



## Rest API Documentation

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## Scope

The Rest API covers both the ONE Automation Platform from a Workload Automation (AWA) AND Release Automation (ARA) standpoints.

Both share much of this API's structures and are covered in this document.

The usage flow is rather simple: Any request requires an Authentication Token that can be obtained using the Authentication calls of this API.

Additional important notes:

**This API is still a work in progress and is at an experimental stage.**

**No support is provided however requests and bug reports are welcome to be sent to [Brendan.Sapience@automic.com](mailto:Brendan.Sapience@automic.com)**

## Installation

The latest war file can be found here:

<https://github.com/brendanSapience/UC4-Automic-REST-API-Delivery>

Once Downloaded:

- 1- Deploy the WAR file in your web server
- 2- Configure the **ConnectionConfig.json** file

### ConnectionConfig.json file:

The REST API shields end-users from having to know which host / department / language / ports / ARA url to use to connect to either AE or ARA: this information is instead stored server-side in the ConnectionConfig.json file.

The file itself consists of one or more collections of connection parameters.

Here is an example below of a valid **ConnectionConfig.json** with two sets of connections parameters (AEPROD & AEDEV):

#### Content

```
{ "connections":  
  [  
    {  
      "name": "AEPROD",  
      "host": "AETestHost",  
      "dept": "ARA",  
      "araurl": "http://AETestHost/ARA",  
      "lang": "E",  
      "ports": ["2217", "2218"],  
      "validity": 525600,  
      "RESTadmin": true  
    },  
    {  
      "name": "AEDEV",  
      "host": "192.168.1.60",  
      "dept": "AUTOMIC",  
      "araurl": "http://192.168.17.136/ARA",  
      "lang": "E",  
      "ports": ["2217", "2218"],  
      "validity": 525600,  
      "RESTadmin": false  
    }  
  ]  
}
```

Important notes:

- Each connection needs a unique “**name**” parameter. This name is used in the authentication call: make it short and concise (ex above: **AEPROD, AEDEV**).
- The **name** is the only thing a user needs to know to connect to AE or ARA (beyond their login, password and client of course)
- The **araurl** parameter is not mandatory. You can remove it or leave it blank if not planning to use this api with ara.
- The **validity** is expressed in minutes. Each successful authentication request will yield an authentication token which will be valid only during this time. This is to ensure that connections eventually expire.
- The **RESTadmin** parameter allows access to admin functions of this API only (such as display the list of all active connections, revoking existing valid tokens etc.) (Not that NO feature of AE is granted based on this.)

## General Structure of Rest API Calls:

Each call is composed of:

- 1- A ROOT URL: ex: <http://localhost:8080/UC4Rest>
  - ⇒ This entirely depends on where you install the war file
- 2- A Parameterized URL: ex: </api/awa/forecast/v1/activities?method=recalculate>
  - ⇒ This entirely depends on the parameters to pass / actions to take

Each call is:

**ROOTURL** + **Parameterized URL**

Ex:

<http://localhost:8080/UC4Rest/api/awa/forecast/v1/activities?method=recalculate>

Note: **The ROOT URL will not be specified in any of the code or examples.**

## Parameters of Calls:

`/api/<product line>/<action>/<version of action>/<object type>?<URL Parameters>`

With:

**<product line>**: either ara or awa depending on whether you are working with Workload or Release

**<action>**: name of action to take. This will depend on the <object type>

**<version of action>**: each action is versioned to ensure backwards compatibility

**<object type>**: object type to work with. Ex: Jobs, Jobp, Activities, Packages, Entities, All etc.

**<URL Parameters>**: depends entirely on <action> and <object type>

## Getting Help:

### 1- Getting the list of available <object type>:

A special call can be made in order to retrieve the list of available object types for AWA or ARA:

Request (for AWA)

Method	URL
GET	/api/awa/objects

Response

Status	Response
200	<pre>{   "status": "success",   "count": 12,   "objects": [     "Activities",     "All",     "Auth",     "Changes",     "Client",     "Docu",     "Engine",     "Forecast",     "Jobs",     "Misc",     "Notifications",     "Statistics"   ] }</pre>

## Request (for ARA)

Method	URL
GET	/api/ara/objects

## Response

Status	Response
200	<pre>{   "status": "success",   "count": 10,   "objects": [     "All",     "Entities",     "Environments",     "Folders",     "Owners",     "Packages",     "Profiles",     "Properties",     "Targets",     "Workflows"   ] }</pre>



## 2- List of Actions available for a given <object type> (ex with All below):

### Request

Method	URL
GET	/api/awa/help/v1/<Object Type>?

### Example

Method	URL
GET	/api/awa/help/v1/All?

### Response

Status	Response
200	<pre>{   "status": "success",   "type": "GET",   "count": 5,   "data": [     {       "operation": "lastrun",       "versions": [         "lastrunv1"       ]     },     {       "operation": "export",       "versions": [         "exportv1"       ]     },     {       "operation": "search",       "versions": [         "searchv1",         "searchv2"       ]     },     {       "operation": "output",       "versions": [         "outputv1"       ]     },     {       "operation": "runtimes",       "versions": [ </pre>

```

        "runtimesv1"
      ]
    }
  ]
}

```

### 3- List of Parameters available for a given <object type> & <action> (ex with All below):

#### Request

Method	URL
GET	/api/awa/<action>/<version>/<Object Type>?method=usage

#### Example

Method	URL
GET	/api/awa/search/v1/All?method=usage

#### Response

Status	Response
200	<pre> {   "status": "success",   "required_parameters": [     "name (format: name= &lt; UC4RegEx &gt; )"   ],   "optional_parameters": [     "search_usage (format: search_usage=Y) "   ],   "optional_filters": [],   "required_methods": [],   "optional_methods": [     "usage"   ],   "developer_comment": null } </pre>

## Authentication (object type: auth)

login:

*Request access to AE / ARA using user credentials.*

### Request

Method	URL
GET	/api/awa/login/v1/auth?login= <b>ARA</b> &pwd= <b>ara</b> &connection= <b>AEPROD</b> &client= <b>100</b>

### Response

Status	Response
200	<pre>{   "status": "success",   "token": "44v4pv1mbbraa2m8frv6jdotd",   "expdate": "2017-07-10 09:45:19" }</pre>

The "token" needs to be used in any subsequent calls as a **URL parameter** OR a **header parameter** (in which case there is no need to specify it as a URL parameter).

The password passed as a URL parameter can be encrypted (see encrypt and decrypt actions below).

## logout:

*Logout from active session.*

### Request

Method	URL
GET	http://localhost:8080/UC4Rest/api/awa/logout/v1/auth?token=44v4pv1mbbraa2m8frv6jdotd

### Parameters

parameter	description	mandatory
<b>scope</b>	Value: "all": logout all users, only available to users with RESTadmin privilege	No

### Response

Status	Response
200	<pre>{   "status": "success",   "message": "token 44v4pv1mbbraa2m8frv6jdotd was removed successfully" }</pre>

### Request

Method	URL
GET	http://localhost:8080/UC4Rest/api/awa/logout/v1/auth?scope=all&token=44v4pv1mbbraa2m8frv6jdotd

## show:

*Show all active connections to the REST Server. This can only be used with the RESTadmin privilege set to true in ConnectionConfig.json file.*

## Request

Method	URL
GET	/api/awa/show/v1/auth? <b>token</b> =dfgkgjhsdfhlhjs324sdf

## Response

Status	Response
200	<pre>{   "status": "success",   "count": 1,   "data": [     {       "token": "44v4pvlmbbraa2m8frv6jdotd",       "expdate": "2017-07-10 09:45:19",       "host": "AETestHost",       "user": "ARA",       "client": "100",       "dept": "ARA",       "created": "2016-07-10 09:45:19"     }   ] }</pre>

**NOTE:**

For the rest of this Document, the token url parameter will be omitted. It is assumed that you are either passing it in the url or as a header parameter.

## **Miscellaneous** (Object Type: **Misc**)

### encrypt:

*Encrypt a password in a format that can be used in place of the clear text password used in authentication calls.*

#### Request

Method	URL
GET	/api/awa/encrypt/v1/Misc?key=Un1ver\$e

#### Parameters

parameter	description	mandatory
<b>internal</b>	<i>No value:</i> encrypt using special key file (compatible with AE Connection Strings)	No

#### Response

Status	Response
200	<pre>{   "status": "success",   "encrypted": "--1057F4AAE06DF40F92" }</pre>

#### Note:

The "internal" parameter can only be used with:

- the RESTadmin privilege set
- the relevant bin.key file in the web-app folder (**this is NOT delivered OOTB**)

## decrypt:

*Decrypt a password.*

### Request

Method	URL
GET	/api/awa/decrypt/v1/Misc?key=--1057F4AAE06DF40F92

### Parameters

parameter	description	mandatory
<b>internal</b>	<i>No value:</i> decrypt using special key file (compatible with AE Connection Strings)	No

### Response

Status	Response
200	<pre>{   "status": "success",   "encrypted": "Un1ver\$e" }</pre>

### Note:

The "internal" parameter can only be used with:

- the RESTadmin privilege set
- the relevant bin.key file in the web-app folder (**this is NOT delivered OOTB**)



## **Workload Automation Requests (awa)**

This section describes requests that are specific to AE / AWA.

Each <object type> is detailed thru all corresponding available <actions>.

