



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 | |

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 | |

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 | |

Unblock:

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 | |

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 | |

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 | |

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 | |

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 | |

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 | |

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 | |

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 | |

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 | |

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 | |

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 | |

Export:

Export a filtered collection of Objects in an xml file.

Request

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

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 | |

Search:

Search for any Objects with filters.

Request

| Method | URL |
|--------|--|
| GET | /api/awa/search/v1/All?name=JOBP.ABC.1 |

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 | |

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 | |

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 | |

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 | |

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 | |

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> |

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 | |