



REST API Guide

Release 5.6.0

- ❖ This document is intended for readers who have basic understanding of consumption of REST APIs and the programming skills required for the same.

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1. REST API Overview

The REST Application Programming Interface Guide provides programmatic access to the data model of the AutomationEdge (AE). REST is an acronym for Representational State Transfer. An API provides a way for two application programs to communicate. AE REST APIs use custom authentication. The REST API to authenticate provides session token in the response if valid user credentials are provided. The username and password pair must belong to a user who has the API User role within an organization that has been granted access to the API product. These privileges can only currently be set by AE System Administrator or Tenant Administrator.

1.1 Base Application URL

The base application URL will be like following:

<http/https>://<Hostname/IP>:<Port>/<application-name>/rest/...

- <Hostname/IP> and <Port> is nothing but the tomcat server IP address/hostname and port on which “AutomationEdge” application is deployed.
- <application-name> here would be “aeengine” (this can vary as per war file name)
- For example, <http://localhost:8080/aeengine/rest>

1.2 Tenant OrgCode

Many REST APIs have Tenant’s *orgCode* (Organization Code) used in the URL.

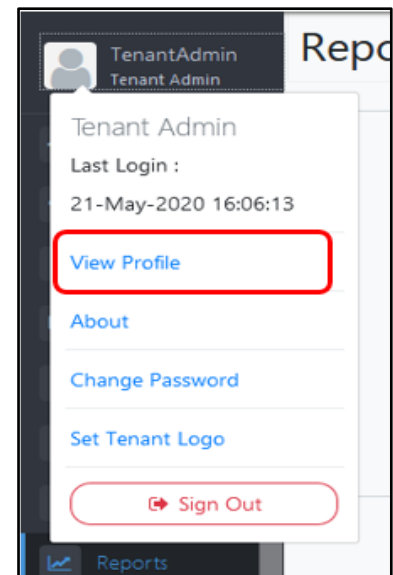
For example:

.../rest/tenants/{orgCode}/workflows

In this example, you need to replace {orgCode} with the tenant’s *orgCode* to which REST API calls are going to be made.

You can get your tenant’s *org code* from the AE UI portal:

1. Log in to AE portal
2. Click on the User Profile icon from the left upper corner and then go to *View Profile*.



1.3 Methods

In accordance with REST principles, the four primary methods are supported: GET, POST, PUT, and DELETE.

- GET: Retrieve a single instance or a collection of objects of a given type.
- POST: Create a new instance of a type.
- PUT: Update an existing instance of a type.
- DELETE: Delete an instance of a given type.

1.4 Responses

All responses (except file download APIs), whether successful or not, are of Content-Type application/json. Successful responses will have a “200 response code” and errors will have an HTTP response code that matches the type of the error (see the details below). All responses will include two top-level JSON properties success and message. In successful responses, the value for success will always be “true” and the value for message will always be “OK”. For “non-200 responses,” the message will provide details on the error.

Some of the APIs return paginated result as a response which will include the list of objects along with the metadata as following:

```
"metadata": {  
  "lastUri": "http://localhost:8080/aeengine/rest/tenants?offset=4&size=2&order=asc",  
  "previousUri": "http://localhost:8080/aeengine/rest/tenants?offset=0&size=2&order=asc",  
  "nextUri": "http://localhost:8080/aeengine/rest/tenants?offset=4&size=2&order=asc",  
  "firstUri": "http://localhost:8080/aeengine/rest/tenants?offset=0&size=2&order=asc",  
  "totalRecords": 5,  
  "size": 2  
}
```

1.5 Important Notes

1.5.1 Request Body: form-data

Many of the APIs here have request body type as form-data.

- If you are using Postman as a REST client, then you should not specify “Content-Type: multipart/form-data” in headers. Postman automatically understands the Content-Type if you have selected “form-data” in the “Body” tab.
- You need to add this header Content-Type only if you are consuming this API from code and the HTTP client library you are using does not have any specific method for passing request body of type “form-data”.

1.5.2 API Result files

Many APIs are supposed to return file(s) for download in the HTTP response. Such result file contents are part of a HTTP Response Output stream. Details of the result file are in the HTTP response header named "Content-Disposition".

1.5.3 Advanced Search/Filter Options

Many APIs which are supposed to return a list of objects have advanced search/filter options available. There are various comparators available which helps to filter the records as per the type of comparator selected in the request body.

Note that more than one filter can be applied in the same request body.

Following comparators are applicable for column data types:

- For "String" type: equal to, not equal to, like, begins with, ends with
- For "Date": exact date, before, after, in between, not in between
- For "Number": equal to, not equal to, less than, greater than, in range, not in range
- For "Enum": equal to, not equal to

Values of comparators to be passed in the request body are:

- equal to → "eq"
- not equal to → "nq"
- like → "like"
- begins with → "sw"
- ends with → "ew"
- exact date → "ed"
- before → "be"
- after → "af"
- in between → "bt"
- not in between → "nb"
- less than → "lt"
- greater than → "gt"
- in range → "ir"
- not in range → "nr"

Below are the examples of filters which can be passed in the request body to mould the response as per the conditions mentioned in the filters.

Filter on "Name" equal to "Automation Edge"	<pre>{ "filter": [{ "columnName": "name", "displayName": "Name", "columnType": "string", "visibility": false, "comparator": "eq",</pre>
---	--

	<pre> "valueSet": [], "values": ["Automation Edge"], "error": { "hasError": false, "message": "" }, "disabled": true } } </pre>
Filter on "Created" in between "2020-07-08" and "2020-07-29"	<pre> { "filter": [{ "columnName": "createdDate", "displayName": "Created", "columnType": "date", "visibility": false, "comparator": "bt", "valueSet": [], "values": ["2020-07-21", "2020-07-29"], "error": { "hasError": false, "message": "" }, "disabled": true }] } </pre>

2. Authentication APIs

2.1 User Authenticate/Login

API	Authenticate with AE
Description	Authenticate to get session token (Native and LDAP user authentication)
Access	All Roles
HTTP Method	POST

URL		....rest/authenticate
Request Headers		
Content-Type: multipart/form-data		
Sample Form Data Parameters		
Key	Value	Description
username	ash_aedemo	Username of user's account
password	TAdmin@1234	Password of user's account
Sample Response Body		
<pre>{ "message": "OK", "success": true, "userFirstName": "Aishwarya", "userLastName": "Malavkar", "emailId": null, "errorMessage": null, "tenant": { "id": 289, "name": "AutomationEdge Demo", "orgCode": "AEDEMO", "createdDate": 1530166213369, "lastUpdatedDate": 1583480183488, "onPrem": null, "trial": null, "adminOrg": false, "deleted": null, "description": null }, "sessionToken": "19006af5878e60969000c2c7f911ad06addfc56e12c89e5cf7edbd7b74ab4b2f:4ccad6f0-be89-4a70-9a7e-56926d958a6f1584948564816", "roles": "ROLE_TENANT_USER", "forceChangePassword": false, "userName": "ash_aedemo", "lastLoginTime": 1584339530059 }</pre>		

2.2 User Logout

API	Logout
Description	Expires the session token provided in the request header
Access	All Roles
HTTP Method	POST
URL	....../rest/logout
Request Headers	
X-session-token: <session-token-value>	
Sample Request Body	
-	
Sample Response Body	
-	

3. User Management

3.1 User Operations

3.1.1 Create User

API Title	Create User			
Description	This API is used to create a User for a specific Tenant. API consumes an orgCode of a Tenant as an input in order to create a new user.			
Role Access	Tenant Administrator, User Administrator, System Administrator			
HTTP Method	POST			
URL	.../rest/tenants/{orgCode}/users			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description

ep	Boolean	Yes	true/false (Default value is false)	Set this to true if sensitive data is encrypted in the request body
Sample URL				
http://localhost:8081/aeengine/rest/tenants/AEDGE/users?ep=true				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body [ep=true]				
<pre>{ "firstName": "Richard", "lastName": "Loco", "emailId": "richard.loco@abc.com", "userName": "richardloco", "authType": "NATIVE", "password": "NUs7ZF6/jJSydzIMvHtyQg==", "forcePasswordChange": true, "roles": [{ "id": 6, "roleName": "ROLE AGENT ADMIN" }] }</pre>				
Sample Response Body [ep=true]				
<pre>{ "message": "OK", "success": true, "id": 35, "tenant": { "message": "OK", "success": true, "id": 2, "orgCode": "AEDGE", "name": "Shivam Tyagi", "createdDate": 1592418422374, "lastUpdatedBy": 4, "lastUpdatedDate": 1593596639637, } }</pre>				

```

        "onPrem": null,
        "trial": null,
        "adminOrg": false,
        "deleted": null,
        "logo": null,
        "description": "Adding a new Tenant",
        "integrationEnabled": true,
        "integrationConfigLimit": 2
    },
    "emailId": "richard.loco@abc.com",
    "userName": "richardloco",
    "firstName": "Richard",
    "lastName": "Loco",
    "password": null,
    "createdDate": 1593687159222,
    "lastUpdatedDate": 1593687159222,
    "forcePasswordChange": true,
    "assistedAgentAllowed": false,
    "lastLoginTime": null,
    "authType": "NATIVE",
    "createdBy": 4,
    "lastUpdatedBy": 4,
    "lastPassChange": 1593687159222,
    "locale": null,
    "unsuccessfulAttempts": 0,
    "defaultDashboardId": 0,
    "homeDashboardId": 0,
    "psAllowed": false,
    "state": "UNVERIFIED",
    "deleteConfiguration": null,
    "groupIds": [],
    "roles": [
        {
            "message": "OK",
            "success": true,
            "id": 6,
            "roleName": "ROLE AGENT ADMIN",
            "createdDate": 1592395164408,
            "lastUpdatedDate": 1592395164408,
            "tenantRole": true,
            "deleted": null
        }
    ]
}

```

Sample Request Body [ep=false]

```
{
```

```

    "firstName": "Ram",
    "lastName": "Lakhan",
    "emailId": "ramlakhan@ram.com",
    "userName": "ramlakhan",
    "authType": "NATIVE",
    "password": "Ram@123",
    "forcePasswordChange": true,
    "roles": [
      {
        "id": 3,
        "roleName": "ROLE TENANT USER"
      }
    ]
  }
}

```

Sample Response Body [ep=false]

```

{
  "message": "OK",
  "success": true,
  "id": 12,
  "tenant": {
    "message": "OK",
    "success": true,
    "id": 2,
    "orgCode": "AUTOMATIONEDGE",
    "name": "Govinda",
    "createdDate": 1585396841518,
    "lastUpdatedBy": 1,
    "lastUpdatedDate": 1585396841518,
    "onPrem": null,
    "trial": null,
    "adminOrg": false,
    "deleted": null,
    "logo": null,
    "description": "This is tenant account",
    "integrationEnabled": false,
    "integrationConfigLimit": null
  },
  "emailId": "ramlakhan@ram.com",
  "userName": "ramlakhan",
  "firstName": "Ram",
  "lastName": "Lakhan",
  "password": null,
  "createdDate": 1589534271193,
  "lastUpdatedDate": 1589534271193,
  "forcePasswordChange": true,
  "assistedAgentAllowed": false,

```

```

"lastLoginTime": null,
"authType": "NATIVE",
"createdBy": 2,
"lastUpdatedBy": 2,
"lastPassChange": 1589534271193,
"locale": null,
"unsuccessfulAttempts": 0,
"defaultDashboardId": 0,
"homeDashboardId": 0,
"psAllowed": false,
"state": "UNVERIFIED",
"deleteConfiguration": null,
"groupIds": [],
"roles": [
  {
    "message": "OK",
    "success": true,
    "id": 3,
    "roleName": "ROLE TENANT USER",
    "createdDate": 1585396635468,
    "lastUpdatedDate": 1585396635468,
    "tenantRole": true,
    "deleted": null
  }
]
}

```

Notes

- Here ep=true denotes that sensitive data is encrypted in the Request Body.
- Pass value as ep=false when you don't want to use encryption for sensitive information in the Request Body (Plain text request body).
- Role ID and Role Name may change with desired role and must match with existing roles in the system.