## Activities (Object Type: **Activities**)

### search:

*Search activity Window content with filters.*

### Request

Method	URL
GET	/api/awa/search/v1/Activities?filters=[name:REST*,type:JOBS JOBP]

### Parameters

Note: Filters can be chained (with "," as a separator), type and platform filters can filter for multiple items if using the "|" between each (see above example).

parameter	description	mandatory
filters	name (format: filters=[name:DEM.*]) status (format: filters=[status:1900]) key1 (format: filters=[key1:*.]) key2 (format: filters=[key2:*.]) queue (format: filters=[queue:*.]) activation (format: filters=[activation:YYYYMMDDHHMM-YYYYMMDDHHMM]) host (format: filters=[host:WIN01*]) parentrunid (format: filters=[parentrunid:12345678901100]) toprunid (format: filters=[toprunid:12345678901100]) user (format: filters=[user:*.]) platform (format: filters=[platform:WIN UNIX]) type (format: filters=[type:JOBP JOBS]) exkey1 (format: filters=[exkey1]) exkey2 (format: filters=[exkey2]) exhost (format: filters=[exhost]) exname (format: filters=[exname]) exuser (format: filters=[exuser]) custom (format: filters=[custom:AttrName-AttrValue])	No

### Response

Status	Response
200	<pre>{   "status": "success",   "count": 17,   "data": [</pre>

```
{
  "name": "REST.AUTO.RUNNABLE.JOBS.1",
  "type": "JOBS",
  "desc": "",
  "platform": "Windows",
  "runid": 1365158,
  "parent": 0,
  "user": {
    "empty": false,
    "name": "ARA/ARA"
  },
  "starttime": "2016-06-29 12:04:34",
  "priority": 200,
  "status": "state_ended",
  "statuscode": 1900,
  "statusdesc": "ENDED_OK - ended normally",
  "archive1": "OLDKEY1",
  "archive2": "OLDKEY2",
  "version": "4",
  "login": "(.\\Administrator)",
  "endtime": "2016-06-29 12:06:34",
  "runtime": "0:02:00",
  "consumption": 1,
  "cputime": 0.03,
  "host": "WIN01",
  "modification": "",
  "queue": "CLIENT_QUEUE",
  "starttype": "",
  "statuswithinparent": ""
},
...
```

## deactivate:

*Deactivate entry from activity Window content.*

### Request

Method	URL
GET	/api/awa/deactivate/v1/Activities?runid=122334345&force=Y

### Parameters

parameter	description	mandatory
<b>runid</b>	<i>Integer:</i> Runid of activity to deactivate	Yes
<b>force</b>	<i>Y or N:</i> force deactivation of activity	No

### Response

Status	Response
200	<pre>{   "status": "success",   "message": "task deactivated" }</pre>

## rerun:

*Rerun an activity.*

### Request

Method	URL
GET	/api/awa/rerun/v1/Activities? <b>runid</b> =122334345& <b>keepstartmode</b> =Y& <b>manualrelease</b> =Y

### Parameters

Parameter	description	mandatory
<b>runid</b>	<i>Integer</i> : Runid of activity to deactivate	Yes
<b>keepstartmode</b>	<i>Y or N</i> : keep start mode	No
<b>restartaborts</b>	<i>Y or N</i> : only restart aborted tasks	No
<b>manualrelease</b>	<i>Y or N</i> : require manual release upon restart	No
<b>restartpoint</b>	<i>String</i> : restart task from a particular point	No

### Response

Status	Response
200	<pre>{   "status": "success",   "message": "task restarted",   "runid": 1369339,   "refrunid": 1369335 }</pre>

quit:

*Quit an activity.*

## Request

Method	URL
GET	/api/awa/quit/v1/Activities?runid=122334345

## Parameters

parameter	description	mandatory
<b>runid</b>	Integer: Runid of activity to deactivate	Yes

## Response

Status	Response
200	<pre>{   "status": "success",   "message": "task quit done" }</pre>

## unlock:

*Unblock an activity.*

### Request

Method	URL
GET	/api/awa/unblock/v1/Activities? <b>runid</b> =122334345& <b>type</b> =JOBS

### Parameters

parameter	description	mandatory
<b>runid</b>	Integer: Runid of activity to unblock	Yes
<b>type</b>	JOBP or JOBS: Type of activity to unblock	Yes
<b>lnr</b>	4-digit identifier: task within a JOBP to unblock	No (Yes if type is JOBP)

### Response

Status	Response
200	<pre>{   "status": "success",   "message": "task unblocked" }</pre>

**cancel:**

*Cancel an activity.*

## Request

Method	URL
GET	/api/awa/cancel/v1/Activities? <b>runid</b> =122334345

## Parameters

parameter	description	mandatory
<b>runid</b>	Integer: Runid of activity to unblock	Yes
<b>recursive</b>	Y or N: Cancel activity recursively	No

## Response

Status	Response
200	<pre>{   "status": "success",   "message": "task cancelled" }</pre>



## resume:

*Resume an activity.*

### Request

Method	URL
GET	/api/awa/resume/v1/Activities? <b>runid</b> =122334345

### Parameters

parameter	description	mandatory
<b>runid</b>	Integer: Runid of activity to unblock	Yes
<b>recursive</b>	Y or N: Resume activity recursively	No

### Response

Status	Response
200	<pre>{   "status": "success",   "message": "task resumed" }</pre>

## suspend:

*Suspend an activity.*

### Request

Method	URL
GET	/api/awa/suspend/v1/Activities?runid=122334345

### Parameters

parameter	description	mandatory
<b>runid</b>	Integer: Runid of activity to unblock	Yes
<b>recursive</b>	Y or N: Resume activity recursively	No

### Response

Status	Response
200	<pre>{   "status": "success",   "message": "task suspended" }</pre>

## rollback:

*Rollback an activity (as per Rollback defined for the corresponding object).*

### Request

Method	URL
GET	/api/awa/rollback/v1/Activities?runid=122334345

### Parameters

parameter	description	mandatory
<b>runid</b>	Integer: Runid of activity to unblock	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "message": "task rolled back" }</pre>

show:

*Show any type of Report available to a given activity (can also retrieve Comments).*

## Request

Method	URL
GET	/api/awa/show/v1/Activities?runid=122334345&type=COMMENTS

## Parameters

parameter	description	mandatory
<b>runid</b>	Integer: Runid of activity to unblock	Yes
<b>type</b>	Possible Report Types: ACT, LOG, REP, LST, SREP, POST, REV0, REV1, REV2, CLNT, OBJ, SLOG, COMMENTS	No (default: REP)

## Response

Status	Response
200	<pre>{   "success": true,   "data": {     "type": "REP",     "numberofpages": 1,     "report": [       {         "page": 1,         "content": "\nc:\&gt;C:\Automic\Automation.Platform\Agents\windows\bin\UCXJWX6M.EXE JNR=0001369314 MNR=0100 PNR=2300 IPA=127.0.0.1 TYP=S TXT=\"          Job started\" \nProgram 'UC4 Job Messenger' version '11.2.1+build.390' started\nUCMDJP: *****\nUCMDJP: ** JOB 0001369314 (ProcID:0000009208) START AT 11.07.2016/20:36:21 **\nUCMDJP: ** UTC TIME 11.07.2016/19:36:21 **\nUCMDJP: *****\nConnected with agent 'WIN01'\nProgram 'UC4 Job Messenger' version '11.2.1+build.390' terminated normally\n\nc:\&gt;echo here is my content \nhere is my content\n\nc:\&gt;C:\Automic\Automation.Platform\Agents\windows\bin\UCXJWX6M.EXE JNR=0001369314 MNR=0100 PNR=2300 IPA=127.0.0.1 TYP=E RET=00000000 TXT=\"          Job ended\" \nProgram 'UC4 Job Messenger' version '11.2.1+build.390' started\nUCMDJP: *****\nUCMDJP: ** JOB 0001369314 (ProcID:0000009208) ENDED AT 11.07.2016/20:36:21 **\nUCMDJP: ** UTC TIME 11.07.2016/19:36:21 **\nUCMDJP: ** ----- ----- **\nUCMDJP: **                               USED:          0.000 CPU **\nUCMDJP: *****\nConnected with agent 'WIN01'\nProgram 'UC4 Job Messenger' version '11.2.1+build.390' terminated normally\n\nc:\&gt;GOTO JOBENDE \n"       }     ]   } }</pre>

**adopt:**

*Adopt an activity (that requires promptset value setting).*

## Request

Method	URL
GET	/api/awa/adopt/v1/Activities? <b>runid</b> =122334345

## Parameters

parameter	description	mandatory
<b>runid</b>	Integer: Runid of activity to unblock	Yes

## Response

Status	Response
200	<pre>{   "status": "success",   "message": "task adopted" }</pre>

## addbreak:

*Add a breakpoint within a task in a workflow.*

### Request

Method	URL
GET	/api/awa/addbreak/v1/Activities?runid=122334345

### Parameters

parameter	description	mandatory
<b>runid</b>	Integer: Runid of activity	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "message": "Task breakpoint added." }</pre>

## delbreak:

*Remove a breakpoint set on a task in a workflow.*

### Request

Method	URL
GET	/api/awa/delbreak/v1/Activities?runid=122334345

### Parameters

parameter	description	mandatory
<b>runid</b>	<i>Integer: Runid of activity</i>	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "message": "Task breakpoint removed." }</pre>

## addskip:

*Add a skip request on a task in a workflow.*

### Request

Method	URL
GET	/api/awa/addskip/v1/Activities?runid=122334345

### Parameters

parameter	description	mandatory
<b>runid</b>	<i>Integer: Runid of activity</i>	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "message": "Task deactivated / skipped." }</pre>



## delskip:

*Remove a skip request on a task in a workflow.*

### Request

Method	URL
GET	/api/awa/delskip/v1/Activities?runid=122334345

### Parameters

parameter	description	mandatory
<b>runid</b>	<i>Integer:</i> Runid of activity	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "message": "Task reactivated / unskipped." }</pre>

go:

*Force the execution of a task in a workflow ("Go Immediately").*

## Request

Method	URL
GET	/api/awa/go/v1/Activities?runid=122334345

## Parameters

parameter	description	mandatory
<b>runid</b>	<i>Integer:</i> Runid of activity	Yes

## Response

Status	Response
200	<pre>{   "status": "success",   "message": "Task Go Now Ok." }</pre>

## run:

*Run any executable object (JOBS, JOBP. JOBF etc.).*

## Request

Method	URL
GET	/api/awa/run/v1/Activities?name=JOBP.ABC.1

## Parameters

parameter	description	mandatory
<b>name</b>	String: Name of the executable object to run	Yes
<b>start</b>	String: start date in format YYYYMMDDhhmm or hhmm (same day)	No
<b>logical</b>	String: logical date in format YYYYMMDD	No
<b>tz</b>	String: Timezone name	No
<b>manualrelease</b>	Y or N: require manual release upon start	No
<b>alias</b>	String: Alias for the task run	No

