



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

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 **arauri** 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= < UC4RegEx >)"], "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= ARA &pwd= ara &connection= AEPROD &client= 100

Response

Status	Response
200	<pre>{ "status": "success", "token": "44v4pvlmbbraa2m8frv6jdotd", "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
scope	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?token=dfgkgjhdsflhjs324sdf

Response

Status	Response
200	<pre>{ "status": "success", "count": 1, "data": [{ "token": "44v4pv1mbbraa2m8frv6jdotd", "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
internal	<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
internal	<i>No value:</i> decrypt using special key file (compatible with AE Connection Strings)	No

Response

Status	Response
200	<pre>{ "status": "success", "encrypted": "Unlver\$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:JOB 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
runid	<i>Integer</i> : Runid of activity to deactivate	Yes
force	<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?runid=122334345&keepstartmode=Y&manualrelease=Y

Parameters

Parameter	description	mandatory
runid	<i>Integer:</i> Runid of activity to deactivate	Yes
keepstartmode	<i>Y or N:</i> keep start mode	No
restartaborts	<i>Y or N:</i> only restart aborted tasks	No
manualrelease	<i>Y or N:</i> require manual release upon restart	No
restartpoint	<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
runid	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? runid =122334345& type =JOBS

Parameters

parameter	description	mandatory
runid	Integer: Runid of activity to unblock	Yes
type	JOBP or JOBS: Type of activity to unblock	Yes
lnr	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? runid =122334345

Parameters

parameter	description	mandatory
runid	Integer: Runid of activity to unblock	Yes
recursive	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? runid =122334345

Parameters

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

Response

Status	Response
200	{ " status ": "success", " message ": "task resumed" }

suspend:

Suspend an activity.

Request

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

Parameters

parameter	description	mandatory
runid	Integer: Runid of activity to unblock	Yes
recursive	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
runid	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
runid	Integer: Runid of activity to unblock	Yes
type	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:\>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:\>echo here is my content \nhere is my content\n\nc:\>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:\>GOTO JOBENDE \n" }] } }</pre>

adopt:

Adopt an activity (that requires promptset value setting).

Request

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

Parameters

parameter	description	mandatory
runid	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
runid	<i>Integer</i> : 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
runid	<i>Integer</i> : Runid of activity	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
runid	<i>Integer</i> : Runid of activity	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
runid	<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
runid	<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
name	String: Name of the executable object to run	Yes
start	String: start date in format YYYYMMDDhhmm or hhmm (same day)	No
logical	String: logical date in format YYYYMMDD	No
tz	String: Timezone name	No
manualrelease	Y or N: require manual release upon start	No
alias	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? filters =[name:.*,date=2016123100-201701022359]& method =query

methods

parameter	description	mandatory
method	recalculate or query: query or recalculate a forecast	Yes

Parameters

parameter	description	mandatory
filters	name (format: filters=[name:DEM.*]) login (format: filters=[login:*]) host (format: filters=[host:WIN01*]) srclogin (format: filters=[srclogin:*]) srchost (format: filters=[srchost:WIN01*]) platform (format: filters=[platform:WIN UNIX]) type (format: filters=[type:JOB JOBS]) date (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": "<String>" }</pre>	Yes

Response

Status	Response
200	<pre>{ "status": "success", "message": "comment added." }</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
runid	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
name	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
name	String: name of executable object		Yes

Response

Status	Response
200	{ "status": "success", "estimatedruntimes": [119, 119, 119, 119, 119, 119, 119, 119, 119, 119, 120, 120, 120, 119, 119, 120, 120, 120, 119, 120, 120, 120, 120, 120, 120, 120, 120, 120], "lastruntimes": [119, 119, 120, 119, 120.

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	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
showreferences	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	folder (format: filters=[folder:<Regex>]) type (format: filters=[type:JOB JOBS]) => see below for available Types reversetype (format: filters=[reversetype]) => reverse selection of types created (format: filters=[created:YYYYMMDDhhmm-YYYYMMDDhhmm]) created (format: filters=[created: LASTnperiod]) => see below for Periods modified (format: filters=[created:YYYYMMDDhhmm-YYYYMMDDhhmm]) modified (format: filters=[created: LASTnperiod]) => see below for Periods used (format: filters=[created:YYYYMMDDhhmm-YYYYMMDDhhmm]) used (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", "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	folder (format: filters=[folder:<RegEx>]) type (format: filters=[type:JOBP JOBS]) => see below for available Types reversetype (format: filters=[reversetype]) => reverse selection of types created (format: filters=[created:YYYYMMDDhhmm-YYYYMMDDhhmm]) created (format: filters=[created:LASTnperiod]) => see below for Periods modified (format: filters=[created:YYYYMMDDhhmm-YYYYMMDDhhmm]) modified (format: filters=[created:LASTnperiod]) => see below for Periods used (format: filters=[created:YYYYMMDDhhmm-YYYYMMDDhhmm]) used (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>