For Example:

```

"roles": [
  {
    "id": 3,
    "roleName": "ROLE TENANT USER",
  }
]

```

ID	Role Name
2	ROLE_TENANT_ADMIN
3	ROLE_TENANT_USER
4	ROLE_USER_ADMIN
5	ROLE_WORKFLOW_ADMIN
6	ROLE_AGENT_ADMIN

3.1.2 Update User

API Title	Update User
Description	This API is used to update the details of a User for a specific Tenant. API consumes an orgCode of a Tenant as well as an id of a User as an input in order to update the details.
Role Access	Tenant Administrator, User Administrator, System Administrator
HTTP Method	PUT
URL	....rest/tenants/{orgCode}/users/{userId}

URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
ep	Boolean	Yes	true/false (Default value is false)	Set this to true if sensitive data is encrypted in the request body
Sample URL				
http://localhost:8081/aeengine/rest/tenants/AEDGE/users/35?ep=true				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body [ep=true]				
<pre>{ "id": 35, "firstName": "Richard", "lastName": "Loco", "emailId": "richard.loco_new@abc.com", "userName": "richardloco", "authType": "NATIVE", "roles": [{ "id": 4, "roleName": "ROLE_USER_ADMIN" }], "forcePasswordChange": true }</pre>				
Sample Response Body [ep=true]				
<pre>{ "message": "OK", "success": true, "id": 35, "tenant": { "message": "OK", "success": true, "id": 2, "orgCode": "AEDGE",</pre>				


```

        "name": "Shivam Tyagi",
        "createdDate": 1592418422374,
        "lastUpdatedBy": 4,
        "lastUpdatedDate": 1593596639637,
        "onPrem": null,
        "trial": null,
        "adminOrg": false,
        "deleted": null,
        "logo": null,
        "description": "Adding a new Tenant",
        "integrationEnabled": true,
        "integrationConfigLimit": 2
    },
    "emailId": "richard.loco new@abc.com",
    "userName": "richardloco",
    "firstName": "Richard",
    "lastName": "Loco",
    "password": null,
    "createdDate": 1593687159222,
    "lastUpdatedDate": 1593689666717,
    "forcePasswordChange": true,
    "assistedAgentAllowed": false,
    "lastLoginTime": null,
    "authType": "NATIVE",
    "createdBy": 4,
    "lastUpdatedBy": 4,
    "lastPassChange": 1593628200000,
    "locale": null,
    "unsuccessfulAttempts": 0,
    "defaultDashboardId": 0,
    "homeDashboardId": 0,
    "psAllowed": false,
    "state": "UNVERIFIED",
    "deleteConfiguration": null,
    "groupIds": [],
    "roles": [
        {
            "message": "OK",
            "success": true,
            "id": 4,
            "roleName": "ROLE USER ADMIN",
            "createdDate": 1592395162944,
            "lastUpdatedDate": 1592395162944,
            "tenantRole": true,
            "deleted": null
        }
    ]
}

```

Sample Request Body [ep=false]

```
{
  "id": 12,
  "firstName": "Ram",
  "lastName": "Lakhan",
  "emailId": "ramlakhan@gmail.com",
  "userName": "ramlakhan",
  "authType": "NATIVE",
  "roles": [
    {
      "id": 3,
      "roleName": "ROLE TENANT USER"
    }
  ],
  "password": "Ram@456",
  "forcePasswordChange": true
}
```

Sample Response Body [ep=false]

```
{
  "message": "OK",
  "success": true,
  "id": 12,
  "tenant": {
    "message": "OK",
    "success": true,
    "id": 2,
    "orgCode": "AUTOMATIONEDGE",
    "name": "Govinda",
    "createdDate": 1585396841518,
    "lastUpdatedBy": 1,
    "lastUpdatedDate": 1585396841518,
    "onPrem": null,
    "trial": null,
    "adminOrg": false,
    "deleted": null,
    "logo": null,
    "description": "This is tenant account",
    "integrationEnabled": false,
    "integrationConfigLimit": null
  },
  "emailId": "ramlakhan@ram1.com",
  "userName": "ramlakhan",
  "firstName": "Ram",
  "lastName": "Lakhan",
  "password": null,
}
```

```

    "createdDate": 1589534271193,
    "lastUpdatedDate": 1589535890728,
    "forcePasswordChange": true,
    "assistedAgentAllowed": false,
    "lastLoginTime": null,
    "authType": "NATIVE",
    "createdBy": 2,
    "lastUpdatedBy": 2,
    "lastPassChange": 1589481000000,
    "locale": null,
    "unsuccessfulAttempts": 0,
    "defaultDashboardId": 0,
    "homeDashboardId": 0,
    "psAllowed": false,
    "state": "UNVERIFIED",
    "deleteConfiguration": null,
    "groupIds": [],
    "roles": [
      {
        "message": "OK",
        "success": true,
        "id": 3,
        "roleName": "ROLE TENANT USER",
        "createdDate": 1585396635468,
        "lastUpdatedDate": 1585396635468,
        "tenantRole": true,
        "deleted": null
      }
    ]
  }
}

```

Notes

- Here ep=true denotes that sensitive data is encrypted in the Request Body.
- Pass value as ep=false when you don't want to use encryption for sensitive information in the Request Body (Plain text request body).

3.1.3 Delete User

API Title	Delete User
Description	This API is used to delete a user for a specific Tenant. API consumes an orgCode of a Tenant as well as an id of a user as an input which needs to be deleted.
Role Access	Tenant Administrator, User Administrator, System Administrator
HTTP Method	DELETE

URL	..../rest/tenants/{orgCode}/users/{userId}			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8081/aeengine/rest/tenants/AEDGE/users/35				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
--				
Sample Response Body				
<pre>{ "message": "User [richardloco] deleted successfully", "success": true }</pre>				

3.1.4 Change Password

API Title	Change Password			
Description	This API used to change the password of a user.			
Role Access	All			
HTTP Method	POST			
URL	..../rest/users/changepassword			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description

ep	Boolean	Yes	true/false (Default value is false)	Set this to true if sensitive data is encrypted in the request body
Sample URL				
http://localhost:8081/aeengine/rest/users/changepassword?ep=false				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
--				
Sample Response Body				
<pre>{ "message": "OK", "success": true }</pre>				
Notes				
<ul style="list-style-type: none">Here ep=true denotes that sensitive data is encrypted in the Request Body.External use: Pass value as ep=false when you don't want to use encryption for sensitive information in the Request Body (Plain text request body).				

3.1.5 Get All Tenant Users

API Title	Get Users for a Tenant
Description	This API is used to get all the users for a specific Tenant. API consumes orgCode in order to fetch the users for a specific Tenant.
Role Access	Tenant Administrator, Workflow Administrator, User Administrator
HTTP Method	GET

URL	..../rest/tenants/{orgCode}/users			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/tenants/AEDGE/users				
Request Headers				
Key	Type	Optional	Description	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
--				
Sample Response Body				
<pre>[{ "message": "OK", "success": true, "id": 32, "tenant": { "message": "OK", "success": true, "id": 2, "orgCode": "AEDGE", "name": "Shivam Tyagi", "createdDate": 1592418422374, "lastUpdatedBy": 4, "lastUpdatedDate": 1593596639637, "onPrem": null, "trial": null, "adminOrg": false, "deleted": null, "logo": null, "description": "Adding a new Tenant", "integrationEnabled": true, "integrationConfigLimit": 2 } }]</pre>				

```

    },
    "emailId": "james.charles@abc.com",
    "userName": "jamescharles",
    "firstName": "James",
    "lastName": "Charles",
    "password": null,
    "createdDate": 1593597830389,
    "lastUpdatedDate": 1593597830389,
    "forcePasswordChange": true,
    "assistedAgentAllowed": false,
    "lastLoginTime": null,
    "authType": "NATIVE",
    "createdBy": 4,
    "lastUpdatedBy": 4,
    "lastPassChange": 1593541800000,
    "locale": null,
    "unsuccessfulAttempts": 0,
    "defaultDashboardId": 0,
    "homeDashboardId": 0,
    "psAllowed": false,
    "state": "UNVERIFIED",
    "deleteConfiguration": null,
    "groupIds": [],
    "roles": null
  }
]

```

3.1.6 Get Users with Role ROLE_TENANT_USER

API Title	Get Users with Role ROLE_TENANT_USER			
Description	This API is used to get all users with the role ROLE_TENANT_USER. It consumes an orgCode of a Tenant as an input in order to fetch the required details.			
Role Access	Tenant Administrator, Workflow Administrator, User Administrator, System Administrator			
HTTP Method	GET			
URL	....rest/tenants/{orgCode}/tenantusers			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				

<http://localhost:8080/aeengine/rest/tenants/AEDGE/tenantusers>

Request Headers

Key	Type	Optional	Description
X-session-token	String	No	<session-token-value>

Sample Request Body

--

Sample Response Body

```
[
  {
    "message": "OK",
    "success": true,
    "id": 33,
    "tenant": {
      "message": "OK",
      "success": true,
      "id": 2,
      "orgCode": "AEDGE",
      "name": "Shivam Tyagi",
      "createdDate": 1592418422374,
      "lastUpdatedBy": 4,
      "lastUpdatedDate": 1593596639637,
      "onPrem": null,
      "trial": null,
      "adminOrg": false,
      "deleted": null,
      "logo": null,
      "description": "Adding a new Tenant",
      "integrationEnabled": true,
      "integrationConfigLimit": 2
    },
    "emailId": "shivam.tyagi@automationedge.com",
    "userName": "tenantuser",
    "firstName": "Tenant",
    "lastName": "User",
    "password": null,
    "createdDate": 1593606427299,
    "lastUpdatedDate": 1593677991792,
    "forcePasswordChange": false,
    "assistedAgentAllowed": false,
  }
]
```



```

    "lastLoginTime": 1593678002242,
    "authType": "NATIVE",
    "createdBy": 4,
    "lastUpdatedBy": 33,
    "lastPassChange": 1593628200000,
    "locale": null,
    "unsuccessfulAttempts": 0,
    "defaultDashboardId": 0,
    "homeDashboardId": 0,
    "psAllowed": false,
    "state": "ACTIVE",
    "deleteConfiguration": null,
    "groupIds": [],
    "roles": null
  }
]

```

Notes

--

3.1.7 Get Single User

API Title	Get Single User			
Description	This API is used to get the details of a User for a specific Tenant. API consumes an orgCode of a Tenant and userId of a User as an input in order to fetch the required details.			
Role Access	Tenant Administrator, User Administrator, System Administrator			
HTTP Method	GET			
URL	.../rest/tenants/{orgCode}/users/{userId}			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/tenants/AEDGE/users/32				
Request Headers				

Key	Type	Optional	Description
X-session-token	String	No	<session-token-value>
Sample Request Body			
--			
Sample Response Body			
<pre>{ "message": "OK", "success": true, "id": 32, "tenant": { "message": "OK", "success": true, "id": 2, "orgCode": "AEDGE", "name": "Shivam Tyagi", "createdDate": 1592418422374, "lastUpdatedBy": 4, "lastUpdatedDate": 1593596639637, "onPrem": null, "trial": null, "adminOrg": false, "deleted": null, "logo": null, "description": "Adding a new Tenant", "integrationEnabled": true, "integrationConfigLimit": 2 }, "emailId": "james.charles@abc.com", "userName": "jamescharles", "firstName": "James", "lastName": "Charles", "password": null, "createdDate": 1593597830389, "lastUpdatedDate": 1593597830389, "forcePasswordChange": true, "assistedAgentAllowed": false, "lastLoginTime": null, "authType": "NATIVE", "createdBy": 4, "lastUpdatedBy": 4, "lastPassChange": 1593541800000, "locale": null, }</pre>			

```

    "unsuccessfulAttempts": 0,
    "defaultDashboardId": 0,
    "homeDashboardId": 0,
    "psAllowed": false,
    "state": "UNVERIFIED",
    "deleteConfiguration": null,
    "groupIds": [],
    "roles": [
      {
        "message": "OK",
        "success": true,
        "id": 5,
        "roleName": "ROLE WORKFLOW ADMIN",
        "createdDate": 1592395162944,
        "lastUpdatedDate": 1592395162944,
        "tenantRole": true,
        "deleted": null
      }
    ]
  }
}

```

3.1.8 Change User State

API Title	Change User State			
Description	This API is used to change the state of a User for a specific Tenant. API consumes an orgCode of a Tenant as well as an id of a User as an input.			
Role Access	Tenant Administrator, User Administrator, System Administrator			
HTTP Method	PUT			
URL	....../rest/tenants/{orgCode}/users/{userId}/change/state			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8081/aeengine/rest/tenants/AEDGE/users/33/change/state				

Request Headers			
Key	Type	Optional	Description
Content-Type	String	No	application/json
X-session-token	String	No	<session-token-value>
Sample Request Body			
<pre>{ "id": 33, "state": "DISABLED" }</pre>			
Sample Response Body			
<pre>{ "message": "User [DISABLED] successfully.", "success": true }</pre>			

3.2 User Group Operations

3.2.1 Create User Group

API Title	Create User Group			
Description	This API is used to create a new user group			
Role Access	Tenant Administrator, User Administrator			
HTTP Method	POST			
URL	....../rest/tenants/{orgCode}/groups			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				

<http://localhost:8080/aeengine/rest/tenants/AEDGE/groups>

Request Headers

Key	Type	Optional	Description
Content-Type	String	No	application/json
X-session-token	String	No	<session-token-value>

Sample Request Body

```
{
  "groupName": "AEDGE User Group",
  "description": "This group contains members of AEDGE Tenant"
}
```

Sample Response Body

```
{
  "message": "OK",
  "success": true,
  "id": 1,
  "groupName": "AEDGE User Group",
  "description": "This group contains members of AEDGE Tenant",
  "createdDate": 1593775696930,
  "lastUpdatedDate": 1593775696930,
  "createdBy": 4,
  "lastUpdatedBy": 4,
  "tenant": {
    "message": "OK",
    "success": true,
    "id": 2,
    "orgCode": "AEDGE",
    "name": "Shivam Tyagi",
    "createdDate": 1592418422374,
    "lastUpdatedBy": 4,
    "lastUpdatedDate": 1593596639637,
    "onPrem": null,
    "trial": null,
    "adminOrg": false,
    "deleted": null,
    "logo": null,
    "description": "Adding a new Tenant",
    "integrationEnabled": true,
    "integrationConfigLimit": 2
  }
}
```

```

    },
    "users": null,
    "usersCount": 0
  }

```

3.2.2 Add Users to a Group

API Title	Add Users to a Group			
Description	This API is used to add the users in a user group. Pass user record ids in the request body.			
Role Access	Tenant Administrator, User Administrator			
HTTP Method	PUT			
URL	....../rest/tenants/{orgCode}/usergroups/{groupid}			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/tenants/AEDGE/usergroups/1				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
<pre>[4, 39]</pre>				
Sample Response Body				
<pre>[</pre>				

```
4, 39
```

```
]
```

3.2.3 Delete Users from a Group

API Title	Delete Users from a Group			
Description	This API is used to remove the members from a group. Pass user record ids in the request body.			
Role Access	Tenant Administrator, User Administrator			
HTTP Method	DELETE			
URL	....rest/tenants/{orgCode}/usergroups/{groupId}			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/tenants/AEDGE/usergroups/1				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
<pre>[4, 39]</pre>				
Sample Response Body				
<pre>[</pre>				

4, 39

]