## Response

Status	Response
200	<pre>{   "status": "success",   "message": "task started",   "runid": 1369318,   "msgnumber": "NA",   "msginsert": "NA" }</pre>

## forecast:

*Query forecast for filtered executable objects.*

## Request

Method	URL
GET	/api/awa/forecast/v1/Activities? <b>filters</b> =[name:.*,date=2016123100-201701022359]& <b>method</b> =query

## methods

parameter	description	mandatory
<b>method</b>	recalculate or query: query or recalculate a forecast	Yes

## Parameters

parameter	description	mandatory
<b>filters</b>	<b>name</b> (format: filters=[name:DEM.*]) <b>login</b> (format: filters=[login:*]) <b>host</b> (format: filters=[host:WIN01*]) <b>srclogin</b> (format: filters=[srclogin:*]) <b>srchost</b> (format: filters=[srchost:WIN01*]) <b>platform</b> (format: filters=[platform:WIN UNIX]) <b>type</b> (format: filters=[type:JOB JOBS]) <b>date</b> (format: filters=[date:YYYYMMDDhhmm-YYYYMMDDhhmm])	No (only applies to 'query' method)

## Response

Status	Response
200	

## comment:

*Add a comment to an Activity.*

### Request

Method	URL
POST	/api/awa/comment/v1/Activities?runid=4346456657

### Parameters

parameter	description	mandatory
runid	Integer: Runid of activity to unblock	Yes

### JSON Body

description	mandatory
<pre>{   "comment": "&lt;String&gt;" }</pre>	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "message": "comment added." }</pre>

## childstats:

*Get Statistics for all Children Tasks of a Runid.*

### Request

Method	URL
GET	/api/awa/childstats/v1/Activities?runid=122334345

### Parameters

parameter	description	mandatory
<b>runid</b>	<i>Integer:</i> Runid of activity to consider	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "count": 1,   "data": [     {       "name": "REPORT(C:\\Automic\\Automation.Platform\\Agents\\windows\\TEMP\\OACZQZ.TXT,000 1369341)",       "type": "REPORT",       "desc": "",       "platform": "",       "runid": 1369342,       "parent": -1,       "user": {         "empty": false,         "name": "ARA/ARA"       },       "starttime": "2016-07-11 19:48:48",       "status": "state_ended",       "statuscode": 1900,       "statusdesc": "ENDED_OK - ended normally",       "archive1": "",       "archive2": "REP",       "endtime": "2016-07-11 19:48:48",       "runtime": "0:00:00",       "host": "*SERVER",       "queue": "",       "starttype": ""     }   ] }</pre>

```
"activation_time": "2016-07-11 19:48:48",  
"client": "0100",  
"comment": "false",  
"message": null,  
"version": -1  
}  
]  
}
```

## activatorstats:

*Get Statistics for the Activator Task of a Runid.*

### Request

Method	URL
GET	/api/awa/activatorstats/v1/Activities?runid=122334345

### Parameters

parameter	description	mandatory
<b>runid</b>	<i>Integer:</i> Runid of activity to consider	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "count": 1,   "data": [     {       "name": "ARA/ARA",       "type": "USER",       "desc": "",       "platform": "",       "runid": 1369340,       "parent": -1,       "user": {         "empty": false,         "name": "ARA/ARA"       },       "starttime": " 00:00:00",       "status": "state_ended",       "statuscode": 1900,       "statusdesc": "ENDED_OK - ended normally",       "archive1": "",       "archive2": "",       "endtime": "2016-07-12 02:38:25",       "runtime": "",       "host": "NB060981",       "queue": "",       "starttype": "",       "activation_time": "2016-07-11 19:48:47",       "client": "0100", </pre>



```
    "comment": "false",  
    "message": null,  
    "version": -1  
  }  
]  
}
```

## **Agents** (Object Type: **Agents**)

**start:**

*Start an Agent.*

### Request

Method	URL
GET	/api/awa/start/v1/Agents? <b>name</b> =WIN01

### Parameters

parameter	description	mandatory
<b>name</b>	String: Name of Agent	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "message": "Agent Start Request Processed." }</pre>

quit:

*Quit / shutdown an Agent.*

## Request

Method	URL
GET	/api/awa/quit/v1/Agents? <b>name</b> =WIN01

## Parameters

parameter	description	mandatory
<b>name</b>	String: Name of Agent	Yes

## Response

Status	Response
200	<pre>{   "status": "success",   "message": "Agent Termination Request Processed." }</pre>

## disconnect:

*Disconnect an Agent.*

### Request

Method	URL
GET	/api/awa/disconnect/v1/Agents? <b>name</b> =WIN01

### Parameters

parameter	description	mandatory
<b>name</b>	String: Name of Agent	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "message": "Agent Disconnect Request Processed." }</pre>

show:

*Show an Agent.*

## Request

Method	URL
GET	/api/awa/show/v1/Agents?name=WIN01

## Parameters

parameter	description	mandatory
name	String: Name of Agent	Yes

## Response

Status	Response
200	<pre>{   "status": "success",   "count": 1,   "name": {     "genericHost": false,     "empty": false,     "name": "WIN01"   },   "active": true,   "authenticated": true,   "authorizations": "RWX",   "compression": "NO",   "cp": "AUTOMIC#CP002",   "hardware": "x86/4/64",   "ip": "127.0.0.1",   "linked": true,   "jcl": "WINDOWS",   "keepalive": 600,   "lastcheck": "2016-07-15 15:19:02",   "lastlogoff": "2016-07-15 14:27:42",   "liccategory": "GSO",   "licclass": "S",   "maxfiletransfer": "UNLIMITED",   "maxjobresource": "UNLIMITED",   "mib": "",   "netarea": "AUTOMIC",   "clients": 1,   "port": 2300,   "processid": "2540",   "roles": "",   "service": "MAIL",   "software": "WinNT",   "softwareversion": "6.2",   "timediff": "000:00:00:00",   "version": "11.2.1+build.390" }</pre>

## All (Object Type: All)

### output:

*Get all registered outputs from an activity.*

### Request

Method	URL
GET	/api/awa/output/v1/All?runid=122334345

### Parameters

parameter	description	mandatory
<b>runid</b>	Integer: Runid of activity to unblock	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "count": 3,   "data": [     {       "type": "Activation (ACT)",       "file": "",       "inuc4db": true,       "onagent": false,       "reportid": "ACT",       "requireslogin": false     },     {       "type": "Ext. Job output (\$001)",       "file": "c:\\temp\\test.txt",       "inuc4db": false,       "onagent": true,       "reportid": "\$001",       "requireslogin": false     },     {       "type": "Report (REP)",       "file": "",       "inuc4db": true,       "onagent": false,       "reportid": "REP",       "requireslogin": false     }   ] }</pre>

## lastrun:

*Get last runid of any executable object.*

### Request

Method	URL
GET	/api/awa/lastrun/v1/All?name=JOBP.ABC.1

### Parameters

parameter	description	mandatory
<b>name</b>	String: Name of executable object	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "runid": 1369339 }</pre>

## runtimes:

*Get last estimated and real runtimes of any executable object.*

### Request

Method	URL
GET	/api/awa/runtimes/v1/All?name=JOBP.ABC.1

### Parameters

parameter	description	mandatory
<b>name</b>	String: name of executable object	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "estimatedruntimes": [     119,     119,     119,     119,     119,     119,     119,     119,     119,     119,     119,     120,     120,     120,     119,     119,     120,     120,     119,     120,     120,     120,     119,     120,     120,     120,     120,     120,     120,     ],   "lastruntimes": [     119,     119,     120,     119,     120,</pre>



	119,
	119,
	119,
	119,
	119,
	119,
	120,
	120,
	119,
	119,
	120,
	120,
	119,
	120,
	120,
	119,
	120,
	120,
	120,
	120,
	120
	]
	}

## export:

*Export a filtered collection of Objects in an xml file.*

## Request

Method	URL
GET	/api/awa/export/v1/All?name=JOBP.ABC.1

## method

value	description	mandatory
<b>showreferences</b>	Only show referenced objects, does not export anything	No

## Parameters

parameter	description	mandatory
name	Pattern (* and ?): names of objects to select for export	Yes
commit	Y or N: commit export: download xml file (default: only a simulation runs)	No
search_usage	Y or N: search usage of objects rather than objects themselves	No
text	String: text to search for in various attributes of objects	No
search_text_in_process	No value: activate search for text (above) in process tabs of objects	No
search_text_in_title	No value: activate search for text (above) in title of objects	No
search_text_in_keys	No value: activate search for text (above) in archive keys of objects	No
search_text_in_docu	No value: activate search for text (above) in docu tabs of objects	No
filters	<b>folder</b> (format: filters=[folder:<Regex>]) <b>type</b> (format: filters=[type:JOBP JOBS]) => see below for available Types <b>reversetype</b> (format: filters=[reversetype]) => reverse selection of types <b>created</b> (format: filters=[created:YYYYMMDDhhmm-YYYYMMDDhhmm]) <b>created</b> (format: filters=[created: <b>LASTnperiod</b> ]) => see below for Periods <b>modified</b> (format: filters=[created:YYYYMMDDhhmm-YYYYMMDDhhmm]) <b>modified</b> (format: filters=[created: <b>LASTnperiod</b> ]) => see below for Periods <b>used</b> (format: filters=[created:YYYYMMDDhhmm-YYYYMMDDhhmm]) <b>used</b> (format: filters=[created: <b>LASTnperiod</b> ]) => see below for Periods	No

Available Types for TYPE selection in filters:

*CALE, PERIOD, CALL, CITC, CLNT, CODE, CONN, CPIT, DOCU, DASH, EVNT, FILTER, FOLD, HOST, HOSTG, HSTA, JOBI, LOGIN, PERIOD, PRPT, QUEUE, SERV, STORE, SYNC, TZ, USER, USRG, VARA, XSL*

Periods (**LASTnperiod**):

n: any integer (ex: 4)

period: YEARS, MONTHS, DAYS, HOURS, MINS, SECS

Examples:

LAST4MONTHS, LAST2YEARS, LAST60SECS, LAST5MINS

Response

Status	Response
200	<pre>{   "status": "success",   "commit": false,   "simulate": true,   "count": 37,   "data": [     {       "name": "CONN.WEBSERVICE.SOAPCONNECTION.1",       "folder": "0100/UC4.APPLICATIONS/RESTAPI_DEV",       "title": "Template for RA Connections",       "type": "CONN",       "open": ""     },     {       "name": "JOBS.WEBSERVICE.SOAP.1",       "folder": "0100/UC4.APPLICATIONS/RESTAPI_DEV",       "title": "",       "type": "JOBS",       "open": ""     }   ],   ... }</pre>

## search:

*Search for any Objects with filters.*

## Request

Method	URL
GET	/api/awa/search/v1/All?name=*&text=*TITLE*&search_text_in_title&filters=[type:JOBP JOBS,created:LAST10YEARS,folder=.*REST.*]

## Parameters

parameter	description	mandatory
name	Pattern (* and ?): names of objects to select for export	Yes
commit	Y or N: commit export: download xml file (default: only a simulation runs)	No
search_usage	Y or N: search usage of objects rather than objects themselves	No
text	String: text to search for in various attributes of objects	No
search_text_in_process	No value: activate search for text (above) in process tabs of objects	No
search_text_in_title	No value: activate search for text (above) in title of objects	No
search_text_in_keys	No value: activate search for text (above) in archive keys of objects	No
search_text_in_docu	No value: activate search for text (above) in docu tabs of objects	No
filters	<b>folder</b> (format: filters=[folder:<Regex>]) <b>type</b> (format: filters=[type:JOBP JOBS]) => see below for available Types <b>reversetype</b> (format: filters=[reversetype]) => reverse selection of types <b>created</b> (format: filters=[created:YYYYMMDDhhmm-YYYYMMDDhhmm]) <b>created</b> (format: filters=[created:LASTnperiod]) => see below for Periods <b>modified</b> (format: filters=[created:YYYYMMDDhhmm-YYYYMMDDhhmm]) <b>modified</b> (format: filters=[created:LASTnperiod]) => see below for Periods <b>used</b> (format: filters=[created:YYYYMMDDhhmm-YYYYMMDDhhmm]) <b>used</b> (format: filters=[created:LASTnperiod]) => see below for Periods	No

Available Types for TYPE selection in filters:

*CALE, PERIOD, CALL, CITC, CLNT, CODE, CONN, CPIT, DOCU, DASH, EVNT, FILTER, FOLD, HOST, HOSTG, HSTA, JOBI, LOGIN, PERIOD, PRPT, QUEUE, SERV, STORE, SYNC, TZ, USER, USRG, VARA, XSL*

Periods (**LASTnperiod**):

n: any integer (ex: 4)

period: YEARS, MONTHS, DAYS, HOURS, MINS, SECS

Examples:

LAST4MONTHS, LAST2YEARS, LAST60SECS, LAST5MINS

## Response

Status	Response
200	<pre>{   "status": "success",   "count": 8,   "data": [     {       "name": "PCK.AUTOMIC_SMOKE_WEB.PUB.ACTION.GET_SEARCH_TITLE",       "folder": "0100/PACKAGES/PCK.AUTOMIC_SMOKE_WEB/ACTIONS/CHECKS/SMOKE_WEB",       "title": "Web Smoke Test Get Search Title",       "type": "JOBP",       "open": ""     },     {       "name": "PCK.AUTOMIC_SMOKE_WEB.PUB.ACTION.GET_SEARCH_TITLE",       "folder": "0100/PACKAGES/PCK.AUTOMIC_SMOKE_WEB/SOURCE/GET_SEARCH_TITLE",       "title": "Web Smoke Test Get Search Title",       "type": "JOBP",       "open": ""     },     ...   ] }</pre>

## Calendars (Object Type: **Calendars**)

**list:**

*List all calendars.*

### Request

Method	URL
GET	/api/awa/list/v1/Calendars

### Parameters

parameter	description	mandatory

### Response

Status	Response
200	<pre>{   "status": "success",   "count": 39,   "data": [     {       "name": "CALE.REST.1",       "id": "1080088"     },     {       "name": "CALE.TEST.1",       "id": "1071001"     },     {       "name": "UC_HOLIDAYS.A",       "id": "97"     }   ] }</pre>

display:

*Display the content of a specific calendar.*

## Request

Method	URL
GET	/api/awa/display/v1/Calendars? <b>name</b> =CALE.REST.1

## Parameters

parameter	description	mandatory
<b>name</b>	<String> name of the calendar	Yes

## Response

Status	Response
200	<pre>{   "status": "success",   "count": 1,   "data": {     "name": "CALE.REST.1",     "type": "CALE",     "keywords": [       {         "name": "GROUP",         "static": false,         "weekly": false,         "monthly": false,         "yearly": false,         "roll": false,         "group": true,         "data": {           "all": [             {               "keywordAsString": "MON.TO.FRI",               "keyword": {                 "empty": false,                 "name": "MON.TO.FRI"               },               "name": {                 "empty": false,                 "name": "CALE.REST.1"               }             }           ]         }       }     ]   } }</pre>

## Changes (Object Type: **Changes**)

### search:

*Search for any changes made to AE (Audit Trail).*

### Request

Method	URL
GET	/api/awa/search/v1/Changes?filters=[type:RESTART CANCEL]

### Parameters

parameter	description	mandatory
maxresults	integer: max number of results to extract	No
filters	<p><b>type</b> (format: filters=[type:RESTART CANCEL]) =&gt; see below for available Types</p> <p><b>objname</b> (format: filters=[objname:&lt;Regex&gt;])</p> <p><b>username</b> (format: filters=[username:&lt;Regex&gt;])</p> <p><b>title</b> (format: filters=[title:&lt;Regex&gt;])</p> <p><b>type</b> (format: filters=[type:&lt;Regex&gt;])</p> <p><b>firstname</b> (format: filters=[firstname:&lt;Regex&gt;])</p> <p><b>lastname</b> (format: filters=[lastname:&lt;Regex&gt;])</p> <p><b>range</b> (format: filters=[range:YYYYMMDDhhmm-YYYYMMDDhhmm])</p> <p><b>range</b> (format: filters=[range:LASTnperiod]) =&gt; see below for Periods</p>	No

Available Types for TYPE selection in filters:

RESTART, CANCEL, DELETE, OBJ\_MOD, CREATE, RENAME, MOVE, IMPORT, RESTART, RUN\_MOD

Periods (**LASTnperiod**):

n: any integer (ex: 4)

period: YEARS, MONTHS, DAYS, HOURS, MINS, SECS

Examples:

LAST4MONTHS, LAST2YEARS, LAST60SECS, LAST5MINS



## Response

Status	Response
200	<pre>{   "status": "success",   "count": 1,   "data": [     {       "objectname": {         "empty": false,         "name": "MY.AUTO.CREATED.JOB.2"       },       "title": "",       "type": "DELETE",       "username": "ARA/ARA",       "timestamp": "2016-07-11 14:43:48",       "message": "Object 'MY.AUTO.CREATED.JOB.2' was deleted",       "firstname": "Automic",       "lastname": "ARA"     }   ] }</pre>

## Connection (Object Type: **Conn**)

### Display:

*Display the content of a Connection object (RA, DB or SAP)*

### Request

Method	URL
GET	/api/awa/display/v1/Conn? <b>name</b> =REST.AUTO.REST.CONN.1

### Parameters

parameter	description	mandatory
name	String: Name of the Connection object	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "count": 1,   "data": {     "name": "REST.AUTO.REST.CONN.1",     "title": "Template for RA Connections",     "key1": "",     "key2": "",     "access": "r",     "type": "CONN_CIT",     "connname": "RESTCONNECTION",     "solname": "WEBSERVICE",     "values": [       {         "xmlName": "authMethod",         "value": "Basic",         "type": null,         "connection": false,         "generalJobPanel": false,         "encryption": false       },       {         "xmlName": "basicHost",         "value": "",         "type": null,         "connection": false,         "generalJobPanel": false,         "encryption": false       },       ...     ]   } }</pre>



## **Client** (Object Type: **Client**)

### stop:

*Stop current Client (or any Client if connected from Client 0)*

### Request

Method	URL
GET	/api/awa/stop/v1/Client?client=0200

### Parameters

parameter	description	mandatory
client	integer: Number of Client to stop: This can only be used from Client 0.	No

### Response

Status	Response
200	<pre>{   "status": "success",   "message": "client stopped" }</pre>

go:

*Start / Go current Client (or any Client if connected from Client 0)*

## Request

Method	URL
GET	/api/awa/go/v1/Client?client=0200

## Parameters

parameter	description	mandatory
client	integer: Number of Client to start: This can only be used from Client 0.	No

## Response

Status	Response
200	<pre>{   "status": "success",   "message": "client started" }</pre>

## **Docu** (Object Type: **Docu**)

**show:**

*show docu content for any object.*

### Request

Method	URL
GET	/api/awa/show/v1/Docu?name=JOBS.ABC.EX.1

### Parameters

parameter	description	mandatory
name	String: Name of the object to retrieve Docu content from.	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "txtdocu": [     {       "name": "Docu",       "type": "text",       "content": "test\nhere is my docu\na rose by any other name"     },     {       "name": "tdetails",       "type": "text",       "content": "and here is my details in the text tab!"     }   ],   "xmldocu": [     {       "name": "xdetails",       "type": "xml",       "rootname": "Content"     }   ] }</pre>

## Engine (Object Type: **Engine**)

### display:

*display various data from the Engine (usage, messages, DB Info, clients, agents, groups, users, processes)*

### Request

Method	URL
GET	/api/awa/display/v1/Engine? <b>method</b> =JOBS.ABC.EX.1

### Methods

value	description	mandatory
<b>showengine</b>	Show list of CPs and WPs with performance counts (B01, B10, B60)	No
<b>showusage</b>	Show usage of all clients	No
<b>showmessages</b>	Show content of Message window	No
<b>showdb</b>	Show database info & performance counts for Message Queues	No
<b>showclients</b>	Show list of all clients, with timezone, activities and objects defined	No
<b>showhosts</b>	Show list of all agents defined	No
<b>showhostgroups</b>	Show list of all hostgroups defined	No
<b>showusers</b>	Show list of connected & active users with contact details, CP, etc.	No