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	type (format: filters=[type:RESTART CANCEL]) => see below for available Types objname (format: filters=[objname:<Regex>]) username (format: filters=[username:<Regex>]) title (format: filters=[title:<Regex>]) type (format: filters=[type:<Regex>]) firstname (format: filters=[firstname:<Regex>]) lastname (format: filters=[lastname:<Regex>]) range (format: filters=[range:YYYYMMDDhhmm-YYYYMMDDhhmm]) range (format: filters=[range: LASTnperiod]) => see below for Periods	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?name=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? method =JOBS.ABC.EX.1

Methods

value	description	mandatory
showengine	Show list of CPs and WPs with performance counts (B01, B10, B60)	No
showusage	Show usage of all clients	No
showmessages	Show content of Message window	No
showdb	Show database info & performance counts for Message Queues	No
showclients	Show list of all clients, with timezone, activities and objects defined	No
showhosts	Show list of all agents defined	No
showhostgroups	Show list of all hostgroups defined	No
showusers	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
}
},

```

...

Jobs (Object Type: **Jobs**)

display:

display the definition of a JOBS object

Request

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

Parameters

parameter	description	mandatory
name	String: Name of the object to display.	Yes
v	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
commit	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
commit	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": "<boolean>", "inactive": "<boolean>", "postprocess": "<Regex: Expression to Match>", "preprocess": "<Regex: Expression to Match>", "process": "<Regex: Expression to Match>" }, "updates": { "addvar": "<String: variable name>,<String: variable value>", "delvar": "<String: variable name>", "genatruntime": "<boolean>", "host": "<Regex: expression to Match>,<String: new value>", "key1": "<Regex: expression to Match>,<String: new value>" } }</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 &sbbs_flag# = 'Y'\n:PRINT SBB FLAG &sbbs_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
commit	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": "<boolean>", "inactive": "<boolean>", "postprocess": "<Regex: Expression to Match>", "preprocess": "<Regex: Expression to Match>", "process": "<Regex: Expression to Match>" } }</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

```
{
  "std_filters":
  {
    "name" : "MY.AUTO.CREATED.*",
    "include_links" : false,
    "search_for_usage" : false
  }
}
```

Response

Status Response

200