3.2.4 Get Details of a Group

API Title	Get Details of a Group			
Description	This API is used to get the details of a group.			
Role Access	Tenant Administrator, User Administrator			
HTTP Method	GET			
URL	.../rest/tenants/{orgCode}/groups/{groupId}			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/tenants/AEDGE/groups/1				
Request Headers				
Key	Type	Optional	Description	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
--				
Sample Response Body				
<pre>{ "message": "OK", "success": true, "id": 1, "groupName": "AEDGE User Group", "description": "Updating the description of group", "createdDate": 1593775696930,</pre>				


```

    "lastUpdatedDate": 1593776242563,
    "createdBy": 4,
    "lastUpdatedBy": 4,
    "tenant": {
      "message": "OK",
      "success": true,
      "id": 2,
      "orgCode": "AEDGE",
      "name": "Shivam Tyagi",
      "createdDate": 1592418422374,
      "lastUpdatedBy": 4,
      "lastUpdatedDate": 1593596639637,
      "onPrem": null,
      "trial": null,
      "adminOrg": false,
      "deleted": null,
      "logo": null,
      "description": "Adding a new Tenant",
      "integrationEnabled": true,
      "integrationConfigLimit": 2
    },
    "users": [],
    "usersCount": 0
  }
}

```

Notes

--

3.2.5 Get All Groups

API Title	Get All Groups			
Description	This API is used to fetch the details of all the groups which are associated with a particular Tenant.			
Role Access	Tenant Administrator, User Administrator			
HTTP Method	GET			
URL	....../rest/tenants/{orgCode}/groups			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description

-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/tenants/AEDGE/groups				
Request Headers				
Key	Type	Optional	Description	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
--				
Sample Response Body				
<pre>[{ "message": "OK", "success": true, "id": 3, "groupName": "AEDGE User Group 3", "description": "This Group 3", "createdDate": 1593776034189, "lastUpdatedDate": 1593776751783, "createdBy": 4, "lastUpdatedBy": 4, "tenant": { "message": "OK", "success": true, "id": 2, "orgCode": "AEDGE", "name": "Shivam Tyagi", "createdDate": 1592418422374, "lastUpdatedBy": 4, "lastUpdatedDate": 1593596639637, "onPrem": null, "trial": null, "adminOrg": false, "deleted": null, "logo": null, "description": "Adding a new Tenant", "integrationEnabled": true, "integrationConfigLimit": 2 } }]</pre>				

```

    },
    "users": null,
    "usersCount": 1
  },
  {
    "message": "OK",
    "success": true,
    "id": 2,
    "groupName": "AEDGE User Group 2",
    "description": "This is Group 2",
    "createdDate": 1593776021829,
    "lastUpdatedDate": 1593776764824,
    "createdBy": 4,
    "lastUpdatedBy": 4,
    "tenant": {
      "message": "OK",
      "success": true,
      "id": 2,
      "orgCode": "AEDGE",
      "name": "Shivam Tyagi",
      "createdDate": 1592418422374,
      "lastUpdatedBy": 4,
      "lastUpdatedDate": 1593596639637,
      "onPrem": null,
      "trial": null,
      "adminOrg": false,
      "deleted": null,
      "logo": null,
      "description": "Adding a new Tenant",
      "integrationEnabled": true,
      "integrationConfigLimit": 2
    },
    "users": null,
    "usersCount": 1
  },
  {
    "message": "OK",
    "success": true,
    "id": 1,
    "groupName": "AEDGE User Group",
    "description": "This is Group 1",
    "createdDate": 1593775696930,
    "lastUpdatedDate": 1593776799332,
    "createdBy": 4,
    "lastUpdatedBy": 4,
    "tenant": {
      "message": "OK",
      "success": true,

```

```

        "id": 2,
        "orgCode": "AEDGE",
        "name": "Shivam Tyagi",
        "createdDate": 1592418422374,
        "lastUpdatedBy": 4,
        "lastUpdatedDate": 1593596639637,
        "onPrem": null,
        "trial": null,
        "adminOrg": false,
        "deleted": null,
        "logo": null,
        "description": "Adding a new Tenant",
        "integrationEnabled": true,
        "integrationConfigLimit": 2
    },
    "users": null,
    "usersCount": 0
}
]

```

Notes

--

3.2.6 Delete User Group

API Title	Delete User Group			
Description	This API is used to delete a user group			
Role Access	Tenant Administrator, User Administrator			
HTTP Method	DELETE			
URL	....rest/tenants/{orgCode}/groups/{groupId}			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				

<http://localhost:8080/aeengine/rest/tenants/AEDGE/groups/3>

Request Headers

Key	Type	Optional	Description
Content-Type	String	No	application/json
X-session-token	String	No	<session-token-value>

Sample Request Body

--

Sample Response Body

```
{
  "message": "User group deleted successfully",
  "success": true
}
```

4. Workflow Management

4.1 Workflow Operations

4.1.1 Get All Workflows

API Title	Get All workflows			
Description	This API is used to get the details of all the workflows. This API has advanced filter options and returns a paginated result.			
Role Access	Workflow Administrator, Tenant Administrator, Tenant User			
HTTP Method	POST			
URL	.... /rest/workflows			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
offset	Number	Yes	0	Index of records
size	Number	Yes	10	Number of records to be fetched in a single page

order	String	Yes	asc/desc(default=asc)	Order of fetching the records
Sample URL				
http://localhost:8081/aeengine/rest/workflows?offset=0&size=10&order=asc				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
<pre>{ "filter": [] }</pre>				
Sample Response Body				
<pre>{ "message": "OK", "success": true, "metadata": { "totalRecords": 4, "size": 1, "lastUri": "http://localhost:8081/aeengine/rest/tenants?offset=4&size=1&order=asc", "nextUri": "http://localhost:8081/aeengine/rest/tenants?offset=1&size=1&order=asc" }, "data": [{ "tenant": { "id": 1, "name": "System Admin Tenant", "orgCode": "SYSADMIN", "createdDate": 1592395158863, "lastUpdatedDate": 1593084735408, "onPrem": true, "trial": false, "adminOrg": true, "deleted": null, "description": "Updating the description" }, "licenseUsageDto": {</pre>				

```

        "startDate": null,
        "endDate": null,
        "licenseType": null,
        "licenseStatus": "UNKNOWN",
        "yearlyNumberOfAgents": null,
        "yearlyNumberOfStepUnits": null,
        "yearlyNumberOfAssistedAgents": null,
        "yearlyNumberOfAdvancedAgents": null,
        "yearlyNumberOfTurboAgents": null,
        "yearlyNumberOfProcessStudios": null,
        "assistedAgentWorkingHours": null,
        "yearlyAgentDays": null,
        "gracePeriodInDays": null,
        "todaysConsumedAgentDays": null,
        "totalConsumedAgentDays": null,
        "todaysConsumedStandardAgents": null,
        "todaysConsumedAdvancedAgents": null,
        "todaysConsumedTurboAgents": null,
        "todaysConsumedAssistedAgents": null,
        "totalConsumedStepUnits": null
    }
}
]
}

```

Notes

- Details of columns which are applicable for filters:

C o l u m n N a m e	J S O N A t t r i b u t e N a m e	T y p e
N a m e	n a m e	St r i n g

e	e	g
C a t e g o r y	p a r e n t C a t e g o r y	S t r i n g
C r e a t e d	c r e a t e d D a t e	D a t e

4.1.2 Get Workflows Runtime Details

API Title	Get Workflows Runtime Details			
Description	Get a list of workflows configured for a tenant and are assigned to agents. This API returns a list of workflows including its runtime parameters.			
Role Access	Tenant Administrator, Workflow Administrator, Tenant User			
HTTP Method	GET			
URL	....../rest/workflows/runtime			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
categoryId	Long	Yes	<category_id>	Pass categoryId if you want workflows from a specific category.
forScheduler	Boolean	Yes	true/false	This flag is used by the AE UI
Sample URL				

<http://localhost:8080/aeengine/rest/workflows/runtime>

Request Headers

Key	Type	Optional	Description
X-session-token	String	No	<session-token-value>

Sample Request Body

--

Sample Response Body

```
[
  {
    "id": 1,
    "workflowName": "Add Two Numbers - Without Scripts",
    "description": null,
    "icon": "data:image/png;base64, <base encoded string of image> ",
    "inputAttributesEnabled": false,
    "inputAttribute1": null,
    "inputAttribute2": null,
    "inputAttribute3": null,
    "inputAttribute4": null,
    "inputAttribute5": null,
    "inputAttribute6": null,
    "params": [
      {
        "name": "param1",
        "value": null,
        "type": "Integer",
        "order": 1,
        "secret": false,
        "optional": false,
        "defaultValue": null,
        "displayName": "Number 1",
        "extension": null,
        "poolCredential": false,
        "listOfValues": null
      },
      {
        "name": "param2",
        "value": null,
        "type": "Integer",
        "order": 2,
```

```

        "secret": false,
        "optional": false,
        "defaultValue": null,
        "displayName": "Number 2",
        "extension": null,
        "poolCredential": false,
        "listOfValues": null
    }
]
},
{
    "id": 68,
    "workflowName": "Gmail Login Test 1",
    "description": "Gmail Login Test 1",
    "icon": "data:image/png;base64, <base encoded string of image> ",
    "inputAttributesEnabled": true,
    "inputAttribute1": null,
    "inputAttribute2": null,
    "inputAttribute3": null,
    "inputAttribute4": null,
    "inputAttribute5": null,
    "inputAttribute6": null,
    "params": []
}
]

```

Notes

Here <base_encoded_string_of_image> is the base64 encoded string of an image used as a workflow icon.

4.1.3 Get Tenant Workflows

API Title	Get Tenant Workflows
Description	This API consumes orgCode of a Tenant in order to fetch the list of workflows which are associated with that Tenant
Role Access	Workflow Administrator, Tenant Administrator, Tenant User, Role Monitoring
HTTP Method	GET
URL	....../rest/workflows/tenants/{orgCode}/workflows
URL Parameters (Query Parameters)	

Key	Type	Optional	Values	Description
type	String[]	Yes	PROCESS_STUDIO	Workflow type
active	Boolean	Yes	true/false	Set this to true to get only active/enabled workflows in the result.
excludeAssisted	Boolean	Yes	true/false	Set this to true to exclude Assisted type workflows from the result.
Sample URL				
http://localhost:8081/aeengine/rest/tenants/AEDGE/workflows?type=PROCESS_STUDIO				
Request Headers				
Key	Type	Optional	Description	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
--				
Sample Response Body				
<pre>[{ "id": 1, "name": "First Workflow", "adapterId": 2 }, { "id": 11, "name": "Test SMTP", "adapterId": 12 }, { "id": 12, "name": "WF_Param_Delay", "adapterId": 13 }]</pre>				

4.1.4 Activate/Enable Workflow

API Title	Activate a workflow			
Description	This API is used to change the state of a workflow to Active.			
Role Access	Workflow Administrator, Tenant Administrator			
HTTP Method	PUT			
URL	.../rest/tenants/{orgCode}/workflows/{id}/activate			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/tenants/AEDGE/workflows/1/activate				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
--				
Sample Response Body				
<pre>{ "message": "Workflow [WF Param Delay] has been made active", "success": true }</pre>				

4.1.5 Deactivate/Disable Workflow

API Title	Deactivate a Workflow			
Description	This API is used to change the state of a workflow to Inactive.			
Role Access	Workflow Administrator, Tenant Administrator			
HTTP Method	PUT			
URL	.../rest/tenants/{orgCode}/workflows/{workflowId}/deactivate			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/tenants/AEDGE/workflows/1/deactivate				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
--				
Sample Response Body				
<pre>{ "message": "Workflow [WF Param Delay] has been made inactive", "success": true }</pre>				

4.1.6 Edit Workflow Configuration

API Title	Edit Workflow Configuration			
Description	This API is used to edit the configuration of a workflow.			
Role Access	Workflow Administrator, Tenant Administrator, Tenant User			
HTTP Method	PUT			
URL	.../rest/tenants/{orgCode}/workflows/{workflowId}			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/tenants/AEDGE/workflows/1				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
<pre>{ "id": 21, "adapterId": 22, "name": "WF Param Delay Two", "description": "This workflow takes some time to execute.", "parentCategoryId": 0, "icon": "data:image/png;base64, <base encoded string of image>", "active": true, "version": null, "isValid": true, "assisted": false, "sequentialExecution": false, "enableInputAttributes": false,</pre>				

```

"requiresInteractiveSession": false,
"expectedExecutionTimeInSeconds": 10,
"maxExecutionTimeInSeconds": 15,
"manualExecutionTimeInSeconds": 1,
"cleanupOldReqHours": null,
"priority": "DEFAULT",
"workflowConfigurationDetails": {
  "adapterName": "WF Param Delay Two-1593677548468",
  "className": "",
  "action": "WF Param Delay Two",
  "params": []
},
"notifications": [
  {
    "id": 16,
    "featureName": "WORKFLOW FAILURE",
    "settings": [
      {
        "notificationKey": "failure message",
        "value": "Time limit exceeded.."
      },
      {
        "notificationKey": "send to req creator",
        "value": false
      }
    ]
  },
  {
    "users": [
      {
        "message": "OK",
        "success": true,
        "id": 33,
        "tenant": {
          "message": "OK",
          "success": true,
          "id": 2,
          "orgCode": "AEDGE",
          "name": "Shivam Tyagi",
          "createdDate": 1592418422374,
          "lastUpdatedBy": 4,
          "lastUpdatedDate": 1593596639637,
          "onPrem": null,
          "trial": null,
          "adminOrg": false,
          "deleted": null,
          "logo": null,
          "description": "Adding a new Tenant",
          "integrationEnabled": true,
          "integrationConfigLimit": 2
        }
      }
    ]
  }
]