## Response

Status	Response
200	<pre>{   "status": "success",   "count": 5,   "data": [     {       "name": {         "genericHost": false,         "empty": false,         "name": "DB_SERVICE"       },       "auth": "RWX",       "hardware": "DB_SERVICE",       "ip": "192.168.17.137",       "variant": "SQL",       "keepalive": "600",       "lastcheck": "2016-07-11 13:31:39",       "liccategory": "",       "licclass": "1",       "maxjobres": "UNLIMITED",       "numclients": "1",       "roles": "",       "software": "DB_SERVICE",       "softwareversion": "1.0",       "version": "11.2.1+build.390"     },     ...   ] }</pre>



## **Jobf** (Object Type: **Jobf**)

### Display:

*Display the content of a File Transfer object (JOBf)*

### Request

Method	URL
GET	/api/awa/display/v1/Jobf?name=REST.AUTO.JOBf.1

### Parameters

parameter	description	mandatory
name	String: Name of the JOBf object	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "count": 1,   "data": {     "name": "REST.AUTO.JOBf.1",     "access": "r",     "title": "",     "key1": "",     "key2": "",     "type": "JOBf",     "queue": {       "empty": false,       "name": "CLIENT_QUEUE"     },     "genatruntime": false,     "active": true,     "EstimatedRT": 0,     "MaxRT": 0,     "MinRT": 0,     "variables": {       "size": 0,       "data": []     },     "prompts": {       "status": "success",       "count": 0,       "data": []     },     "process": "",     "settings": {       "keepFileAttributes": false,       "maxParallelTransfers": 1,       "eraseSource": false, </pre>

```

"sourceHost": {
  "genericHost": false,
  "empty": false,
  "name": "WIN01"
},
"includeSubDirectories": false,
"transferFolderStructure": false,
"sourceFileAttributes": "",
"sourceLogin": {
  "empty": true,
  "name": ""
},
"compression": -1,
"sourceFile": "c:\\tests",
"formatBinary": false,
"destinationLogin": {
  "empty": true,
  "name": ""
},
"destinationFile": "/incoming/",
"destinationFileAttributes": "",
"formatText": true,
"destinationHost": {
  "genericHost": false,
  "empty": false,
  "name": "DOCKER"
},
"abortAtFirstError": false,
"wildcards": false,
"fileExistsAction": 1,
"sourceCodeTable": {
  "empty": true,
  "name": ""
},
"destinationCodeTable": {
  "empty": true,
  "name": ""
}
},
"values": {
  "inheritFromParent": 0
},
"versions": {
  "data": [
    {
      "name": "REST.AUTO.JOBF.1.OLD.20160712.165022",
      "version": 1
    }
  ]
}
}
}

```

## **Jobp** (Object Type: **Jobp**)

### Display:

*Display the content of a Workflow object (JOBP)*

### Request

Method	URL
GET	/api/awa/display/v1/Jobp?name=REST.AUTO.TESTS.JOBP.1

### Parameters

parameter	description	mandatory
name	String: Name of the JOBP object	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "count": 1,   "data": {     "name": "REST.AUTO.TESTS.JOBP.1",     "access": "r",     "title": "",     "key1": "",     "key2": "",     "type": "JOBP",     "numberoftasks": 5,     "queue": {       "empty": false,       "name": "CLIENT_QUEUE"     },     "genatruntime": false,     "active": true,     "EstimatedRT": 0,     "MaxRT": 0,     "MinRT": 0,     "variables": {       "size": 0,       "data": []     },     "prompts": {       "status": "success",       "count": 0,       "data": []     },     "process": "",     "tasks": [       { </pre>

```

"name": "START",
"title": "",
"icon": "<START>",
"host": null,
"inactive": false,
"type": "<START>",
"external": false,
"position": "[1:1]",
"dependencies": [],
"calendar": [],
"earliest": {
  "active": true,
  "time": {
    "hours": 0,
    "minutes": 0,
    "seconds": 0
  },
  "earliestStart": false,
  "breakPoint": false,
  "daysAfterJobPlanActivation": 0,
  "timezone": {
    "empty": true,
    "name": ""
  }
},
"general": {
  "deploymentDependency": "NA",
  "time": {
    "hours": 0,
    "minutes": 0,
    "seconds": 0
  },
  "requestParameterAtWFStart": false,
  "timeCheckpoint": false,
  "alias": null,
  "daysAfterJobPlanActivation": 0,
  "rollbackEnabled": false,
  "timezone": {
    "empty": true,
    "name": ""
  },
  "runPerPatch": false,
  "requestTaskParameters": false,
  "execute": {
    "empty": true,
    "name": ""
  }
},
"postconditions": [],
"preconditions": [],
"runtime": {
  "executeObject": {
    "empty": true,
    "name": ""
  },
  "cancelJobAboveMRT": false,
  "useTaskSettings": true
},
"values": {
  "inheritFromParent": 0
}
},

```

...

## create:

Create a JOBP Object.

## Request

Method	URL
POST	/api/awa/create/v1/Jobp?commit=Y

## Parameters

parameter	description	mandatory
<b>commit</b>	Y: commit operation (otherwise simulation only)	No

## JSON Body Example

description	mandatory
<pre>{   "type" : "JOBP",   "folder" : "0100/LAB",   "name" : "WF.TEST.10",   "title" : "Workflow Test",   "key1" : "",   "key2" : "",   "queue" : "CLIENT_QUEUE",   "status" : "active",   "genatruntime" : "true",   "process" : "",   "tasks" :     [       {         "name": "WF.TASK.1",         "x": 2,         "y": 1,         "predecessors":           [             {               "name": "START",               "tasknum": 1,               "status": "ANY_OK"             }           ]       },       {         "name": "WF.TASK.2",         "x": 3,         "y": 1, </pre>	Yes

```

        "predecessors":
        [
            {
                "name": "WF.TASK.1",
                "tasknum": 3,
                "status": "ANY_OK"
            }
        ],
        {
            "name": "WF.TASK.3",
            "x": 4,
            "y": 2,
            "predecessors":
            [
                {
                    "name": "WF.TASK.1",
                    "tasknum": 3,
                    "status": "ANY_OK"
                }
            ],
            {
                "name": "END",
                "x": 5,
                "y": 1,
                "predecessors":
                [
                    {
                        "name": "WF.TASK.2",
                        "tasknum": 4,
                        "status": "ANY_OK"
                    },
                    {
                        "name": "WF.TASK.3",
                        "tasknum": 5,
                        "status": "ANY_OK"
                    }
                ]
            }
        ]
    }
}

```

## Response

Status	Response
200	<pre> {   "status": "success",   "commit": false,   "simulate": true,   "message": "Object created simulated successfully" } </pre>

## **Jobs** (Object Type: **Jobs**)

**display:**

*display the definition of a JOBS object*

### Request

Method	URL
GET	/api/awa/display/v1/Jobs? <b>name</b> =JOBS.ABC.EX.1& <b>v</b> =3

### Parameters

parameter	description	mandatory
<b>name</b>	String: Name of the object to display.	Yes
<b>v</b>	Integer: Version of object to display	No

### Response

Status	Response
200	<pre>{   "status": "success",   "count": 1,   "data": {     "name": "REST.API.JOBS.WIN.RUN.1",     "title": "",     "key1": "",     "key2": "",     "type": "JOBS_WINDOWS",     "host": {       "genericHost": false,       "empty": false,       "name": "WIN01"     },     "login": {       "empty": false,       "name": "LOGIN.WIN01"     },     "queue": {       "empty": false,       "name": "CLIENT_QUEUE"     },     "genatruntime": false,     "access": "r",     "active": true,     "jobtype": null,     "EstimatedRT": 4,   } }</pre>

```

"MaxRT": 0,
"MinRT": 0,
"variables": {
  "size": 0,
  "data": []
},
"prompts": {
  "status": "success",
  "count": 1,
  "data": [
    {
      "name": "REST.API.PRMP.T.1",
      "elements": 1
    }
  ]
},
"process": "! insert these lines in your script to determine if an error occurred\n!\nping -n
5 127.0.0.1\n\n! @set retcode=%errorlevel%\n! @if NOT %ERRORLEVEL% == 0 goto :retcode\n",
"preprocess": "",
"postprocess": "",
"versions": {
  "data": [
    {
      "name": "REST.API.JOBS.WIN.RUN.1.OLD.20160701.152434",
      "version": 3
    },
    {
      "name": "REST.API.JOBS.WIN.RUN.1.OLD.20160701.152236",
      "version": 2
    },
    {
      "name": "REST.API.JOBS.WIN.RUN.1.OLD.20160701.152226",
      "version": 1
    }
  ]
}
}
}
}

```



search:

*DEPRECATED: Use search function with All <object type> instead.*

## create:

*Create a JOBS Object.*

## Request

Method	URL
POST	/api/awa/create/v1/Jobs?commit=Y

## Parameters

parameter	description	mandatory
<b>commit</b>	Y: commit operation (otherwise simulation only)	No

## JSON Body

description	mandatory
<pre>{   "type" : "JOBS_WIN",   "folder" : "0100/REST.API.TESTS",   "name" : "MY.AUTO.CREATED.JOB.1",   "title" : "My Title",   "key1" : "Key 1",   "key2" : "Key 2",   "host" : "WIN01",   "login" : "LOGIN.GENERAL",   "queue" : "CLIENT_QUEUE",   "status" : "active",   "genatruntime" : "true",   "process" : "echo running!",   "preprocess" : "",   "postprocess" : "" }</pre>	Yes

### Available Types:

JOBS\_BS2000, JOBS\_GCOS8, JOBS\_JMX, JOBS\_MPE, JOBS\_NSK, JOBS\_OA, JOBS\_OS390, JOBS\_OS400, JOBS\_PS, JOBS\_SAP\_ABAP, JOBS\_SAP\_JAVA, JOBS\_SAP\_PI, JOBS\_SIEBEL, JOBS\_SQL, JOBS\_UNIX, JOBS\_VMS, JOBS\_WIN, JOBS\_GENERIC

