" src="http://localhost:8080/wflow-
wfweb/js/jquery/jquery-1.2.6.pack.js"></script>

<script type="text/javascript" src="http://localhost:8080/wflow-
wfweb/js/json/util.js"></script>

<script type="text/javascript">

    var callback = {

        success : function(response) {

AssignmentManager.completeAssignment("http://localhost:8080/wflow-
wfweb", getUrlParam("activityId"), escape(getUrlParam("redirect")));

        }

    }

    AssignmentManager.login("http://localhost:8080/wflow-wfweb",
"admin", "admin", callback);

</script>
```

3. Map that external form URL `/test/form.jsp` to the appropriate workflow activity.

6. SAMPLE BEANSHELL SCRIPT

Setting Workflow Variable

```
import org.joget.workflow.model.service.*;

WorkflowManager wm = (WorkflowManager)
pluginManager.getBean("workflowManager");

wm.activityVariable(workflowAssignment.getActivityId(), "id",
"value");
```

7. SAMPLE CUSTOM FORM VALIDATION

Put the following script in a Custom HTML element in form builder

```
<script type="text/javascript">

    function formbuilderCustomValidation(){

        var containError = false;

        var textarea = document.getElementsByName('description')[0];

        if(textarea.value.length < 10){

            containError = true;

            alert("Description must be at least 10 characters");

        }

        return containError;

    }

</script>
```

8. SAMPLE CUSTOM JAVASCRIPT IN FORM BUILDER

Put the following script in a Custom HTML element in form builder.

The script will work disregarding the sequence of the Custom HTML Element. However, if you wish to use `document.getElementById()` instead, the Custom HTML element needs to be on the bottom of the elements you wish to get.

It is recommended to always place the Custom HTML on the bottom of the form.

```
<script type="text/javascript">

    function formbuilderOnReady() {

        var radioYes = document.getElementsByName('decision')[0];

        var radioNo = document.getElementsByName('decision')[1];

        var textarea = document.getElementsByName('description')[0];

        radioYes.onclick = function() {

            textarea.disabled = false;

        };

        radioNo.onclick = function() {

            textarea.disabled = true;

        };

    }

</script>
```

9. SAMPLE CODE FOR EMBEDDING THE INBOX & PROCESS LIST

Process List

Sample code to embed a process list

```
<link rel="stylesheet" type="text/css"
href="http://localhost:8080/wflow-wfweb/css/workflow.portlet.css">

<script type="text/javascript" src http://localhost:8080/wflow-
wfweb/js/jquery/jquery-1.2.6.pack.js"></script>

<script type="text/javascript" src="http://localhost:8080/wflow-
wfweb/js/json/util.js"></script>

<div id="processList1">

    <center></center>

</div>

<script>

    $(document).ready(function() {

        var processCallback_2 = {

            success: function() {

                $.getScript('http://localhost:8080/wflow-
wfweb/web/js/workflow/processList.js?id=2&rows=3&divId=processList1&lo
gin=true', null);

            }

        };

        AssignmentManager.login('http://localhost:8080/wflow-
wfweb', 'username', 'password', processCallback_2);

    })
```

processList.js accepts several parameters

- id - a unique id to identify the instance of the process list
- rows - number of rows to display in the process list
- packageId - if specified, the process list will only show processes from the specific package
- divId - ID of the HTML div in which to display the process list
- login - true to display a login box if the user is not logged

Inbox

Sample code to embed an inbox

```
<link rel="stylesheet" type="text/css"
href="http://localhost:8080/wflow-wfweb/css/workflow.portlet.css">

<script type="text/javascript" src http://localhost:8080/wflow-
wfweb/js/jquery/jquery-1.2.6.pack.js"></script>

<script type="text/javascript" src="http://localhost:8080/wflow-
wfweb/js/json/util.js"></script>