```

```

    },
    "emailId": "shivam.tyagi@automationedge.com",
    "userName": "tenantuser",
    "firstName": "Tenant",
    "lastName": "User",
    "password":
"$2a$10$0GWVLQ0yj7bQc9AtllntgOH/yfmpWiXe8Lt44u4DYOKnuB84gAR7m",
    "createdDate": 1593606427299,
    "lastUpdatedDate": 1593762616726,
    "forcePasswordChange": false,
    "assistedAgentAllowed": false,
    "lastLoginTime": 1593760186282,
    "authType": "NATIVE",
    "createdBy": 4,
    "lastUpdatedBy": 4,
    "lastPassChange": 1593628200000,
    "locale": null,
    "unsuccessfulAttempts": 0,
    "defaultDashboardId": 0,
    "homeDashboardId": 0,
    "psAllowed": false,
    "state": "ACTIVE",
    "deleteConfiguration": 0,
    "groupIds": [],
    "roles": null
  }
],
"toEmailids": "",
"roles": [],
"level": "WORKFLOW",
"enabled": true,
"entityId": 0
},
{
  "id": 16,
  "featureName": "LONG_RUNNING_WORKFLOW",
  "settings": [
    {
      "notificationKey": "failure_message",
      "value": "Time limit exceeded.."
    },
    {
      "notificationKey": "send to req creator",
      "value": false
    }
  ],
  "users": [
    {
      "message": "OK",

```



```

    "success": true,
    "id": 33,
    "tenant": {
      "message": "OK",
      "success": true,
      "id": 2,
      "orgCode": "AEDGE",
      "name": "Shivam Tyagi",
      "createdDate": 1592418422374,
      "lastUpdatedBy": 4,
      "lastUpdatedDate": 1593596639637,
      "onPrem": null,
      "trial": null,
      "adminOrg": false,
      "deleted": null,
      "logo": null,
      "description": "Adding a new Tenant",
      "integrationEnabled": true,
      "integrationConfigLimit": 2
    },
    "emailId": "shivam.tyagi@automationedge.com",
    "userName": "tenantuser",
    "firstName": "Tenant",
    "lastName": "User",
    "password":
"$2a$10$0GWVLQ0yj7bQc9AtllntgOH/yfmpWiXe8Lt44u4DYOKnuB84gAR7m",
    "createdDate": 1593606427299,
    "lastUpdatedDate": 1593762616726,
    "forcePasswordChange": false,
    "assistedAgentAllowed": false,
    "lastLoginTime": 1593760186282,
    "authType": "NATIVE",
    "createdBy": 4,
    "lastUpdatedBy": 4,
    "lastPassChange": 1593628200000,
    "locale": null,
    "unsuccessfulAttempts": 0,
    "defaultDashboardId": 0,
    "homeDashboardId": 0,
    "psAllowed": false,
    "state": "ACTIVE",
    "deleteConfiguration": 0,
    "groupIds": [],
    "roles": null
  }
],
"toEmailids": "",
"roles": [],
"level": "WORKFLOW",

```

```

        "enabled": true,
        "entityId": 0
    }
],
"verified": false
}

```

Sample Response Body

```

{
  "message": "OK",
  "success": true,
  "id": 21,
  "name": "WF_Param_Delay_Two",
  "onPrem": null,
  "deleted": null,
  "meteringUnits": 0,
  "version": null,
  "retryCount": null,
  "expectedExecutionTimeInSeconds": 10,
  "maxExecutionTimeInSeconds": 15,
  "createdDate": 1593677548630,
  "lastUpdatedDate": 1593852352483,
  "sequentialExecution": false,
  "adapterId": 22,
  "description": "This workflow takes some time to execute.",
  "icon": "data:image/png;base64, <base encoded string of image>",
  "requiresInteractiveSession": false,
  "workflowConfigurationDetails": {
    "action": "WF_Param_Delay_Two",
    "adapterName": "WF Param Delay Two-1593677548468",
    "params": []
  },
  "startNode": null,
  "endNode": null,
  "parentCategory": null,
  "parentCategoryId": 0,
  "permission": null,
  "parentId": null,
  "endWfId": null,
  "startWfId": null,
  "createdBy": 4,
  "lastUpdatedBy": 4,
  "cleanupOldReqHours": 0,
  "manualExecutionTimeInSeconds": 1,
  "assisted": false,
  "priority": "DEFAULT",
  "parent": null,

```

```

"processStudioWorkflow": true,
"enableInputAttributes": false,
"childs": [],
"notifications": [
  {
    "message": "OK",
    "success": true,
    "id": 15,
    "tenant": {
      "message": "OK",
      "success": true,
      "id": 2,
      "orgCode": "AEDGE",
      "name": "Shivam Tyagi",
      "createdDate": 1592418422374,
      "lastUpdatedBy": 4,
      "lastUpdatedDate": 1593596639637,
      "onPrem": null,
      "trial": null,
      "adminOrg": false,
      "deleted": null,
      "logo": null,
      "description": "Adding a new Tenant",
      "integrationEnabled": true,
      "integrationConfigLimit": 2
    },
    "featureName": "WORKFLOW FAILURE",
    "toEmailids": "",
    "level": "WORKFLOW",
    "enabled": true,
    "createdDate": 1593677591214,
    "lastUpdatedDate": 1593852352513,
    "updatedByUser": {
      "message": "OK",
      "success": true,
      "id": 4,
      "tenant": {
        "message": "OK",
        "success": true,
        "id": 2,
        "orgCode": "AEDGE",
        "name": "Shivam Tyagi",
        "createdDate": 1592418422374,
        "lastUpdatedBy": 4,
        "lastUpdatedDate": 1593596639637,
        "onPrem": null,
        "trial": null,
        "adminOrg": false,

```

```

        "deleted": null,
        "logo": null,
        "description": "Adding a new Tenant",
        "integrationEnabled": true,
        "integrationConfigLimit": 2
    },
    "emailId": "shivam.tyagi@automationedge.com",
    "userName": "shivamtyagi14",
    "firstName": "Shivam",
    "lastName": "Tyagi",
    "password": "$2a$10$CHnxKlXEgSX8EyQRvMuCG./J0IMrZ.SR/VLeAz85ULptNl7l2.MGa",
    "createdDate": 1592418989233,
    "lastUpdatedDate": 1593701234199,
    "forcePasswordChange": false,
    "assistedAgentAllowed": false,
    "lastLoginTime": 1593852151176,
    "authType": "NATIVE",
    "createdBy": 1,
    "lastUpdatedBy": 4,
    "lastPassChange": 1593628200000,
    "locale": null,
    "unsuccessfulAttempts": 0,
    "defaultDashboardId": 0,
    "homeDashboardId": 0,
    "psAllowed": true,
    "state": "ACTIVE",
    "deleteConfiguration": 0,
    "groupIds": [],
    "roles": null
},
"roles": [],
"users": [
    {
        "message": "OK",
        "success": true,
        "id": 33,
        "tenant": {
            "message": "OK",
            "success": true,
            "id": 2,
            "orgCode": "AEDGE",
            "name": "Shivam Tyagi",
            "createdDate": 1592418422374,
            "lastUpdatedBy": 4,
            "lastUpdatedDate": 1593596639637,
            "onPrem": null,
            "trial": null,
            "adminOrg": false,

```

```

        "deleted": null,
        "logo": null,
        "description": "Adding a new Tenant",
        "integrationEnabled": true,
        "integrationConfigLimit": 2
    },
    "emailId": "shivam.tyagi@automationedge.com",
    "userName": "tenantuser",
    "firstName": "Tenant",
    "lastName": "User",
    "password":
"$2a$10$0GWVLQ0yj7bQc9AtllntgOH/yfmpWiXe8Lt44u4DYOKnuB84gAR7m",
    "createdDate": 1593606427299,
    "lastUpdatedDate": 1593762616726,
    "forcePasswordChange": false,
    "assistedAgentAllowed": false,
    "lastLoginTime": 1593760186282,
    "authType": "NATIVE",
    "createdBy": 4,
    "lastUpdatedBy": 4,
    "lastPassChange": 1593628200000,
    "locale": null,
    "unsuccessfulAttempts": 0,
    "defaultDashboardId": 0,
    "homeDashboardId": 0,
    "psAllowed": false,
    "state": "ACTIVE",
    "deleteConfiguration": 0,
    "groupIds": [],
    "roles": null
}
],
"settings": [
    {
        "message": "OK",
        "success": true,
        "id": 254,
        "notificationKey": "send to req creator",
        "value": false
    },
    {
        "message": "OK",
        "success": true,
        "id": 253,
        "notificationKey": "failure message",
        "value": "Time limit exceeded.."
    },
    {
        "message": "OK",

```

```

        "success": true,
        "id": 257,
        "notificationKey": "failure message",
        "value": "Time limit exceeded.."
    },
    {
        "message": "OK",
        "success": true,
        "id": 258,
        "notificationKey": "send to req creator",
        "value": false
    }
]
},
{
    "message": "OK",
    "success": true,
    "id": 16,
    "tenant": {
        "message": "OK",
        "success": true,
        "id": 2,
        "orgCode": "AEDGE",
        "name": "Shivam Tyagi",
        "createdDate": 1592418422374,
        "lastUpdatedBy": 4,
        "lastUpdatedDate": 1593596639637,
        "onPrem": null,
        "trial": null,
        "adminOrg": false,
        "deleted": null,
        "logo": null,
        "description": "Adding a new Tenant",
        "integrationEnabled": true,
        "integrationConfigLimit": 2
    },
    "featureName": "LONG RUNNING WORKFLOW",
    "toEmailids": "",
    "level": "WORKFLOW",
    "enabled": true,
    "createdDate": 1593677591237,
    "lastUpdatedDate": 1593852352533,
    "updatedByUser": {
        "message": "OK",
        "success": true,
        "id": 4,
        "tenant": {
            "message": "OK",

```

```

        "success": true,
        "id": 2,
        "orgCode": "AEDGE",
        "name": "Shivam Tyagi",
        "createdDate": 1592418422374,
        "lastUpdatedBy": 4,
        "lastUpdatedDate": 1593596639637,
        "onPrem": null,
        "trial": null,
        "adminOrg": false,
        "deleted": null,
        "logo": null,
        "description": "Adding a new Tenant",
        "integrationEnabled": true,
        "integrationConfigLimit": 2
    },
    "emailId": "shivam.tyagi@automationedge.com",
    "userName": "shivamtyagi14",
    "firstName": "Shivam",
    "lastName": "Tyagi",
    "password": "$2a$10$CHnxKlXEgSX8EyQRvMuCG./J0IMrZ.SR/VLeAz85ULptNl7l2.MGa",
    "createdDate": 1592418989233,
    "lastUpdatedDate": 1593701234199,
    "forcePasswordChange": false,
    "assistedAgentAllowed": false,
    "lastLoginTime": 1593852151176,
    "authType": "NATIVE",
    "createdBy": 1,
    "lastUpdatedBy": 4,
    "lastPassChange": 1593628200000,
    "locale": null,
    "unsuccessfulAttempts": 0,
    "defaultDashboardId": 0,
    "homeDashboardId": 0,
    "psAllowed": true,
    "state": "ACTIVE",
    "deleteConfiguration": 0,
    "groupIds": [],
    "roles": null
},
"roles": [],
"users": [
    {
        "message": "OK",
        "success": true,
        "id": 33,
        "tenant": {
            "message": "OK",

```

```

        "success": true,
        "id": 2,
        "orgCode": "AEDGE",
        "name": "Shivam Tyagi",
        "createdDate": 1592418422374,
        "lastUpdatedBy": 4,
        "lastUpdatedDate": 1593596639637,
        "onPrem": null,
        "trial": null,
        "adminOrg": false,
        "deleted": null,
        "logo": null,
        "description": "Adding a new Tenant",
        "integrationEnabled": true,
        "integrationConfigLimit": 2
    },
    "emailId": "shivam.tyagi@automationedge.com",
    "userName": "tenantuser",
    "firstName": "Tenant",
    "lastName": "User",
    "password":
"$2a$10$0GWVLQ0yj7bQc9AtllntgOH/yfmpWiXe8Lt44u4DYOKnuB84gAR7m",
    "createdDate": 1593606427299,
    "lastUpdatedDate": 1593762616726,
    "forcePasswordChange": false,
    "assistedAgentAllowed": false,
    "lastLoginTime": 1593760186282,
    "authType": "NATIVE",
    "createdBy": 4,
    "lastUpdatedBy": 4,
    "lastPassChange": 1593628200000,
    "locale": null,
    "unsuccessfulAttempts": 0,
    "defaultDashboardId": 0,
    "homeDashboardId": 0,
    "psAllowed": false,
    "state": "ACTIVE",
    "deleteConfiguration": 0,
    "groupIds": [],
    "roles": null
}
],
"settings": [
{
    "message": "OK",
    "success": true,
    "id": 255,
    "notificationKey": "failure message",
    "value": "Time limit exceeded.."
}
]

```



```

    },
    {
      "message": "OK",
      "success": true,
      "id": 256,
      "notificationKey": "send to req creator",
      "value": "false"
    },
    {
      "message": "OK",
      "success": true,
      "id": 259,
      "notificationKey": "send to req creator",
      "value": "false"
    },
    {
      "message": "OK",
      "success": true,
      "id": 260,
      "notificationKey": "failure_message",
      "value": "Time limit exceeded.."
    }
  ]
},
{
  "message": "OK",
  "success": true,
  "id": 15,
  "tenant": {
    "message": "OK",
    "success": true,
    "id": 2,
    "orgCode": "AEDGE",
    "name": "Shivam Tyagi",
    "createdDate": 1592418422374,
    "lastUpdatedBy": 4,
    "lastUpdatedDate": 1593596639637,
    "onPrem": null,
    "trial": null,
    "adminOrg": false,
    "deleted": null,
    "logo": null,
    "description": "Adding a new Tenant",
    "integrationEnabled": true,
    "integrationConfigLimit": 2
  },
  "featureName": "WORKFLOW_FAILURE",
  "toEmailids": "",