## Response

Status	Response
200	<pre>{   "status": "success",   "commit": false,   "simulate": true,   "message": "Object created simulated successfully" }</pre>

## update:

*Update one or more JOBS Objects.*

## Request

Method	URL
POST	/api/awa/update/v1/jobs?commit=Y

## Parameters

parameter	description	mandatory
<b>commit</b>	Y: commit operation (otherwise simulation only)	No

## JSON Body

description	mandatory
<pre>{   "std_filters": {     "date_from": "YYYYMMDDhhmm",     "date_search": false,     "date_search_type": "created modified used",     "date_to": "YYYYMMDDhhmm",     "include_links": true,     "name": "*",     "search_for_usage": false,     "search_text": false,     "search_text_docu": false,     "search_text_key": false,     "search_text_process": false,     "search_text_title": false,     "text": "*"   },   "spec_filters": {     "active": "&lt;boolean&gt;",     "inactive": "&lt;boolean&gt;",     "postprocess": "&lt;Regex: Expression to Match&gt;",     "preprocess": "&lt;Regex: Expression to Match&gt;",     "process": "&lt;Regex: Expression to Match&gt;"   },   "updates": {     "addvar": "&lt;String: variable name&gt;,&lt;String: variable value&gt;",     "delvar": "&lt;String: variable name&gt;",     "genatruntime": "&lt;boolean&gt;",     "host": "&lt;Regex: expression to Match&gt;,&lt;String: new value&gt;",     "key1": "&lt;Regex: expression to Match&gt;,&lt;String: new value&gt;"   } }</pre>	Yes

```
"key2": "<Regex: expression to Match>,<String: new value>",
"login": "<Regex: expression to Match>,<String: new value>",
"postprocess": "<Regex: expression to Match>,<String: new value>",
"preprocess": "<Regex: expression to Match>,<String: new value>",
"process": "<Regex: expression to Match>,<String: new value>",
"queue": "<Regex: expression to Match>,<String: new value>",
"status": "<active|inactive>",
"title": "<Regex: expression to Match>,<String: new value>",
"updvar": "<String: variable name>,<Regex: expression to
Match>,<String: new value>"
}
}
```

Note on Body for Updates:

There is 3 separate sections: **std\_filters**, **spec\_filters** and **updates**

**Std\_filters**: standard filters used to identify objects to modify (those are general filters that apply to all object types) => you can remove which ever parameter is unnecessary

**Spec\_filters**: filters used to further filter out selected objects: those are specific to the object type => you can remove which ever parameter is unnecessary

**Updates**: list of updates to carry out on selected objects => you can remove which ever parameter is unnecessary

Example body

content

```
{
  "spec_filters": {
    "active": true,
    "inactive": true,
    "postprocess": "(.*|\\n)*",
    "preprocess": "(.*|\\n)*",
    "process": "(.*|\\n)*"
  },
  "std_filters": {
    "name": "*AUTO.RUNNABLE*",
    "search_for_usage": false,
    "search_text": false,
    "search_text_docu": false,
    "search_text_key": false,
    "search_text_process": false,
    "search_text_title": false,
    "text": "*"
  },
  "updates": {
    "status": "inactive"
  }
}
```

Response

Status	Response
200	<pre> {   "status": "success",   "commit": false,   "count": 1,   "data": [     {       "name": "REST.AUTO.RUNNABLE.JOBS.1",       "title": "OLDTITLE",       "key1": "OLDKEY1",       "key2": "OLDKEY2",       "type": "JOBS_WINDOWS",       "host": {         "genericHost": false,         "empty": false,         "name": "WIN01"       },       "login": {         "empty": false,         "name": "LOGIN.WIN01"       },       "queue": {         "empty": false,         "name": "CLIENT_QUEUE"       },       "genatruntime": false,       "access": "r",       "active": false,       "jobtype": null,       "variables": {         "size": 0,         "data": []       },       "prompts": {         "status": "success",         "count": 0,         "data": []       },       "process": "! insert these lines in your script to determine if an error occurred\necho something!\nping -n 120 127.0.0.1\n! @set retcode=%errorlevel%\n! @if NOT %ERRORLEVEL% == 0 goto :retcode\n",       "preprocess": ":SET &amp;bbb_flag# = 'Y'\n:PRINT SBB FLAG &amp;bbb_flag#",       "postprocess": ""     }   ] } </pre>

## delete:

*Delete one or more JOBS Objects.*

## Request

Method	URL
POST	/api/awa/delete/v1/Jobs?commit=Y

## Parameters

parameter	description	mandatory
<b>commit</b>	Y: commit operation (otherwise simulation only)	No

## JSON Body

description	mandatory
<pre>{   "std_filters": {     "date_from": "YYYYMMDDhhmm",     "date_search": false,     "date_search_type": "created modified used",     "date_to": "YYYYMMDDhhmm",     "include_links": true,     "name": "*",     "search_for_usage": false,     "search_text": false,     "search_text_docu": false,     "search_text_key": false,     "search_text_process": false,     "search_text_title": false,     "text": "*"   },   "spec_filters": {     "active": "&lt;boolean&gt;",     "inactive": "&lt;boolean&gt;",     "postprocess": "&lt;Regex: Expression to Match&gt;",     "preprocess": "&lt;Regex: Expression to Match&gt;",     "process": "&lt;Regex: Expression to Match&gt;"   } }</pre>	Yes

Note on Body for Deletes:

There is 2 separate sections: **std\_filters**, **spec\_filters**

**Std\_filters:** standard filters used to identify objects to delete (those are general filters that apply to all object types) => you can remove which ever parameter is unnecessary

**Spec\_filters:** filters used to further filter out selected objects: those are specific to the object type => you can remove which ever parameter is unnecessary

Example body

content
<pre>{   "std_filters":   {     "name" : "MY.AUTO.CREATED.*",     "include_links" : false,     "search_for_usage" : false   } }</pre>

Response

Status	Response
200	<pre>{   "status": "success",   "commit": true,   "simulate": false,   "count": 1,   "delete": [     {       "name": "MY.AUTO.CREATED.JOB.2",       "type": "JOBS_WINDOWS"     }   ] }</pre>



## **Notifications** (Object Type: **Notifications**)

**show:**

*Show all active notifications for a given user.*

### Request

Method	URL
GET	/api/awa/show/v1/Notifications

### Parameters

parameter	description	mandatory
-----------	-------------	-----------

### Response

Status	Response
200	<pre>{   "status": "success",   "count": 0,   "data": [] }</pre>

## Prompts (Object Type: **Prompts**)

check:

*Check whether a running task has pending Promptsets.*

### Request

Method	URL
GET	/api/awa/check/v1/prompts?runid=1370172

### Parameters

parameter	description	mandatory
<b>runid</b>	Integer: runid of the task to retrieve prompts from	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "count": 1,   "data": [     {       "name": "REST.AUTO.PRPT.1",       "type": "PROMPTSET",       "width": 441,       "elements": [         {           "type": "label",           "variable": "LABEL1#",           "value": null,           "values": null,           "data": {             "caption": "Please Provide Info:"           }         },         {           "type": "combo",           "variable": "BU#",           "value": "Finance",           "values": null,           "data": {             "caption": "BU",             "dynamic": false,             "locked": false,             "possiblevalues": [               "Finance",               "HR", </pre>

	<pre>        "Sales"       ]     }   },</pre>
--	---

## Statistics (Object Type: **Statistics**)

search:

*get statistics for filtered objects*

### Request

Method	URL
GET	/api/awa/search/v1/Statistics?filters=[name:REST*,status:1900,start:LAST48HOURS]

### Parameters

parameter	description	mandatory
filters	<p>name (format: filters=[name:&lt;String&gt;])</p> <p>status (format: filters=[status:&lt;integer&gt;])</p> <p>key1 (format: filters=[key1:&lt;String&gt;])</p> <p>key2 (format: filters=[key2:&lt;String&gt;])</p> <p>type (format: filters=[type:JOBP JOBS]) =&gt; see below for available types</p> <p>alias (format: filters=[alias:&lt;String&gt;])</p> <p>client (format: filters=[client:&lt;Integer&gt;])</p> <p>queue (format: filters=[queue:&lt;String&gt;])</p> <p>runid (format: filters=[runid:&lt;Integer&gt;])</p> <p>platform (format: filters=[type:WIN]) =&gt; see below for available platforms</p> <p>activation (format: filters=[activation:LASTnperiod]) =&gt; see below for Periods</p> <p>activation (format: filters=[ activation:YYYYMMDDhhmm-YYYYMMDDhhmm])</p> <p>start (format: filters=[start:LASTnperiod]) =&gt; see below for Periods</p> <p>start (format: filters=[start:YYYYMMDDhhmm-YYYYMMDDhhmm])</p> <p>end (format: filters=[end:LASTnperiod]) =&gt; see below for Periods</p> <p>end (format: filters=[end:YYYYMMDDhhmm-YYYYMMDDhhmm])</p>	No

Available Types for TYPE selection in filters:

API, C\_HOSTG, C\_PERIOD, CALL, CPIT, CLNT, EVNT, EVNT\_CHILD, HOST, JOBD, JOBF, JOBG, JOBP, JOBQ, JOBS, JSCH, REPORT, SCRI, SERV, SYNC, USER

Available Platforms for PLATFORM selection in filters:

WIN, UNIX, BS2000, CIT, GCO, JMX, MAIL, MPE, MVS, NSK, OA, OS400, PS, SIEBEL, R3, SQL, VMS

Periods (**LASTnperiod**):

n: any integer (ex: 4)  
period: YEARS, MONTHS, DAYS, HOURS, MINS, SECS

Examples:

LAST4MONTHS, LAST2YEARS, LAST60SECS, LAST5MINS

## Response

Status	Response
200	<pre> {   "status": "success",   "count": 48,   "data": [     {       "name": "REST.API.JOBS.WIN.SCHEDULED.RUN.1",       "type": "JOBS",       "desc": "",       "platform": "Windows",       "runid": 1369126,       "parent": 1369125,       "user": {         "empty": false,         "name": "ARA/ARA"       },       "starttime": "2016-07-11 11:31:34",       "status": "state_ended",       "statuscode": 1900,       "statusdesc": "ENDED_OK - ended normally",       "archive1": "",       "archive2": "",       "endtime": "2016-07-11 11:31:39",       "runtime": "0:00:05",       "host": "WIN01",       "queue": "CLIENT_QUEUE",       "starttype": "&lt;PERIOD&gt;",       "activation_time": "2016-07-11 11:31:18",       "client": "0100",       "comment": "false",       "message": null,       "version": 1     },     ...   ] } </pre>

get:

*Get Statistics for a specific Object.*

## Request

Method	URL
GET	/api/awa/get/v1/Statistics? <b>name</b> =REST.AUTO.RUNNABLE.JOBS.1

## Parameters

parameter	description	mandatory
<b>name</b>	String: Name of Object to get Statistics from.	Yes

## Response

Status	Response
200	<pre>{   "status": "success",   "count": 46,   "data": [     {       "name": "REST.AUTO.RUNNABLE.JOBS.1",       "type": "JOBS",       "desc": "",       "platform": "Windows",       "runid": 1369339,       "parent": -1,       "user": {         "empty": false,         "name": "ARA/ARA"       },       "starttime": "2016-07-11 19:47:38",       "status": "state_ended:rs1",       "statuscode": 1900,       "statusdesc": "ENDED_OK - ended normally",       "archive1": "OLDKEY1",       "archive2": "OLDKEY2",       "endtime": "2016-07-11 19:49:37",       "runtime": "0:01:59",       "host": "WIN01",       "queue": "CLIENT_QUEUE",       "starttype": "",       "activation_time": "2016-07-11 19:47:37",       "client": "0100",       "comment": "false",       "message": null,       "version": 5     },     ...   ] }</pre>

**Connection** (Object Type: **Conn**)

## Users (Object Type: Users)

list:

*List active and inactive users*

### Request

Method	URL
GET	/api/awa/list/v1/Users

### Parameters

parameter	description	mandatory

### Response

Status	Response
200	<pre>{   "status": "success",   "count": 387,   "data": [     {       "name": "ARA/ARA",       "firstname": "Automic",       "lastname": "ARA",       "isloggedon": true,       "arch1": "",       "arch2": "",       "client": 100,       "host": "WIN-GTPQGE3F9J6",       "language": "E",       "lastsession": "2016-07-17 03:41:19",       "mail1": "automic@foocompany.com",       "mail2": "",       "remoteid": " ",       "sessionid": 1369359,       "sessiontz": "",       "usertz": {         "empty": true,         "name": ""       },       "version": "11.2.0+build.2347",       "active": true,       "cp": "AUTOMIC#CP002#00000370",       "id": "0001002001 0001369359"     },     ...   ] }</pre>

## disconnect:

*Disconnect a user (requires adequate privileges).*

### Request

Method	URL
GET	/api/awa/disconnect/v1/Users?name=PROD/PROD

### Parameters

parameter	description	mandatory
name	String: Name of the User to disconnect (USER/DEPARTMENT)	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "message": "Disconnect Request Processed." }</pre>



## checkpriv:

*Get the list of privileges associated with a user.*

### Request

Method	URL
GET	/api/awa/disconnect/v1/Users?name=PROD/PROD

### Parameters

parameter	description	mandatory
name	String: Name of the User to disconnect (USER/DEPARTMENT)	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "count": 38,   "data": [     {       "name": "ARA/ARA",       "privilege": "ACCESS_NOFOLDER",       "result": true     },     {       "name": "ARA/ARA",       "privilege": "ACCESS_RECYCLE_BIN",       "result": true     },     {       "name": "ARA/ARA",       "privilege": "ACCESS_SYSTEM_OVERVIEW",       "result": true     }   ], }</pre>

## checkperm:

*Check the permissions of a User on a specific AE Object.*

### Request

Method	URL
GET	/api/awa/checkperm/v1/Users? <b>name</b> =REST.AUTO.RUNNABLE.JOBS.1& <b>type</b> =JOBS& <b>right</b> =R

### Parameters

parameter	description	mandatory
<b>name</b>	String: Name of the object to check rights to.	Yes
<b>type</b>	String: Type of Objects (JOBP, JOBS, JOBF, CALE, etc.)	Yes
<b>right</b>	Char: Right to check (R, W, X, D, C, S, P, M, L)	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "count": 1,   "access": "R",   "name": "REST.AUTO.RUNNABLE.JOBS.1",   "type": "JOBS",   "result": true }</pre>

## Release Automation Requests (ara)

This section describes requests that are specific to ARA / Release Manager. Each <object type> is detailed thru all corresponding available <actions>.

## All (Object Type: All)

### delete:

*delete ARA / RM objects*

### Request

Method	URL
GET	/api/ara/delete/v1/All?name=MY.PROFILE.1&type=DeploymentProfile&failifmissing=YES

### Parameters

parameter	description	mandatory
name	String: Name of the object	Yes
type	String: Type of RM / ARA object to delete	Yes
failifmissing	YES or NO: returns failure if object is not found	No

### Response

Status	Response
200	<pre>{   "status": "success",   "commit": true,   "simulate": false,   "code": 0,   "message": " Object '29100' deleted RESULT-ID: 29100" }</pre>

## Entities (Object Type: **Entities**)

archive:

archive ARA / RM entities (Profiles, Environments, etc.)

### Request

Method	URL
GET	/api/ara/archive/v1/Entities?name=EnvTest01_ToArchive&type=Environment

### Parameters

parameter	description	mandatory
<b>type</b>	String: Entity Type (ex: DeploymentProfile)	Yes
<b>name</b>	String: Name of entity to archive	No
<b>folder</b>	String: ARA Folder Name in which the entity is	No
<b>customtype</b>	String: Custom Type of Entity	No
<b>startdate</b>	String: start date (YYYYMMDDhhmm)	No
<b>enddate</b>	String: end date (YYYYMMDDhhmm)	No
<b>conditions</b>	String: additional conditions (?)	No

### Response

Status	Response
200	<pre>{   "status": "success",   "commit": true,   "simulate": false,   "code": 0,   "message": " ===== Operation Result ===== Export command is executed successfully &lt;?xml version=\"1.0\" encoding=\"utf-8\"?&gt;\n&lt;Sync xmlns:xsi=\"http://www.w3.org/2001/XMLSchema-instance\" xsi:noNamespaceSchemaLocation=\"sync.xsd\"&gt;\n  &lt;Entity mainType=\"Environment\" customType=\"Generic\" typeVersion=\"1.0.0</pre>

```
PCK.AUTOMIC_BOND\">\n    <Property name=\"system_id\">\n
<Value>29102</Value>\n    </Property>\n </Entity>\n</Sync>
===== Operation Result ===== Export command is
executed successfully <?xml version=\"1.0\" encoding=\"utf-8\"?>\n<Sync
xmlns:xsi=\"http://www.w3.org/2001/XMLSchema-instance\"
xsi:noNamespaceSchemaLocation=\"sync.xsd\">\n <Entity
mainType=\"Environment\" customType=\"Generic\" typeVersion=\"1.0.0
PCK.AUTOMIC_BOND\">\n    <Property name=\"system_id\">\n
<Value>29102</Value>\n    </Property>\n    <Property
name=\"system_archived\">\n    <Value>False</Value>\n    </Property>\n
</Entity>\n</Sync> XML-Content: <?xml version=\"1.0\" encoding=\"utf-8\"
standalone=\"no\"?><Sync xmlns:xsi=\"http://www.w3.org/2001/XMLSchema-
instance\" xsi:noNamespaceSchemaLocation=\"sync.xsd\">    <Entity
customType=\"Generic\" mainType=\"Environment\" typeVersion=\"1.0.0
PCK.AUTOMIC_BOND\">    <Property isIdentity=\"true\" name=\"system_id\">
<Value>29102</Value>    </Property>    <Property name=\"system_archived\">
<Value>True</Value>    </Property>    </Entity> </Sync> =====
Operation Result ===== Import command is executed successfully
Finished archiving successfully"
}
```

## **Environments** (Object Type: **Environments**)

**create:**

*create an ARA / RM environment entity*

### Request

Method	URL
GET	/api/ara/create/v1/Environments? <b>name</b> =EnvTest01& <b>folder</b> =RESTAPI_DEV& <b>type</b> =Generic

### Parameters

parameter	description	mandatory
<b>type</b>	String: Type of Environment to create (ex: Generic)	Yes
<b>name</b>	String: Name of environment to create	Yes
<b>folder</b>	String: ARA Folder the entity should belong to	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "commit": true,   "simulate": false,   "code": 0,   "message": " ===== Operation Result ===== Import command is executed successfully Environment-ID: 29104 MY.ENV.1" }</pre>

## **Folders** (Object Type: **Folders**)

get:

*get ARA / RM folder from an entity name*

### Request

Method	URL
GET	/api/ara/get/v1/Folders? <b>name</b> =Dev_RestApi& <b>type</b> =Environment

### Parameters

parameter	description	mandatory
<b>type</b>	String: Type of Entity (ex: DeploymentTarget)	Yes
<b>name</b>	String: Name of entity	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "commit": true,   "simulate": false,   "code": 0,   "message": "  RESTAPI_DEV " }</pre>



set:

*set ARA / RM folder for an ARA entity*

## Request

Method	URL
GET	/api/ara/set/v1/Folders? <b>name</b> =Dev_RestApi& <b>type</b> =Environment& <b>folder</b> =RESTAPI_QA

## Parameters

parameter	description	mandatory
<b>type</b>	String: Type of Entity (ex: DeploymentTarget)	Yes
<b>name</b>	String: Name of entity	Yes
<b>Folder</b>	String: Name of folder to set the entity to	Yes

## Response

Status	Response
200	<pre>{   "status": "success",   "commit": true,   "simulate": false,   "code": 0,   "message": "  Setting Folder 'RESTAPI_QA' [ObjectID = 28391] ... DMTool: Folder 'RESTAPI_QA' [ObjectID = 28391] is set successfully. " }</pre>

## Owners (Object Type: **Owners**)

get:

*get ARA / RM owner from an entity name*

### Request

Method	URL
GET	/api/ara/get/v1/Owners? <b>name</b> =Dev_RestApi& <b>type</b> =Environment

### Parameters

parameter	description	mandatory
<b>type</b>	String: Type of Entity (ex: DeploymentTarget)	Yes
<b>name</b>	String: Name of entity	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "commit": true,   "simulate": false,   "code": 0,   "message": " 100/ARA/ARA " }</pre>

set:

*set ARA / RM owner for an ARA entity*

## Request

Method	URL
GET	/api/ara/set/v1/Owners? <b>name</b> =Dev_RestApi& <b>type</b> =Environment& <b>owner</b> =100/PROD/PROD

## Parameters

parameter	description	mandatory
<b>type</b>	String: Type of Entity (ex: DeploymentTarget)	Yes
<b>name</b>	String: Name of entity	Yes
<b>owner</b>	String: new Client/Login/Dept owner of the object	Yes

## Response

Status	Response
200	<pre>{   "status": "success",   "commit": true,   "simulate": false,   "code": 0,   "message": " ===== Operation Result ===== Export command is executed successfully &lt;?xml version='1.0' encoding='utf-8'?'&gt;\n&lt;Sync xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance' xsi:noNamespaceSchemaLocation='sync.xsd'&gt;\n  &lt;Entity mainType='Environment' customType='Non-Production' typeVersion='1.0.0 PCK.AUTOMIC_BOND'&gt;\n    &lt;Property name='system_id'&gt;\n &lt;Value&gt;28391&lt;/Value&gt;\n    &lt;/Property&gt;\n  &lt;/Entity&gt;\n&lt;/Sync&gt; Object 'Dev_RestApi' found with id 28391 Server reported 'Import command is executed successfully' Owner of object Dev_RestApi set to 100/PROD/PROD" }</pre>

## **Packages** (Object Type: **Packages**)

**create:**

*create a new ARA / RM deployment package*

### Request

Method	URL
GET	/api/ara/create/v1/Packages? <b>pck</b> =RestApi.00016& <b>folder</b> =RestAPI_DEV& <b>type</b> =RestAPI& <b>app</b> =RESTAPI_TESTS

### Parameters

parameter	description	mandatory
<b>pck</b>	String: package name	Yes
<b>folder</b>	String: ARA folder name	Yes
<b>type</b>	String: package type	Yes
<b>app</b>	String: ARA application name	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "commit": true,   "simulate": false,   "code": 0,   "message": "  Creating Package 'RestApi.00017' ... Package-ID: 29107 "</pre>

## getstate:

*get the current state of a deployment package*

### Request

Method	URL
GET	/api/ara/getstate/v1/Packages? <b>pck</b> =RestApi.00006

### Parameters

parameter	description	mandatory
<b>pck</b>	String: package name or ID	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "pckname": "RestApi.00006",   "pckid": "28571",   "state": " State1" }</pre>

## chgstate:

*Change the current state of a deployment package*

### Request

Method	URL
GET	/api/ara/chgstate/v1/Packages? <b>pck</b> =RestApi.00006& <b>newstate</b> =State1& <b>currentstate</b> =Ready To Go& <b>notmatching</b> =SKIP

### Parameters

parameter	description	mandatory
<b>pck</b>	String: package name or ID	Yes
<b>newstate</b>	String: target state for package	Yes
<b>currentstate</b>	String: current state of package	Yes
<b>notmatching</b>	SKIP or FAIL: what to return if the change fails	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "commit": true,   "simulate": false,   "code": 0,   "message": " Current State 'Ready To Go' does not match [State1 &lt;=&gt;Ready To Go] RESULT-STATUS: State1 " }</pre>

## Profiles (Object Type: **Profiles**)

### create:

*create a new ARA / RM deployment profile*

### Request

Method	URL
GET	/api/ara/create/v1/Profiles?name=RestAPI.TestProfile&folder=RESTAPI_DEV&owner=100/ARA/ARA&env=Dev_Res tApi&app=84.51_Oracle

### Parameters

parameter	description	mandatory
name	String: deployment profile name	Yes
folder	String: ARA folder name	Yes
owner	String: owner name (client/login/dept, ex: 100/ARA/ARA)	Yes
app	String: ARA application name	Yes
env	String ARA environment name	Yes

### Response

Status	Response
200	<pre>{   "status": "success",   "commit": true,   "simulate": false,   "code": 0,   "message": "  Creating/Updating Profile 'RestAPI.TestProfile' ... Profile- ID: 29115 " }</pre>

getid:

*get id of an existing ARA / RM deployment profile*

## Request

Method	URL
GET	/api/ara/create/v1/Profiles? <b>name</b> =RestAPI.TestProfile& <b>app</b> =84.51_Oracle

## Parameters

parameter	description	mandatory
<b>name</b>	String: deployment profile name	Yes
<b>app</b>	String: ARA application name	Yes

## Response

Status	Response
200	<pre>{   "status": "success",   "commit": true,   "simulate": false,   "code": 0,   "message": " PROFILE-ID: 29115" }</pre>



## **properties** (Object Type: **Properties**)

**show:**

*show a dynamic property of an ARA / RM entity*

### Request

Method	URL
GET	/api/ara/show/v1/Properties? <b>name</b> =mypropname& <b>objname</b> =Dev_RestApi& <b>objtype</b> =Environment& <b>namespace</b> =root/branch1

### Parameters

parameter	description	mandatory
<b>name</b>	String: name of the dynamic property	Yes
<b>objname</b>	String: name or ID of the object on which the property is	Yes
<b>objtype</b>	String: type of object on which the property is	Only if name is passed instead of ID
<b>namespace</b>	String: namespace of the property to retrieve	No
<b>failifmissing</b>	No value: fail message if property not found	No

### Response

Status	Response
200	<pre>{   "status": "success",   "commit": true,   "simulate": false,   "code": 0,   "message": " Property-Value: 1234" }</pre>

## getid:

*get id of an existing ARA / RM dynamic property*

### Request

Method	URL
GET	/api/ara/getid/v1/Properties? <b>name</b> =name& <b>objname</b> =Dev_RestApi& <b>objtype</b> =Environment& <b>namespace</b> =root/branch1

### Parameters

parameter	description	mandatory
<b>name</b>	String: name of the dynamic property	Yes
<b>objname</b>	String: name or ID of the object on which the property is	Yes
<b>objtype</b>	String: type of object on which the property is	Only if name is passed instead of ID
<b>namespace</b>	String: namespace of the property to retrieve	No

### Response

Status	Response
200	<pre>{   "status": "success",   "commit": true,   "simulate": false,   "code": 0,   "message": " PROPERTY-ID: 29036" }</pre>

## set:

*Set a new or update an existing ARA / RM dynamic property*

## Request

Method	URL
GET	/api/ara/set/v1/Properties? <b>name</b> =telephone& <b>objname</b> =Dev_RestApi& <b>objtype</b> =Environment& <b>namespace</b> =root/branch1& <b>valuetype</b> =Static& <b>proptype</b> =SingleLineText& <b>value</b> =7814911234

## Parameters

parameter	description	mandatory
<b>name</b>	String: name of the dynamic property	Yes
<b>objname</b>	String: name or ID of the object on which the property is	Yes
<b>value</b>	String: new value of the dynamic property	Yes
<b>valuetype</b>	Values: <b>Static</b> or <b>Expression</b> or <b>Prompt</b> : type of dynamic prop value	Yes
<b>proptype</b>	Values: <b>Number</b> , <b>Protected</b> , <b>ShortText</b> , <b>SingleLineText</b> , <b>List</b> : Property type	Yes
<b>objtype</b>	String: type of object on which the property is	Only if name is passed instead of ID
<b>namespace</b>	String: namespace of the property to retrieve	No
<b>highlighted</b>	No value: highlight dynamic property	No

## Response

Status	Response
200	<pre>{   "status": "success",   "commit": true,   "simulate": false,   "code": 0,   "message": "  Creating/Updating Property '/root/branch1/telephone' ... DMTool:  Property '/root/branch1/telephone' is created successfully. " }</pre>

## **targets** (Object Type: **Targets**)

### create:

*Create or Update an ARA/RM Deployment Target*

### Request

Method	URL
GET	/api/ara/create/v1/Targets? <b>name</b> =RestAPI_Tomcat_Dev_TESTS& <b>folder</b> =RESTAPI_DEV& <b>type</b> =Tomcat& <b>owner</b> =100/ARA/ARA

### Parameters

parameter	description	mandatory
<b>name</b>	String: name of the target	Yes
<b>folder</b>	String: name of the ARA folder	Yes
<b>type</b>	String: Deployment Target type	Yes
<b>owner</b>	String: owner (client/dept/login, ex: 100/ARA/ARA)	No
<b>env</b>	String: name of ARA environment	No
<b>agent</b>	String: name of corresponding AE agent	No
<b>failifexists</b>	No value: fail message if target exists already (update otherwise)	No

### Response

Status	Response
200	<pre>{   "status": "success",   "commit": true,   "simulate": false,   "code": 0,   "message": "  Creating/Updating Target 'RestAPI_Tomcat_Dev_TESTS' ... Target-ID: 29123 " }</pre>

## Workflows (Object Type: **workflows**)

### deployapp:

*Execute a deployment workflow*

#### Request

Method	URL
GET	/api/ara/deployapp/v1/Workflows? <b>wfname</b> =DeployWF& <b>appname</b> =MY.APP& <b>pckname</b> =Pck.001& <b>profile</b> =DevProfile1& <b>skip</b> =NO

#### Parameters

parameter	description	mandatory
<b>wfname</b>	String: workflow name	Yes
<b>appname</b>	String: application name	Yes
<b>pckname</b>	String: package name	Yes
<b>profile</b>	String: profile name	Yes
<b>skip</b>	YES or NO: skip components already deployed	Yes

#### Response

Status	Response
200	

**deploygen:**

*Execute a general / standard workflow*

## Request

Method	URL
GET	/api/ara/deployapp/v1/Workflows? <b>wfname</b> =TransitionWF

## Parameters

parameter	description	mandatory
<b>wfname</b>	String: workflow name	Yes

## Response

Status	Response
200	