```
{
  "status": "success",
  "commit": true,
  "simulate": false,
  "count": 1,
  "delete": [
    {
      "name": "MY.AUTO.CREATED.JOB.2",
      "type": "JOBS_WINDOWS"
    }
  ]
}
```

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>

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:<String>]) status (format: filters=[status:<integer>]) key1 (format: filters=[key1:<String>]) key2 (format: filters=[key2:<String>]) type (format: filters=[type:JOBP JOBS]) => see below for available types alias (format: filters=[alias:<String>]) client (format: filters=[client:<Integer>]) queue (format: filters=[queue:<String>]) runid (format: filters=[runid:<Integer>]) platform (format: filters=[type:WIN]) => see below for available platforms activation (format: filters=[activation:LASTnperiod]) => see below for Periods activation (format: filters=[activation:YYYYMMDDhhmm-YYYYMMDDhhmm]) start (format: filters=[start:LASTnperiod]) => see below for Periods start (format: filters=[start:YYYYMMDDhhmm-YYYYMMDDhhmm]) end (format: filters=[end:LASTnperiod]) => see below for Periods 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, JOBQ, 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": "<PERIOD>", "activation_time": "2016-07-11 11:31:18", "client": "0100", "comment": "false", "message": null, "version": 1 }, ...] }</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
type	String: Entity Type (ex: DeploymentProfile)	Yes
name	String: Name of entity to archive	No
folder	String: ARA Folder Name in which the entity is	No
customtype	String: Custom Type of Entity	No
startdate	String: start date (YYYYMMDDhhmm)	No
enddate	String: end date (YYYYMMDDhhmm)	No
conditions	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 <?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</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? name =EnvTest01& folder =RESTAPI_DEV& type =Generic

Parameters

parameter	description	mandatory
type	String: Type of Environment to create (ex: Generic)	Yes
name	String: Name of environment to create	Yes
folder	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? name =Dev_RestApi& type =Environment

Parameters

parameter	description	mandatory
type	String: Type of Entity (ex: DeploymentTarget)	Yes
name	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? name =Dev_RestApi& type =Environment& folder =RESTAPI_QA

Parameters

parameter	description	mandatory
type	String: Type of Entity (ex: DeploymentTarget)	Yes
name	String: Name of entity	Yes
Folder	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? name =Dev_RestApi& type =Environment

Parameters

parameter	description	mandatory
type	String: Type of Entity (ex: DeploymentTarget)	Yes
name	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? name =Dev_RestApi& type =Environment& owner =100/PROD/PROD

Parameters

parameter	description	mandatory
type	String: Type of Entity (ex: DeploymentTarget)	Yes
name	String: Name of entity	Yes
owner	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 <?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=\"Non-Production\" typeVersion=\"1.0.0 PCK.AUTOMIC_BOND\">\n <Property name=\"system_id\">\n <Value>28391</Value>\n </Property>\n </Entity>\n</Sync> 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? pck =RestApi.00016& folder =RestAPI_DEV& type =RestAPI& app =RESTAPI_TESTS

Parameters

parameter	description	mandatory
pck	String: package name	Yes
folder	String: ARA folder name	Yes
type	String: package type	Yes
app	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? pck =RestApi.00006

Parameters

parameter	description	mandatory
pck	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? pck =RestApi.00006& newstate =State1& currentstate =Ready To Go& notmatching =SKIP

Parameters

parameter	description	mandatory
pck	String: package name or ID	Yes
newstate	String: target state for package	Yes
currentstate	String: current state of package	Yes
notmatching	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 <=>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? name =RestAPI.TestProfile& app =84.51_Oracle

Parameters

parameter	description	mandatory
name	String: deployment profile name	Yes
app	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? name =mypropname& objname =Dev_RestApi& objtype =Environment& namespace =root/branch1

Parameters

parameter	description	mandatory
name	String: name of the dynamic property	Yes
objname	String: name or ID of the object on which the property is	Yes
objtype	String: type of object on which the property is	Only if name is passed instead of ID
namespace	String: namespace of the property to retrieve	No
failifmissing	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? name =name& objname =Dev_RestApi& objtype =Environment& namespace =root/branch1

Parameters

parameter	description	mandatory
name	String: name of the dynamic property	Yes
objname	String: name or ID of the object on which the property is	Yes
objtype	String: type of object on which the property is	Only if name is passed instead of ID
namespace	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? name =telephone& objname =Dev_RestApi& objtype =Environment& namespace =root/branch1& valuetype =Static& proptype =SingleLineText& value =7814911234

Parameters

parameter	description	mandatory
name	String: name of the dynamic property	Yes
objname	String: name or ID of the object on which the property is	Yes
value	String: new value of the dynamic property	Yes
valuetype	Values: Static or Expression or Prompt : type of dynamic prop value	Yes
proptype	Values: Number , Protected , ShortText , SingleLineText , List : Property type	Yes
objtype	String: type of object on which the property is	Only if name is passed instead of ID
namespace	String: namespace of the property to retrieve	No
highlighted	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?name=RestAPI_Tomcat_Dev_TESTS&folder=RESTAPI_DEV&type=Tomcat&owner=100/ARA/ARA

Parameters

parameter	description	mandatory
name	String: name of the target	Yes
folder	String: name of the ARA folder	Yes
type	String: Deployment Target type	Yes
owner	String: owner (client/dept/login, ex: 100/ARA/ARA)	No
env	String: name of ARA environment	No
agent	String: name of corresponding AE agent	No
failifexists	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? wfname =DeployWF& appname =MY.APP& pckname =Pck.001& profile =DevProfile1& skip =NO

Parameters

parameter	description	mandatory
wfname	String: workflow name	Yes
appname	String: application name	Yes
pckname	String: package name	Yes
profile	String: profile name	Yes
skip	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? wfname =TransitionWF

Parameters

parameter	description	mandatory
wfname	String: workflow name	Yes

Response

Status	Response
200	