```

```

"level": "WORKFLOW",
"enabled": true,
"createdDate": 1593677591214,
"lastUpdatedDate": 1593852352513,
"updatedByUser": {
  "message": "OK",
  "success": true,
  "id": 4,
  "tenant": {
    "message": "OK",
    "success": true,
    "id": 2,
    "orgCode": "AEDGE",
    "name": "Shivam Tyagi",
    "createdDate": 1592418422374,
    "lastUpdatedBy": 4,
    "lastUpdatedDate": 1593596639637,
    "onPrem": null,
    "trial": null,
    "adminOrg": false,
    "deleted": null,
    "logo": null,
    "description": "Adding a new Tenant",
    "integrationEnabled": true,
    "integrationConfigLimit": 2
  },
  "emailId": "shivam.tyagi@automationedge.com",
  "userName": "shivamtyagi14",
  "firstName": "Shivam",
  "lastName": "Tyagi",
  "password": "$2a$10$CHnxKlXEgSX8EyQRvMuCG./J0IMrZ.SR/VLeAz85ULptNl7l2.MGa",
  "createdDate": 1592418989233,
  "lastUpdatedDate": 1593701234199,
  "forcePasswordChange": false,
  "assistedAgentAllowed": false,
  "lastLoginTime": 1593852151176,
  "authType": "NATIVE",
  "createdBy": 1,
  "lastUpdatedBy": 4,
  "lastPassChange": 1593628200000,
  "locale": null,
  "unsuccessfulAttempts": 0,
  "defaultDashboardId": 0,
  "homeDashboardId": 0,
  "psAllowed": true,
  "state": "ACTIVE",
  "deleteConfiguration": 0,
  "groupIds": [],

```

```

        "roles": null
    },
    "roles": [],
    "users": [
        {
            "message": "OK",
            "success": true,
            "id": 33,
            "tenant": {
                "message": "OK",
                "success": true,
                "id": 2,
                "orgCode": "AEDGE",
                "name": "Shivam Tyagi",
                "createdDate": 1592418422374,
                "lastUpdatedBy": 4,
                "lastUpdatedDate": 1593596639637,
                "onPrem": null,
                "trial": null,
                "adminOrg": false,
                "deleted": null,
                "logo": null,
                "description": "Adding a new Tenant",
                "integrationEnabled": true,
                "integrationConfigLimit": 2
            },
            "emailId": "shivam.tyagi@automationedge.com",
            "userName": "tenantuser",
            "firstName": "Tenant",
            "lastName": "User",
            "password":
"$2a$10$0GWVLQ0yj7bQc9AtllntgOH/yfmpWiXe8Lt44u4DYOKnuB84gAR7m",
            "createdDate": 1593606427299,
            "lastUpdatedDate": 1593762616726,
            "forcePasswordChange": false,
            "assistedAgentAllowed": false,
            "lastLoginTime": 1593760186282,
            "authType": "NATIVE",
            "createdBy": 4,
            "lastUpdatedBy": 4,
            "lastPassChange": 1593628200000,
            "locale": null,
            "unsuccessfulAttempts": 0,
            "defaultDashboardId": 0,
            "homeDashboardId": 0,
            "psAllowed": false,
            "state": "ACTIVE",
            "deleteConfiguration": 0,
            "groupIds": [],

```

```

        "roles": null
    }
],
"settings": [
    {
        "message": "OK",
        "success": true,
        "id": 254,
        "notificationKey": "send to req creator",
        "value": "false"
    },
    {
        "message": "OK",
        "success": true,
        "id": 253,
        "notificationKey": "failure message",
        "value": "Time limit exceeded.."
    },
    {
        "message": "OK",
        "success": true,
        "id": 257,
        "notificationKey": "failure message",
        "value": "Time limit exceeded.."
    },
    {
        "message": "OK",
        "success": true,
        "id": 258,
        "notificationKey": "send to req creator",
        "value": "false"
    }
]
},
{
    "message": "OK",
    "success": true,
    "id": 16,
    "tenant": {
        "message": "OK",
        "success": true,
        "id": 2,
        "orgCode": "AEDGE",
        "name": "Shivam Tyagi",
        "createdDate": 1592418422374,
        "lastUpdatedBy": 4,
        "lastUpdatedDate": 1593596639637,
        "onPrem": null,

```

```

        "trial": null,
        "adminOrg": false,
        "deleted": null,
        "logo": null,
        "description": "Adding a new Tenant",
        "integrationEnabled": true,
        "integrationConfigLimit": 2
    },
    "featureName": "LONG RUNNING WORKFLOW",
    "toEmailids": "",
    "level": "WORKFLOW",
    "enabled": true,
    "createdDate": 1593677591237,
    "lastUpdatedDate": 1593852352533,
    "updatedByUser": {
        "message": "OK",
        "success": true,
        "id": 4,
        "tenant": {
            "message": "OK",
            "success": true,
            "id": 2,
            "orgCode": "AEDGE",
            "name": "Shivam Tyagi",
            "createdDate": 1592418422374,
            "lastUpdatedBy": 4,
            "lastUpdatedDate": 1593596639637,
            "onPrem": null,
            "trial": null,
            "adminOrg": false,
            "deleted": null,
            "logo": null,
            "description": "Adding a new Tenant",
            "integrationEnabled": true,
            "integrationConfigLimit": 2
        }
    },
    "emailId": "shivam.tyagi@automationedge.com",
    "userName": "shivamtyagi14",
    "firstName": "Shivam",
    "lastName": "Tyagi",
    "password": "$2a$10$CHnxKlXEgSX8EyQRvMuCG./J0IMrZ.SR/VLeAz85ULptNl7l2.MGa",
    "createdDate": 1592418989233,
    "lastUpdatedDate": 1593701234199,
    "forcePasswordChange": false,
    "assistedAgentAllowed": false,
    "lastLoginTime": 1593852151176,
    "authType": "NATIVE",
    "createdBy": 1,

```

```

        "lastUpdatedBy": 4,
        "lastPassChange": 1593628200000,
        "locale": null,
        "unsuccessfulAttempts": 0,
        "defaultDashboardId": 0,
        "homeDashboardId": 0,
        "psAllowed": true,
        "state": "ACTIVE",
        "deleteConfiguration": 0,
        "groupIds": [],
        "roles": null
    },
    "roles": [],
    "users": [
        {
            "message": "OK",
            "success": true,
            "id": 33,
            "tenant": {
                "message": "OK",
                "success": true,
                "id": 2,
                "orgCode": "AEDGE",
                "name": "Shivam Tyagi",
                "createdDate": 1592418422374,
                "lastUpdatedBy": 4,
                "lastUpdatedDate": 1593596639637,
                "onPrem": null,
                "trial": null,
                "adminOrg": false,
                "deleted": null,
                "logo": null,
                "description": "Adding a new Tenant",
                "integrationEnabled": true,
                "integrationConfigLimit": 2
            },
            "emailId": "shivam.tyagi@automationedge.com",
            "userName": "tenantuser",
            "firstName": "Tenant",
            "lastName": "User",
            "password":
"$2a$10$0GWVLQ0yj7bQc9AtllntgOH/yfmpWiXe8Lt44u4DYOKnuB84gAR7m",
            "createdDate": 1593606427299,
            "lastUpdatedDate": 1593762616726,
            "forcePasswordChange": false,
            "assistedAgentAllowed": false,
            "lastLoginTime": 1593760186282,
            "authType": "NATIVE",
            "createdBy": 4,

```

```

        "lastUpdatedBy": 4,
        "lastPassChange": 1593628200000,
        "locale": null,
        "unsuccessfulAttempts": 0,
        "defaultDashboardId": 0,
        "homeDashboardId": 0,
        "psAllowed": false,
        "state": "ACTIVE",
        "deleteConfiguration": 0,
        "groupIds": [],
        "roles": null
    }
],
"settings": [
    {
        "message": "OK",
        "success": true,
        "id": 255,
        "notificationKey": "failure message",
        "value": "Time limit exceeded.."
    },
    {
        "message": "OK",
        "success": true,
        "id": 256,
        "notificationKey": "send_to_req_creator",
        "value": "false"
    },
    {
        "message": "OK",
        "success": true,
        "id": 259,
        "notificationKey": "send to req creator",
        "value": "false"
    },
    {
        "message": "OK",
        "success": true,
        "id": 260,
        "notificationKey": "failure message",
        "value": "Time limit exceeded.."
    }
]
}
],
"valid": true,
"container": false,
"workflowInactive": null,

```

```
"active": true,
"verified": false
}
```

Notes

- <base_encoded_string_of_image> : Please replace the tag present in the request body with the base64 encoded string of an image.
- In the actual HTTP Response, <base_encoded_string_of_image> will have the base64 encoded string of an image uploaded as a workflow icon.

4.1.7 Give Workflow Permissions to User/UserGroup

API Title	Give Workflow Permissions to User/User Group			
Description	This API is used to add permissions to the users/user-groups with respect to workflow.			
Role Access	User Administrator, Tenant Administrator			
HTTP Method	PUT			
URL	....../rest/tenants/{orgCode}/workflows/permission/{workflowId}			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/tenants/AEDGE/workflows/permission/1				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				


```
{
  "type": "User",
  "permissions": [
    {
      "id": 11,
      "permission": "r x"
    },
    {
      "id": 9,
      "permission": "rwx"
    },
    {
      "id": 3,
      "permission": "r x"
    }
  ]
}
```

Sample Response Body

```
{
  "type": "User",
  "permissions": [
    {
      "id": 11,
      "permission": "r x"
    },
    {
      "id": 9,
      "permission": "rwx"
    },
    {
      "id": 3,
      "permission": "r x"
    }
  ]
}
```

4.2 Workflow Category Management

4.2.1 Create Category

API Title	Create Category
Description	This API is used to create a new category

Role Access	Tenant Administrator, Workflow Administrator			
HTTP Method	POST			
URL	..../rest/tenants/{orgCode}/category			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8081/aeengine/rest/tenants/AEDGE/category				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
<pre>{ "categoryName": "Automation Workflows", "description": "Contains workflows related to automation." }</pre>				
Sample Response Body				
<pre>{ "message": "OK", "success": true, "id": 9, "categoryName": "Automation Workflows", "description": "Contains workflows related to automation.", "createdDate": 1594325313859, "lastUpdatedDate": 1594325313859, "createdBy": 2, "lastUpdatedBy": 2, "tenant": { "message": "OK", "success": true,</pre>				

```

    "id": 2,
    "orgCode": "AEDGE",
    "name": "Automation Edge",
    "createdDate": 1594226311729,
    "lastUpdatedBy": 1,
    "lastUpdatedDate": 1594296150048,
    "onPrem": null,
    "trial": null,
    "adminOrg": false,
    "deleted": null,
    "logo": null,
    "description": "This is our first tenant",
    "integrationEnabled": true,
    "integrationConfigLimit": 2
  },
  "resources": []
}

```

4.2.2 Get Category

API Title	Get Category			
Description	This API is used to get the details of a category.			
Role Access	Tenant Administrator, Workflow Administrator			
HTTP Method	GET			
URL	.../rest/tenants/{orgCode}/category/{categoryId}			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8081/aeengine/rest/tenants/AEDGE/category/1				
Request Headers				
Key	Type	Optional	Description	
X-session-token	String	No	<session-token-value>	

Sample Request Body

--

Sample Response Body

```
{
  "message": "OK",
  "success": true,
  "id": 9,
  "categoryName": "Automation Workflows",
  "description": "Contains workflows related to automation.",
  "createdDate": 1594325313859,
  "lastUpdatedDate": 1594325541205,
  "createdBy": 2,
  "lastUpdatedBy": 2,
  "tenant": {
    "message": "OK",
    "success": true,
    "id": 2,
    "orgCode": "AEDGE",
    "name": "Automation Edge",
    "createdDate": 1594226311729,
    "lastUpdatedBy": 1,
    "lastUpdatedDate": 1594296150048,
    "onPrem": null,
    "trial": null,
    "adminOrg": false,
    "deleted": null,
    "logo": null,
    "description": "This is our first tenant",
    "integrationEnabled": true,
    "integrationConfigLimit": 2
  },
  "resources": []
}
```

4.2.3 Get All Categories

API Title	Get All Categories
Description	This API is used to fetch the categories for a specific Tenant.
Role Access	Tenant Administrator, Workflow Administrator, User Administrator, Tenant User, Role Monitoring

HTTP Method	GET			
URL	....../rest/tenants/{orgCode}/category			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8081/aeengine/rest/tenants/AEDGE/category				
Request Headers				
Key	Type	Optional	Description	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
--				
Sample Response Body				
<pre>[{ "message": "OK", "success": true, "id": 9, "categoryName": "Automation Workflows", "description": "Contains workflows related to automation.", "createdDate": 1594325313859, "lastUpdatedDate": 1594325541205, "createdBy": 2, "lastUpdatedBy": 2, "tenant": { "message": "OK", "success": true, "id": 2, "orgCode": "AEDGE", "name": "Automation Edge", "createdDate": 1594226311729, "lastUpdatedBy": 1, "lastUpdatedDate": 1594296150048,</pre>				

```

        "onPrem": null,
        "trial": null,
        "adminOrg": false,
        "deleted": null,
        "logo": null,
        "description": "This is our first tenant",
        "integrationEnabled": true,
        "integrationConfigLimit": 2
    },
    "resources": []
},
{
    "message": "OK",
    "success": true,
    "id": 0,
    "categoryName": "Default",
    "description": null,
    "createdDate": null,
    "lastUpdatedDate": null,
    "createdBy": 0,
    "lastUpdatedBy": 0,
    "tenant": null,
    "resources": []
}
]

```

4.2.4 Give Category Permissions to Users/User Groups

API Title	Give Category Permissions to Users/User Groups			
Description	This API is used to grant permissions to the Users/ User Groups.			
Role Access	Tenant Administrator, User Administrator			
HTTP Method	PUT			
URL	....../rest/tenants/{orgCode}/category/permission/{categoryId}			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				