<div id="inbox1">

    <center></center>

</div>

<script>

    $(document).ready(function(){

        var loginCallback_1 = {

            success: function(){

                $.getScript('http://localhost:8080/wflow-
wfweb/web/js/workflow/inbox.js?id=1&rows=3&divId=inbox1&loginCallback=
doMoreThings&assignmentCallback=linkCallback',null);

            }

        };

        AssignmentManager.login('http://localhost:8080/wflow-
wfweb', 'username', 'password',loginCallback_1);

    })

    var doMoreThings = {
```

```
        success: function() {  
            //alert("doMoreThings");  
            // Do more things  
        }  
    };  
    var linkCallback = {  
        success: function(assignment) {  
            /*  
                assignmentObj.activityId;  
                assignmentObj.activityName;  
                assignmentObj.processName;  
                assignmentObj.processVersion;  
                assignmentObj.dateCreated;  
                assignmentObj.acceptedStatus;  
            */  
        }  
    }  
}</script>
```

inbox.js accepts several parameters

- id - a unique id to identify the instance of the inbox
- rows - number of rows to display in the inbox
- packageId - if specified, the inbox will only show assignments from the specific package
- divId - ID of the HTML div in which to display the inbox
- assignmentCallback - if specified, function name to invoke when a task assignment is clicked

10. SAMPLE JAVASCRIPT FOR EXTERNAL FORM

```
<script type="text/javascript" src="http://localhost/wflow-
wfweb/js/jquery/jquery-1.2.6.pack.js"></script>

<script type="text/javascript" src="http://localhost/wflow-
wfweb/js/json/util.js"></script>

<script type="text/javascript">

    AssignmentManager.login("http://localhost/wflow-wfweb", "foo",
"bar");

    function completeTask(){

        AssignmentManager.completeAssignment("http://localhost/wflow-
wfweb", getUrlParam("activityId"), escape(getUrlParam("redirect")));

    }

    function withdrawTask(){

        AssignmentManager.withdrawAssignment("http://localhost/wflow-
wfweb", getUrlParam("activityId"), getUrlParam("redirect"));

    }

</script>
```

11. JAVASCRIPT API

CONNECTIONMANAGER.POST(URL, CALLBACK, PARAMS)

Description

Ajax POST to a specific URL

Parameters

- url - URL to POST
- callback - a callback function after the POST is succeeded (optional)
- params - parameters for the POST (optional)

Sample Code

```
var callback = {
    success : function(response) {
        //do something
    }
}

ConnectionManager.post('http://localhost/test', callback, 'id=2')
```

CONNECTIONMANAGER.AJAXJSONP(URL, CALLBACK, PARAMS)

Description

Initiate Ajax call with JSONP

Parameters

- url - URL to initiate Ajax call
- callback - a callback function after the call is succeeded (optional)
- params - parameters for the call (optional)

Sample Code

```
var callback = {
    success : function(response) {
        //do something
    }
}

ConnectionManager.ajaxJsonp('http://localhost/test', callback, 'id=4')
```

CONNECTIONMANAGER.GET(URL, CALLBACK, PARAMS, XSS)

Description

Ajax GET to a specific URL

Parameters

- url - URL to GET
- callback - a callback function after the GET is succeeded (optional)
- params - parameters for the GET (optional)
- xss - use when the URL is cross-domain (optional)

Sample Code

```
var callback = {
    success : function(response) {
        //do something
    }
}
```

```
}  
  
ConnectionManager.get('http://localhost/test', callback, 'id=6')
```

ASSIGNMENTMANAGER.GETCURRENTUSERNAME(BASEURL, CALLBACK)

Description

Get the current logged in username in Workflow

Parameters

- baseUrl - base URL of Workflow, eg. 'http://localhost/wflow-wfweb'
- callback - a callback function after the call is succeeded (optional)

Sample Code

```
var callback = {  
    success : function(response) {  
        //response.username  
    }  
}  
  