<http://localhost:8081/aeengine/rest/tenants/AEDGE/category/permission/1>

Request Headers

Key	Type	Optional	Description
Content-Type	String	No	application/json
X-session-token	String	No	<session-token-value>

Sample Request Body

```
{
  "type": "User",
  "permissions": [
    {
      "id": 10,
      "permission": "r x"
    },
    {
      "id": 9,
      "permission": "r x"
    },
    {
      "id": 3,
      "permission": "r "
    },
    {
      "id": 8,
      "permission": "rwx"
    }
  ]
}
```

Sample Response Body

```
{
  "type": "User",
  "permissions": [
    {
      "id": 10,
      "permission": "r_x"
    },
    {
      "id": 9,
      "permission": "r x"
    }
  ]
}
```

```

    },
    {
      "id": 3,
      "permission": "r__"
    },
    {
      "id": 8,
      "permission": "rwx"
    }
  ]
}

```

4.2.5 Get Category Permissions

API Title	Get category permissions			
Description	This API is used to get the details of permissions of category for a specific Tenant.			
Role Access	Tenant Administrator, User Administrator			
HTTP Method	POST			
URL	....../rest/tenants/{orgCode}/category/permission/{categoryId}			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
Sample URL				
http://localhost:8081/aeengine/rest/tenants/AEDGE/category/permission/1				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Form Data Parameters				

Key	Type	Optional	Description
Sample Form Data			
Key	Value		
Sample Request Body			
<pre>{ "type": "User", "permissions": [] }</pre>			
Sample Response Body			
<pre>{ "type": "User", "permissions": [{ "id": 10, "permission": "r_x" }, { "id": 9, "permission": "r x" }, { "id": 3, "permission": "r__" }, { "id": 8, "permission": "rwx" }] }</pre>			
Notes			
--			

4.3 Workflow Request/Instance Operations

4.3.1 Submit/Execute Workflow Request

API Title	Submit/Execute Workflow Request			
Description	This API is used to execute a workflow.			
Role Access	Tenant Administrator, Workflow Administrator, Tenant User, Role Integration			
HTTP Method	POST			
URL	....../rest/execute			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/execute				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
<pre>{ "orgCode": "AEDGE", "workflowName": "WF Param Delay Two", "userId": "Shivam Tyagi", "sourceId": "SID ea-814-219e-9a-d9bfa-b9c9-80", "source": "AutomationEdge HelpDesk", "responseMailSubject": "null", "params": [{ "name": "delay seconds", "value": 5,</pre>				

```

        "type": "Integer",
        "order": 1,
        "secret": false,
        "optional": true,
        "defaultValue": "40",
        "displayName": "Sleep in seconds",
        "extension": null,
        "poolCredential": false,
        "listOfValues": null
    }
}

```

Sample Response Body

```

{
  "source": "AutomationEdge HelpDesk",
  "sourceId": "SID ea-814-219e-9a-d9bfa-b9c9-80",
  "automationRequestId": 40,
  "success": true,
  "responseCode": "RequestCreated",
  "errorDetails": null,
  "responseDetails": null,
  "userId": "Shivam Tyagi",
  "responseMailSubject": "null",
  "parentId": null,
  "inputAttribute1": null,
  "inputAttribute2": null,
  "inputAttribute3": null,
  "inputAttribute4": null,
  "inputAttribute5": null,
  "inputAttribute6": null
}

```

4.3.2 Get Workflow Request Details

API Title	Get Workflow Request Details
Description	This API is used to get the details of a workflow instance.
Role Access	Tenant Administrator, Workflow Administrator, Tenant User
HTTP Method	GET
URL	....rest/workflowinstances/{requestId}

URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/workflowinstances/3				
Request Headers				
Key	Type	Optional	Description	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
--				
Sample Response Body				
<pre>{ "id": 3, "workflowConfiguration": { "id": 12, "name": "WF Param Delay", "adapterId": 13 }, "container": false, "source": "AutomationEdge HelpDesk", "sourceId": "SID 38-940-2132-87-ab399-98db-bd", "userId": "Shivam Tyagi", "agentName": "Shivam tyagi@DESKTOP-4HC30AS", "agentDeleted": false, "status": "Complete", "workflowResponse": { "message": "Workflow completed!!", "error": null, "currentStatus": null, "outputParameters": [{ "name": "Input sleep value (seconds)", "value": "8", "type": "String", "order": 0,</pre>				

```

        "secret": false,
        "optional": false,
        "defaultValue": null,
        "displayName": "Input sleep value (seconds)",
        "extension": null,
        "poolCredential": false,
        "listOfValues": null
    }
]
},
"retriedCount": 0,
"totalOperations": 0,
"successfulOperations": 0,
"failureReason": null,
"failureReasonDescription": null,
"attribute1": "Hey Ash",
"attribute2": null,
"attribute3": null,
"attribute4": null,
"attribute5": null,
"attribute6": null,
"createdBy": 4,
"createdDate": 1593673040801,
"lastUpdatedDate": 1593673055743,
"executionStartTime": 1593673043045,
"completedDate": 1593673055733,
"enableTermination": false,
"priority": "DEFAULT",
"parentId": null,
"inputAttribute1": null,
"inputAttribute2": null,
"inputAttribute3": null,
"inputAttribute4": null,
"inputAttribute5": null,
"inputAttribute6": null,
"workflowName": "WF_Param_Delay"
}

```

4.3.3 Restart Request

API Title	Restart Workflow Request
Description	This API is used to restart a workflow.
Role Access	Tenant Administrator, Workflow Administrator, Tenant User

HTTP Method	PUT			
URL	..../rest /workflowinstances/{requestId}/restart			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8081/aeengine/rest/workflowinstances/12/restart				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
--				
Sample Response Body				
<pre>{ "message": "Request [12] has been restarted", "success": true }</pre>				

4.3.4 Get Requests

API Title	Get Requests (Workflow Instances)
Description	This API returns a list having details of all the workflow instances. This API has advanced filter options and it returns a paginated result.
Role Access	Tenant Administrator, Workflow Administrator, Tenant User, Role Monitoring
HTTP Method	POST

URL		....rest/workflowinstances		
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
offset	Number	Yes	0	Index of records
size	Number	Yes	10	Number of records to be fetched in a single page
order	String	Yes	asc/desc(default=desc)	Order of fetching the records
Sample URL				
http://localhost:8081/aeengine/rest/workflowinstances?offset=0&size=2&order=desc				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
<pre>{ "filter": [] }</pre>				
Sample Response Body				
<pre>{ "message": "OK", "success": true, "metadata": { "totalRecords": 2, "size": 10 }, "data": [{ "id": 6, "workflowConfiguration": { "id": 8, "name": "WF Delay", "adapterId": 7 } }] }</pre>				

```

    },
    "container": false,
    "source": "AutomationEdge HelpDesk",
    "sourceId": "SID_4b-b2b-214f-95-ea139-8a49-82",
    "userId": "Shivam Tyagi",
    "agentName": "Shivam tyagi@DESKTOP-4HC30AS",
    "agentDeleted": false,
    "status": "Complete",
    "workflowResponse": {
        "message": "Workflow completed!!",
        "error": null,
        "currentStatus": null,
        "outputParameters": [
            {
                "name": "Input sleep value (seconds)",
                "value": "3",
                "type": "String",
                "order": 0,
                "secret": false,
                "optional": false,
                "defaultValue": null,
                "displayName": "Input sleep value (seconds)",
                "extension": null,
                "poolCredential": false,
                "listOfValues": null
            }
        ]
    },
    "retriedCount": 0,
    "totalOperations": 0,
    "successfulOperations": 0,
    "failureReason": null,
    "failureReasonDescription": null,
    "attribute1": "Hey Ash",
    "attribute2": null,
    "attribute3": null,
    "attribute4": null,
    "attribute5": null,
    "attribute6": null,
    "createdBy": 2,
    "createdDate": 1594319011616,
    "lastUpdatedDate": 1594319017450,
    "executionStartTime": 1594319011746,
    "completedDate": 1594319017412,
    "enableTermination": false,
    "priority": "DEFAULT",
    "parentId": null,
    "inputAttribute1": null,

```



```

        "inputAttribute2": null,
        "inputAttribute3": null,
        "inputAttribute4": null,
        "inputAttribute5": null,
        "inputAttribute6": null,
        "workflowName": "WF Delay"
    },
    {
        "id": 5,
        "workflowConfiguration": {
            "id": 8,
            "name": "WF Delay",
            "adapterId": 7
        },
        "container": false,
        "source": "AutomationEdge HelpDesk",
        "sourceId": "SID 6b-b7a-21cc-b4-68408-ab09-85",
        "userId": "Shivam Tyagi",
        "agentName": "Shivam tyagi@DESKTOP-4HC30AS",
        "agentDeleted": false,
        "status": "Complete",
        "workflowResponse": {
            "message": "Workflow completed!!",
            "error": null,
            "currentStatus": null,
            "outputParameters": [
                {
                    "name": "Input sleep value (seconds)",
                    "value": "2",
                    "type": "String",
                    "order": 0,
                    "secret": false,
                    "optional": false,
                    "defaultValue": null,
                    "displayName": "Input sleep value (seconds)",
                    "extension": null,
                    "poolCredential": false,
                    "listOfValues": null
                }
            ]
        },
        "retriedCount": 0,
        "totalOperations": 0,
        "successfulOperations": 0,
        "failureReason": null,
        "failureReasonDescription": null,
        "attribute1": "Hey Ash",
        "attribute2": null,

```

```

    "attribute3": null,
    "attribute4": null,
    "attribute5": null,
    "attribute6": null,
    "createdBy": 2,
    "createdDate": 1594318987727,
    "lastUpdatedDate": 1594318995265,
    "executionStartTime": 1594318990881,
    "completedDate": 1594318995253,
    "enableTermination": false,
    "priority": "DEFAULT",
    "parentId": null,
    "inputAttribute1": null,
    "inputAttribute2": null,
    "inputAttribute3": null,
    "inputAttribute4": null,
    "inputAttribute5": null,
    "inputAttribute6": null,
    "workflowName": "WF Delay"
  }
}

```

Notes

- For more details on how to use filters, please see section [Advanced Search/Filter Options](#)
- Details of columns which are applicable for filters:

Column Name	JSON Attribute Name	Type
Id	id	Number
Workflow	wfName	String

o w Na m e	e	
Pri ori ty	pri ori ty	En u m
St at us	st at us	Str in g
So ur ce	so ur ce	Str in g
So ur ce Id	so ur cel d	Str in g
Ag en t Na m e	ag en tN a m e	Str in g
Su b mi tte d By	us erl d	Str in g
Cr ea te d	cr ea te dD at e	Da te
In pu t	in pu tA	Str in g

At tri bu te 1	ttr ib ut e1	
In pu t At tri bu te 2	in pu tA ttr ib ut e2	Str in g
In pu t At tri bu te 3	in pu tA ttr ib ut e3	Str in g
In pu t At tri bu te 4	in pu tA ttr ib ut e4	Str in g
In pu t At tri bu te 5	in pu tA ttr ib ut e5	Str in g
In pu t At tri	in pu tA ttr ib	Str in g

but e6	ut e6	
Attribute 1	attribute1	String
Attribute 2	attribute2	String
Attribute 3	attribute3	String
Attribute 4	attribute4	String
Attribute 5	attribute5	String
Attribute 6	attribute6	String

- Value set for Enums:

Column Name	Value Set
Priority	["LOW", "DEFAULT", "HIGH"]

4.3.5 Download Workflow Instances

API Title	Download Workflow Instances			
Description	This API returns a file having details of all the workflow instances. At a time 10000 records can be downloaded.			
Role Access	Tenant Administrator, Workflow Administrator, Tenant User, Role Monitoring			
HTTP Method	POST			
URL	.../rest/workflowinstances/download			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
offset	Number	Yes	0	Index of records
size	Number	Yes	10	Number of records to be fetched
Sample URL				
http://localhost:8081/aeengine/rest/workflowinstances/download?offset=0&size=10				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
<pre>{ "filter": [] }</pre>				
Sample Response Body				
This API returns a file to be downloaded. For more details see section API Result files				
Notes				

- A CSV file having details of workflow instances will be downloaded as a response of this API.
- Screenshot for reference:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	id	workflowName	priority	status	workflowId	agentName	source	sourceId	userId	createdDate	completedDate	failureReason	inputAttr1	inputAttr2	inputAttr3
2	9	WF_JAVA_Assignment	DEFAULT	New			Automatic	AE_f1616488-28bb-4c	Shivam Tyagi	00:02.9					
3	8	WF_Delay	DEFAULT	Expired			Automatic	AE_ce41786b-2be7-4	Shivam Tyagi	00:00.1					
4	7	WF_JAVA_Assignment2	DEFAULT	Complete	["message": "Standard", "sourceId": "AE_ab-b5f-21af-83-6"]		Automatic	SID_ab-b5f-21af-83-6	Shivam Tyagi	23:26.8	23:50.3				

- Details of columns which are applicable for filters:

Column Name	JSON Attribute Name	Type
Id	id	Number
Workflow Name	wfName	String
Priority	priority	Enum
Status	status	String
Source	source	String
Source	source	String

ur ce Id	ur cel d	in g
Ag en t Na m e	ag en tN a m e	Str in g
Su b mi tte d By	us erl d	Str in g
Cr ea te d	cr ea te dD at e	Da te
In pu t At tri bu te 1	in pu tA ttr ib ut e1	Str in g
In pu t At tri bu te 2	in pu tA ttr ib ut e2	Str in g
In pu t At	in pu tA ttr	Str in g

tribut e3	tribut e3	
Input Attribute 4	input Attribute 4	String
Input Attribute 5	input Attribute 5	String
Input Attribute 6	input Attribute 6	String
Attribute 1	attribute 1	String
Attribute 2	attribute 2	String
Attribute	attribute	String

te 3	e3	
At tri bu te 4	att rib ut e4	Str in g
At tri bu te 5	att rib ut e5	Str in g
At tri bu te 6	att rib ut e6	Str in g

- Value set for Enums:

Column Name	Value Set
Priority	["LOW", "DEFAULT", "HIGH"]

4.3.6 Download Request Output File

API Title	Download Request Output File			
Description	This API is used to download request execution output files.			
Role Access	Tenant Administrator, Workflow Administrator, Tenant User			
HTTP Method	GET			
URL	....../rest/workflowinstances/{requestId}/downloadfile			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
File	String	No		Mention file name to be downloaded

Sample URL			
http://localhost:8081/aeengine/rest/workflowinstances/1/downloadfile?File=abc.txt			
Request Headers			
Key	Type	Optional	Description
X-session-token	String	No	<session-token-value>
Sample Request Body			
--			
Sample Response Body			
This API returns a file to be downloaded. For more details see section API Result files			

4.3.7 Terminate Workflow Request

API Title	Terminate Workflow Request			
Description	This API is used to terminate a workflow request execution.			
Role Access	Tenant Administrator, Workflow Administrator			
HTTP Method	PUT			
URL	..../rest /workflowinstances/{requestId}/terminate			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8081/aeengine/rest/workflowinstances/44/terminate				
Request Headers				

Key	Type	Optional	Description
Content-Type	String	No	application/json
X-session-token	String	No	<session-token-value>
Sample Request Body			
--			
Sample Response Body			
<pre>{ "message": "Request [44] termination has been initiated", "success": true }</pre>			
Notes			
Here {requestId} indicates the id of a request to be terminated.			

5. Credential Management

5.1 Credential Operations

5.1.1 Create Credential

API Title	Create Credential			
Description	This API is used to create a new credential.			
Role Access	Tenant Administrator, Workflow Administrator			
HTTP Method	POST			
URL	....../rest/tenants/{orgCode}/credential			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				

<http://localhost:8080/aeengine/rest/tenants/AUTOMATIONEDGE/credential>

Request Headers

Key	Type	Optional	Description
Content-Type	String	No	application/json
X-session-token	String	No	<session-token-value>

Sample Request Body

```
{
  "name": "Rediffmail",
  "description": "My Rediffmail Credentials",
  "username": "myrediffmailid@rediffmail.com",
  "password": "123456",
  "opt1": "Para1",
  "opt2": "Para2",
  "enc1": "Parameter1",
  "enc2": "Parameter2"
}
```

Sample Response Body

```
{
  "id": 4,
  "name": "Rediffmail",
  "description": "My Rediffmail Credentials",
  "createdDate": 1589528946545,
  "lastUpdatedDate": 1589528946545,
  "tenant": {
    "message": "OK",
    "success": true,
    "id": 2,
    "orgCode": "AUTOMATIONEDGE",
    "name": "Govinda",
    "createdDate": 1585396841518,
    "lastUpdatedBy": 1,
    "lastUpdatedDate": 1585396841518,
    "onPrem": null,
    "trial": null,
    "adminOrg": false,
    "deleted": null,
    "logo": null,
    "description": "This is tenant account",
    "integrationEnabled": false,
  }
}
```

```

        "integrationConfigLimit": null
    },
    "expiryDate": 1590517799999,
    "username": "myrediffmailid@rediffmail.com",
    "password": "+kzLuU5cLP0FY02/16ON3A==",
    "opt1": "Para1",
    "opt2": "Para2",
    "enc1": "NY9w0rKruG3OFpbvAqqleQ==",
    "enc2": "P+p1NNcVIP5VXfUeDBRj9A==",
    "createdBy": 2,
    "lastUpdatedBy": 2,
    "vaultConnection": null,
    "vaultReferenceJSON": null
}

```

5.1.2 Update Credentials

API Title	Update Credentials			
Description	Update the credentials which are already present, if not present then will generate an error.			
Role Access	Tenant Administrator, Workflow Administrator			
HTTP Method	PUT			
URL	....../rest/tenants/{orgCode}/credential/{credential-id}			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/tenants/AUTOMATIONEDGE/credential/2				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				

```
{
  "id": 2,
  "name": "Yahoo",
  "description": "My Yahoo Credentials",
  "username": "myoldemail@yahoo.com",
  "password": "MyPass",
  "opt1": "DummyPara1",
  "opt2": "DummyPara2",
  "enc1": "Para1",
  "enc2": "Para2"
}
```

Sample Response Body

```
{
  "id": 2,
  "name": "Yahoo",
  "description": "My Yahoo Credentials",
  "createdDate": 1589526324447,
  "lastUpdatedDate": 1589528135971,
  "tenant": {
    "message": "OK",
    "success": true,
    "id": 2,
    "orgCode": "AUTOMATIONEDGE",
    "name": "Govinda",
    "createdDate": 1585396841518,
    "lastUpdatedBy": 1,
    "lastUpdatedDate": 1585396841518,
    "onPrem": null,
    "trial": null,
    "adminOrg": false,
    "deleted": null,
    "logo": null,
    "description": "This is tenant account",
    "integrationEnabled": false,
    "integrationConfigLimit": null
  },
  "expiryDate": 1590949799999,
  "username": "myoldemail@yahoo.com",
  "password": "u/HFhRcNAjhxnuWUWE2Suw==",
  "opt1": "DummyPara1",
  "opt2": "DummyPara2",
  "enc1": "11mh/JTxOpXsrLKonltm/g==",
  "enc2": "sO350RhrHWDn06BBKoWTsA==",
  "createdBy": 2,
  "lastUpdatedBy": 2,
  "vaultConnection": null,
}
```

<pre>"vaultReferenceJSON": null }</pre>
Notes
--

5.1.3 Delete Credentials

API Title	Delete Credential			
Description	This API consumes credential Id in order to delete the credential.			
Role Access	Tenant Administrator, Workflow Administrator			
HTTP Method	DELETE			
URL	.../rest/tenants/{orgCode}/credential/{credential-id}			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
Sample URL				
http://localhost:8080/aeengine/rest/tenants/AEDGE/credential/1				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
--				
Sample Response Body				
<pre>{ "message": "Credential [MyGoogleAccount] deleted successfully", "success": true }</pre>				


```
}

```

5.1.4 Get Credential

API Title	Get Credential			
Description	This API uses credential Id in order to fetch the details of credential.			
Role Access	Tenant Administrator, Workflow Administrator			
HTTP Method	GET			
URL	..../rest/tenants/{orgCode}/credential/{credential-id}			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/tenants/AUTOMATIONEDGE/credential/2				
Request Headers				
Key	Type	Optional	Description	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
--				
Sample Response Body				
<pre>{ "id": 1, "name": "MyGoogleAccount", "description": "Credentials of my Google Account", "createdDate": 1594297551407, "lastUpdatedDate": 1594297551407, "tenant": { "message": "OK", "success": true, "id": 2,</pre>				

```

    "orgCode": "AEDGE",
    "name": "Automation Edge",
    "createdDate": 1594226311729,
    "lastUpdatedBy": 1,
    "lastUpdatedDate": 1594296150048,
    "onPrem": null,
    "trial": null,
    "adminOrg": false,
    "deleted": null,
    "logo": null,
    "description": "This is our first tenant",
    "integrationEnabled": true,
    "integrationConfigLimit": 2
  },
  "expiryDate": 1596220199999,
  "username": "shivam.tyagi@automationedge.com",
  "password": "NUs7ZF6/jJSydzIMvHtyQg==",
  "opt1": null,
  "opt2": null,
  "enc1": null,
  "enc2": null,
  "createdBy": 2,
  "lastUpdatedBy": 2,
  "vaultConnection": null,
  "vaultReferenceJSON": null
}

```

5.1.5 Get All Credentials

API Title	Get All Credentials for a Tenant			
Description	This API is used to fetch the credentials for a Tenant.			
Role Access	Tenant Administrator, Workflow Administrator			
HTTP Method	GET			
URL	....../rest/tenants/{orgCode}/credential			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				

<http://localhost:8080/aeengine/rest/tenants/AEDGE/credential>

Request Headers

Key	Type	Optional	Description
X-session-token	String	No	<session-token-value>

Sample Request Body

--

Sample Response Body

```
[
  {
    "id": 1,
    "name": "MyGoogleAccount",
    "description": "Credentials of my Google Account",
    "createdDate": null,
    "lastUpdatedDate": null,
    "tenant": null,
    "expiryDate": null,
    "username": null,
    "password": null,
    "opt1": null,
    "opt2": null,
    "enc1": null,
    "enc2": null,
    "createdBy": 0,
    "lastUpdatedBy": 0,
    "vaultConnection": null,
    "vaultReferenceJSON": null
  }
]
```

5.2 Credential Pool Operations

5.2.1 Create Credential Pool

API Title	Create Credential Pool
Description	This API is used to create a new credential pool.
Role Access	Tenant Administrator, Workflow Administrator

HTTP Method	POST			
URL	....rest/tenants/{orgCode}/credentialpool			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/tenants/AEDGE/credentialpool				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
<pre>{ "name": "WebGUI", "description": "WebGUI information of my Google account" }</pre>				
Sample Response Body				
<pre>{ "id": 1, "name": "WebGUI", "description": "WebGUI information of my Google account", "createdDate": 1594297697121, "lastUpdatedDate": 1594297697121, "createdBy": 2, "lastUpdatedBy": 2, "tenant": { "message": "OK", "success": true, "id": 2, "orgCode": "AEDGE", "name": "Automation Edge", "createdDate": 1594226311729, "lastUpdatedBy": 1,</pre>				

```

    "lastUpdatedDate": 1594296150048,
    "onPrem": null,
    "trial": null,
    "adminOrg": false,
    "deleted": null,
    "logo": null,
    "description": "This is our first tenant",
    "integrationEnabled": true,
    "integrationConfigLimit": 2
  },
  "credentials": []
}

```

5.2.2 Delete Credential Pool

API Title	Delete Credential Pool			
Description	This API is used to delete the credential pool.			
Role Access	Tenant Administrator, Workflow Administrator			
HTTP Method	DELETE			
URL	....../rest/tenants/{orgCode}/credentialpool/{poolId}			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/tenants/AEDGE/credentialpool/1				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				

--

Sample Response Body

```
{
  "message": "Credential pool [WebGUI] deleted successfully",
  "success": true
}
```

5.2.3 Move Credentials

API Title	Move Credentials			
Description	This API is used to move credentials.			
Role Access	Tenant Administrator, Workflow Administrator			
HTTP Method	PUT			
URL	.../rest/tenants/{orgCode}/credentialpool/credential/{poolId}			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/tenants/AEDGE/credentialpool/credential/1				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
<pre>{ "credentialIds": [1], "parentPoolId": 0 }</pre>				

}
Sample Response Body
[1]

5.2.4 Get Credential Pool

API Title	Get Credential Pool			
Description	This API is used to fetch the details of a credential pool.			
Role Access	Tenant Administrator, Workflow Administrator			
HTTP Method	GET			
URL	.../rest/tenants/{orgCode}/credentialpool/{poolId}			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/tenants/AUTOMATIONEDGE/credentialpool/1				
Request Headers				
Key	Type	Optional	Description	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
--				
Sample Response Body				
<pre>{ "id": 1, "name": "WebGUI", "description": "WebGUI information of my Google account",</pre>				

```

    "createdDate": 1594297697121,
    "lastUpdatedDate": 1594298867744,
    "createdBy": 2,
    "lastUpdatedBy": 2,
    "tenant": {
      "message": "OK",
      "success": true,
      "id": 2,
      "orgCode": "AEDGE",
      "name": "Automation Edge",
      "createdDate": 1594226311729,
      "lastUpdatedBy": 1,
      "lastUpdatedDate": 1594296150048,
      "onPrem": null,
      "trial": null,
      "adminOrg": false,
      "deleted": null,
      "logo": null,
      "description": "This is our first tenant",
      "integrationEnabled": true,
      "integrationConfigLimit": 2
    },
    "credentials": [
      {
        "id": 1,
        "name": "MyGoogleAccount",
        "description": "Credentials of my Google Account",
        "createdDate": null,
        "lastUpdatedDate": null,
        "tenant": null,
        "expiryDate": null,
        "username": null,
        "password": null,
        "opt1": null,
        "opt2": null,
        "enc1": null,
        "enc2": null,
        "createdBy": 0,
        "lastUpdatedBy": 0,
        "vaultConnection": null,
        "vaultReferenceJSON": null
      }
    ]
  }
}

```

Notes

--

5.2.5 Get Credential Pools for Tenant

API Title	Get Credential Pools for Tenant			
Description	This API is used to fetch the details of credential pools for Tenant.			
Role Access	Tenant Administrator, Workflow Administrator			
HTTP Method	GET			
URL	....../rest/tenants/{orgCode}/credentialpool			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8080/aeengine/rest/tenants/AEDGE/credentialpool				
Request Headers				
Key	Type	Optional	Description	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
--				
Sample Response Body				
<pre>[{ "id": 2, "name": "WebGUI", "description": "WebGUI information of my Google account", "createdDate": 1594299205974, "lastUpdatedDate": 1594299212972,</pre>				

```

    "createdBy": 2,
    "lastUpdatedBy": 2,
    "tenant": {
      "message": "OK",
      "success": true,
      "id": 2,
      "orgCode": "AEDGE",
      "name": "Automation Edge",
      "createdDate": 1594226311729,
      "lastUpdatedBy": 1,
      "lastUpdatedDate": 1594296150048,
      "onPrem": null,
      "trial": null,
      "adminOrg": false,
      "deleted": null,
      "logo": null,
      "description": "This is our first tenant",
      "integrationEnabled": true,
      "integrationConfigLimit": 2
    },
    "credentials": []
  }
}