AssignmentManager.getCurrentUsername('http://localhost/wflow-wfweb',  
callback);
```

ASSIGNMENTMANAGER.LOGIN(BASEURL, USERNAME, PASSWORD, CALLBACK)

Description

Login to Workflow with the username & password

Parameters

- baseUrl - base URL of Workflow, eg. 'http://localhost/wflow-wfweb'
- username - username of the user to login
- password - password of the user to login
- callback - a callback function after the login is succeeded (optional)

Sample Code

```
var callback = {
    success : function(response) {
        //do something
    }
}

AssignmentManager.login('http://localhost/wflow-wfweb', 'admin',
    'admin', callback);
```

ASSIGNMENTMANAGER.LOGOUT(BASEURL)

Description

Logout the user in Workflow

Parameters

- baseUrl - base URL of Workflow, eg. 'http://localhost/wflow-wfweb'

Sample Code

```
AssignmentManager.logout('http://localhost/wflow-wfweb');
```

ASSIGNMENTMANAGER.WITHDRAWASSIGNMENT(BASEURL, ACTIVITYID)

Description

Withdraw an assignment with a specific activity instance id

Parameters

- baseUrl - base URL of Workflow, eg. 'http://localhost/wflow-wfweb'
- activityId - activity instance id of the assignment to withdraw

Sample Code

```
AssignmentManager.withdrawAssignment('http://localhost/wflow-wfweb',  
'1_1_activity');
```

ASSIGNMENTMANAGER.COMPLETEASSIGNMENT(BASEURL, ACTIVITYID, REDIRECT)

Description

Complete an assignment with a specific process instance id & activity instance id

Parameters

- baseUrl - base URL of Workflow, eg. 'http://localhost/wflow-wfweb'
- activityId - activity instance id of the assignment to complete
- redirect - an URL to redirect after the assignment is completed (optional)

Sample Code

```
AssignmentManager.completeAssignment('http://localhost/wflow-wfweb',  
'1_1_activity', 'http://localhost/completed.jsp');
```

ASSIGNMENTMANAGER.COMPLETEASSIGNMENTWITHVARIABLE(BASEURL, ACTIVITYID, VARIABLEDATA, REDIRECT)

Description

Complete an assignment with a specific process instance id & activity instance id

Parameters

- baseUrl - base URL of Workflow, eg. 'http://localhost/wflow-wfweb'
- activityId - activity instance id of the assignment to complete
- variableData - Workflow variable data to update for the assignment
- redirect - an URL to redirect after the assignment is completed (optional)

Sample Code

```
AssignmentManager.completeAssignmentWithVariable('http://localhost/wflow-wfweb', '1_1_activity', 'status=new&id=123', 'http://localhost/completed.jsp');
```

GETURLPARAM(PARAMNAME)

Description

Get the value of a URL parameter

Parameters

- paramName - name of the parameter to get

Sample Code

If the current URL is `http://localhost/test?id=123&page=2`

```
getUrlParam('id')
```

will return 123, while

```
getUrlParam('page')
```

will return 2

12. PLUGIN VARIABLES

Assignment

- #assignment.processId#
 - #assignment.processDefId#
 - #assignment.processName#
 - #assignment.processName#
 - #assignment.processVersion#
 - #assignment.processRequesterId#
 - #assignment.description#
 - #assignment.activityId#
 - #assignment.activityName#
 - #assignment.activityDefId#
 - #assignment.assigneeId#
-

Form

- #form.*table_name*.*column_name*#
- #form.*column_name*# (if the form data table name is already specified in the plugin settings)

For example:

```
#form.registration.registeredDate#  
  
#form.issuedDate#
```

Workflow Variable

- #variable.*variable_id*#

For example:

```
#variable.approvalStatus#
```

Date

- `#date.java_SimpleDateFormat#` (refer to <http://java.sun.com/j2se/1.5.0/docs/api/java/text/SimpleDateFormat.html> for more formatting patterns)

For example:

```
#date.h:mm a#           12:08 PM
#date.EEE, d MMM yyyy h:mm:ss a# Wed, 4 Jul 2009 12:08:56 PM
```