```

6. Logs

6.1 Audit Log Operations

6.1.1 Get All Audit Logs

API Title	Get All AuditLogs			
Description	This API is used to get the details of all audit log records. This API has advanced filter options and it returns a paginated result.			
Role Access	System Administrator, Tenant Administrator			
HTTP Method	POST			
URL	.... /rest/auditlog			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
offset	Number	Yes	0	Index of records

size	Number	Yes	10	Number of records to be fetched
order	String	Yes	asc/desc(default=asc)	Order of fetching the records

Sample URL

<http://localhost:8081/aeengine/rest/auditlog?offset=0&size=10&order=asc>

Request Headers

Key	Type	Optional	Description
Content-Type	String	No	application/json
X-session-token	String	No	<session-token-value>

Sample Request Body

```
{  
  "filter": []  
}
```

Sample Response Body

```
{  
  "message": "OK",  
  "success": true,  
  "metadata": {  
    "totalRecords": 669,  
    "size": 2,  
    "lastUri":  
"http://localhost:8081/aeengine/rest/auditlog?offset=668&size=2&order=desc",  
    "nextUri": "http://localhost:8081/aeengine/rest/auditlog?offset=2&size=2&order=desc"  
  },  
  "data": [  
    {  
      "operation": "AUTHENTICATE",  
      "entity": "USER",  
      "description": "shivamtyagi14 logged in successfully",  
      "level": "INFO",  
      "status": "Success",  
      "objectId": 4,  
      "objectName": "shivamtyagi14",  
      "createdDate": 1593860201084,  
      "tenantId": null,  
      "orgCode": "AEDGE",  
      "sourceIp": "0",  
    }  
  ]  
}
```

```

        "source": "SERVER",
        "userId": 4,
        "userName": "shivamtyagi14",
        "agentId": null,
        "agentName": null,
        "hostName": "DESKTOP-4HC30AS"
    },
    {
        "operation": "REQUEST",
        "entity": "USER",
        "description": "Session expired, Last login time: 2020-07-04 16:10:14.205",
        "level": "INFO",
        "status": "Failure",
        "objectId": 4,
        "objectName": "shivamtyagi14",
        "createdDate": 1593860196498,
        "tenantId": null,
        "orgCode": "AEDGE",
        "sourceIp": "192.168.0.103",
        "source": "SYSTEM",
        "userId": null,
        "userName": null,
        "agentId": null,
        "agentName": null,
        "hostName": "DESKTOP-4HC30AS"
    }
}

```

Notes

- Details of columns which are applicable for filters:

Column Name	JS ON Attribute Name	Type
Entity	entity	Entity

y	y	m
Source	source	Enum
Log Level	level	Enum
Username	username	String
Agent Name	agentName	String
Source IP	sourceIP	String
Operation	operation	Enum
Created	createdDate	Date
Status	status	Enum

- Value set for Enums:

Column Name	Value Set
Entity	["ADAPTER","AGENT","AGENT_CONSUMPTION","AGENT_SETTINGS","APPLICATION","ASSISTED_AGENT_LICENSE","CATEGORY","CONTAINER_WORKFLOW","CREDENTIAL","CREDENTIAL_POOL","DEBUG_LOG_REQUEST","FILE","INTEGRATION_CONFIGURATION","INTEGRATION_SERVICE","INTEGRATION_SERVICE_MACHINE_INFO","INTEGRATION_TYPE","LDAP_CONFIGURATION","LICENSE","NOTIFICATION_CONFIGURATION","PASSWORD_POLICY","PROXY_CONFIGURATION","PS","PS_LICENSE","PS_PLUGIN","PS_PLUGIN_PROPERTY","PURGING","REMEDY_FORCE_CONFIGURATION","REPORT_DATASOURCE","REPORT_TEMPLATE","ROLE","SCHEDULE","SECURITY_ANSWER","SERVER_URL","SMTP_CONFIGURATION","SSO_CONFIG","SSO_USER","SYSTEM_SETTING","TENANT","TENANT_VAULT_MAPPING","USER","USER_GROUP","USER_GROUP_MAPPING","VAULT_CONNECTION","WHITELISTING","WORKFLOW","WORKFLOW_CONSUMPTION","WORKFLOW_INSTANCE","WORKFLOW_PARAMETER"]
Source	["AGENT","INTEGRATION","SERVER","SYSTEM","WORKFLOW"]
Log Level	["INFO","TRACE"]
Operation	["ACTIVATE","ADD","ASSIGN","ASSIGN_PERMISSIONS","AUTHENTICATE","CHANGE_PASSWORD","CHANGE_STATE","CREATE","DEACTIVATE","DELETE","DISABLE","DOWNGRADE","DOWNLOAD","EDIT","ENABLE","EXECUTE","EXPIRE","EXPORT","IMPORT","LOGOUT","NOTIFY","OWNERSHIP_TRANSFER","REGISTER","REQUEST","RESPONSE","RESTART","START","STOP","SYNC","TERMINATE_INITIATED","UNASSIGN","UPDATE","UPGRADE","UPLOAD","VERIFY"]
Status	["Failure","Success"]

6.1.2 Download Audit Logs

API Title	Download Audit Logs.
Description	This API is used to download Audit Logs. This API has advanced filter options.
Role Access	System Administrator, Tenant Administrator
HTTP Method	POST
URL	....rest/auditlogdownload
URL Parameters (Query Parameters)	

Key	Type	Optional	Values	Description
offset	Number	Yes	0	Index of records
size	Number	Yes	10	Number of records to be fetched
order	String	Yes	asc/desc(default=desc)	Order of fetching the records

Sample URL

<http://localhost:8080/aeengine/rest/auditlogdownload?offset=0&size=10&order=desc>

Request Headers

Key	Type	Optional	Description
Content-Type	String	No	application/json
X-session-token	String	No	<session-token-value>

Sample Request Body

```
{
  "filter": []
}
```

Sample Response Body

This API does not have any response body. It returns a file for download. Please see section [API Result files](#) for more details.

Notes

- Details of columns which are applicable for filters:

Column Name	JS ON Attribute Name	Type
-------------	----------------------	------

En tit y	en tit y	En u m
So ur ce	so ur ce	En u m
Lo g Le ve l	le ve l	En u m
Us er na me	us er Na me	Str in g
Ag en t Na me	ag en tNa ame	Str in g
So ur ce IP	so ur cel p	Str in g
O pe rat ion	op er ati on	En u m
Cr ea te d	cr ea te dDa te	Da te
St at	st at	En u

us	us	m
----	----	---

- Value set for Enums:

Column Name	Value Set
Entity	["ADAPTER","AGENT","AGENT_CONSUMPTION","AGENT_SETTINGS","APPLICATION","ASSISTED_AGENT_LICENSE","CATEGORY","CONTAINER_WORKFLOW","CREDENTIAL","CREDENTIAL_POOL","DEBUG_LOG_REQUEST","FILE","INTEGRATION_CONFIGURATION","INTEGRATION_SERVICE","INTEGRATION_SERVICE_MACHINE_INFO","INTEGRATION_TYPE","LDAP_CONFIGURATION","LICENSE","NOTIFICATION_CONFIGURATION","PASSWORD_POLICY","PROXY_CONFIGURATION","PS","PS_LICENSE","PS_PLUGIN","PS_PLUGIN_PROPERTY","PURGING","REMEDY_FORCE_CONFIGURATION","REPORT_DATASOURCE","REPORT_TEMPLATE","ROLE","SCHEDULE","SECURITY_ANSWER","SERVER_URL","SMTP_CONFIGURATION","SSO_CONFIG","SSO_USER","SYSTEM_SETTING","TENANT","TENANT_VAULT_MAPPING","USER","USER_GROUP","USER_GROUP_MAPPING","VAULT_CONNECTION","WHITELISTING","WORKFLOW","WORKFLOW_CONSUMPTION","WORKFLOW_INSTANCE","WORKFLOW_PARAMETER"]
Source	["AGENT","INTEGRATION","SERVER","SYSTEM","WORKFLOW"]
Log Level	["INFO", "TRACE"]
Operation	["ACTIVATE","ADD","ASSIGN","ASSIGN_PERMISSIONS","AUTHENTICATE","CHANGE_PASSWORD","CHANGE_STATE","CREATE","DEACTIVATE","DELETE","DISABLE","DOWNGRADE","DOWNLOAD","EDIT","ENABLE","EXECUTE","EXPIRE","EXPORT","IMPORT","LOGOUT","NOTIFY","OWNERSHIP_TRANSFER","REGISTER","REQUEST","RESPONSE","RESTART","START","STOP","SYNC","TERMINATE_INITIATED","UNASSIGN","UPDATE","UPGRADE","UPLOAD","VERIFY"]
Status	["Failure","Success"]

6.2 Agent Log Operations

6.2.1 Request for Agent Logs

API Title	Request for agent logs
Description	This API is used to request for agent logs which can be later downloaded.
Role Access	Tenant Administrator, Workflow Administrator
HTTP Method	POST
URL	.... /rest /agent /debuglogs

URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8081/aeengine/rest/agent/debuglogs				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
<pre>{ "fromDate": 1594060200000, "toDate": 1594319399999, "agentInfoDto": { "uuid": "8bfd14c3-cd5b-47db-b3d0-d807fc1896bd" } }</pre>				
Sample Response Body				
<pre>{ "id": 2, "createdDate": 1594323351202, "lastUpdatedDate": 1594323351202, "createdBy": 2, "lastUpdatedBy": 2, "workflowInstanceId": null, "fromDate": 1594060200000, "toDate": 1594319399999, "status": "NEW", "logFileLink": null, "agentInfoDto": { "id": 0, "uuid": "8bfd14c3-cd5b-47db-b3d0-d807fc1896bd", "agentName": null, "version": null, } }</pre>				

```

    "agentState": null
  }
}

```

6.2.2 Download Agent Logs

API Title	Download Agent Logs			
Description	This API is used to download agent logs from Server.			
Role Access	Tenant Administrator, Workflow Administrator			
HTTP Method	GET			
URL	.... /rest /agent/debuglogs/{logReqId}			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
-	-	-	-	-
Sample URL				
http://localhost:8081/aeengine/rest /agent/debuglogs/1				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	application/json	
X-session-token	String	No	<session-token-value>	
Sample Request Body				
--				
Sample Response Body				
This API does not have any response body. It returns a file for download. Please see section API Result files for more details.				

Notes

- A ZIP file having the requested agent logs will be downloaded as a response to this API.

7. File Handling

7.1 File Upload

API Title	File Upload			
Description	Upload a file onto AE Server using multipart form data. This API returns UUID (unique identifier) for an uploaded file. Pass workflow id in the URL as query parameter in order to upload a file for a workflow as input .			
Role Access	Tenant Administrator, Workflow Administrator, Tenant User			
HTTP Method	POST			
URL	..../rest/file/upload			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
workflow_name	String	Yes	--	Workflow name (use this parameter if want to upload as workflow input file)
workflow_id	Number	Yes	--	Workflow Id
request_id	Number	Yes	--	Workflow Instance Id (if present, workflow_id will be ignored)
file_id	String	Yes	--	File Identifier (if present file will be stored under the directory created by this name)
Sample URL				
http://localhost:8080/aeengine/rest/file/upload				
Request Headers				
Key	Type	Optional	Description	
Content-Type	String	No	multipart/form-data	

X-session-token	String	No	<session-token-value>
Form Data Parameters			
Key	Type	Optional	Description
file	File	No	File to be uploaded
Sample Form Data			
Key	Value		
file	Input File		
Sample Request Body			
--			
Sample Response Body			
<pre>{ "message": "File uploaded successfully", "success": true, "id": 19, "fileName": "SpringJodaTimeSupport.txt", "uuid": "3b1b6f66-6ea2-4780-882f-c7d1789275ba", "uploadedDate": 1477377780274 }</pre>			
Notes			
<div>1) If you are using Postman as a REST client, then you should not specify “Content-Type: multipart/form-data” in headers. Postman automatically understands the Content-Type if you have selected “form-data” in “Body” tab.</div> <div>2) You need to add this header Content-Type only if you are consuming this API from code</div> <div>3) Workflow input file<div><div>a. Pass “workflow_name” URL parameter if you want to upload a file as a workflow input</div><div>b. Once successfully uploaded, you will receive an UUID in the response.</div><div>c. Use this UUID as value to a parameter of type file in the execute request body.</div></div><div>For example,</div><div><pre>{ "orgCode": "TEST", "workflowName": "File Upload Test",</pre></div></div>			

```

    "userId": "Ash",
    "source": "Postman",
    "sourceId": null,
    "responseMailSubject": null,
    "params": [
      {
        "name": "Param1",
        "value": "aaaaa",
        "type": "String"
      },
      {
        "name": "InputFile1",
        "value": "345a89e3-d12b-4e87-9ef8-fc0ff3188b29",
        "type": "File"
      }
    ]
  }
}

```

7.2 File Download

API Title	File Download			
Description	Download a file from AE Server using UUID. File contents are part of an Http Response Output stream.			
Role Access	Tenant Administrator, Workflow Administrator, Tenant User			
HTTP Method	GET			
URL	....../rest/file/download			
URL Parameters (Query Parameters)				
Key	Type	Optional	Values	Description
file_id	UUID	No		UUID of a file to be downloaded
workflow_name	String	Yes		Workflow Name
workflow_id	Number	Yes		Workflow Id
request_id	Number	Yes		Workflow Instance Id (if present, workflow_id will be ignored)
Sample URL				
http://localhost:8080/aeengine/rest/file/download?file_id=3b1b6f66-6ea2-4780-882f-c7d1789275ba				

Request Headers			
Key	Type	Optional	Description
X-session-token	String	No	<session-token-value>
Sample Request Body			
--			
Sample Response Body			
This API does not have any response body. It returns a file for download. Please see section API Result files for more details.			