

Autonomous Identity API

This chapter is targeted to developers who want to access Autonomous Identity using the REST Application Programming Interface (API).

ForgeRock® Autonomous Identity is an entitlements and roles analytics system that lets you fully manage your company's access to your data.

An entitlement refers to the rights or privileges assigned to a user or thing for access to specific resources. A company can have millions of entitlements without a clear picture of what they are, what they do, and who they are assigned to. Autonomous Identity solves this problem by using advanced artificial intelligence (AI) and automation technology to determine the full entitlements landscape for your company. The system also detects potential risks arising from incorrect or over-provisioned entitlements that lead to policy violations. Autonomous Identity eliminates the manual re-certification of entitlements and provides a centralized, transparent, and contextual view of all access points within your company.



About the API

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Access the entitlements endpoints.



Rules

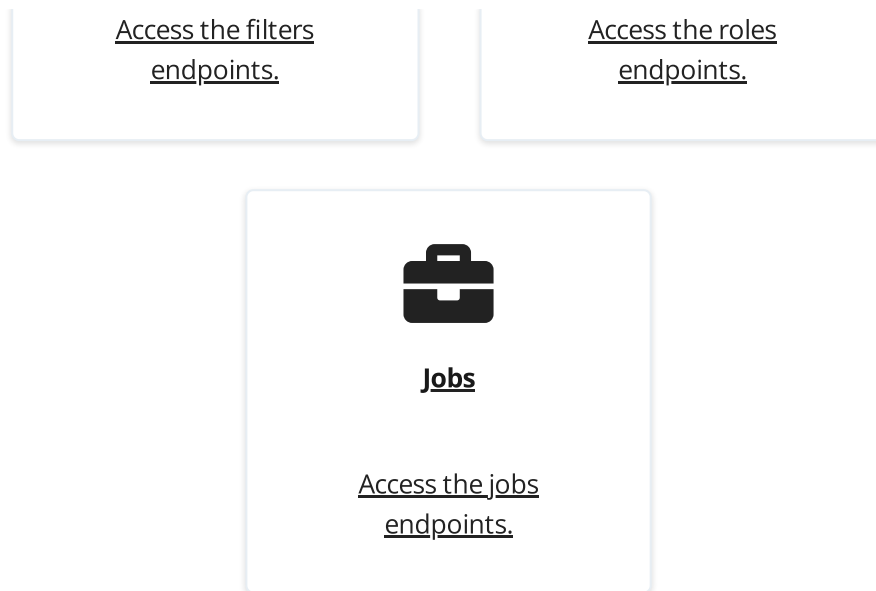
Access the rules endpoints.



Filters



Roles



About the Autonomous Identity API

Autonomous Identity provides a RESTful application programming interface (API) that lets you use HTTP request methods (GET, PUT, and POST) to interact with the system and its components. The API lets a developer make requests to send or receive data to an Autonomous Identity endpoint, a point where the API communicates with the system. The data that is sent or returned is in JavaScript Object Notation (JSON) format.

Autonomous Identity provides a Swagger client that you can access on the console.

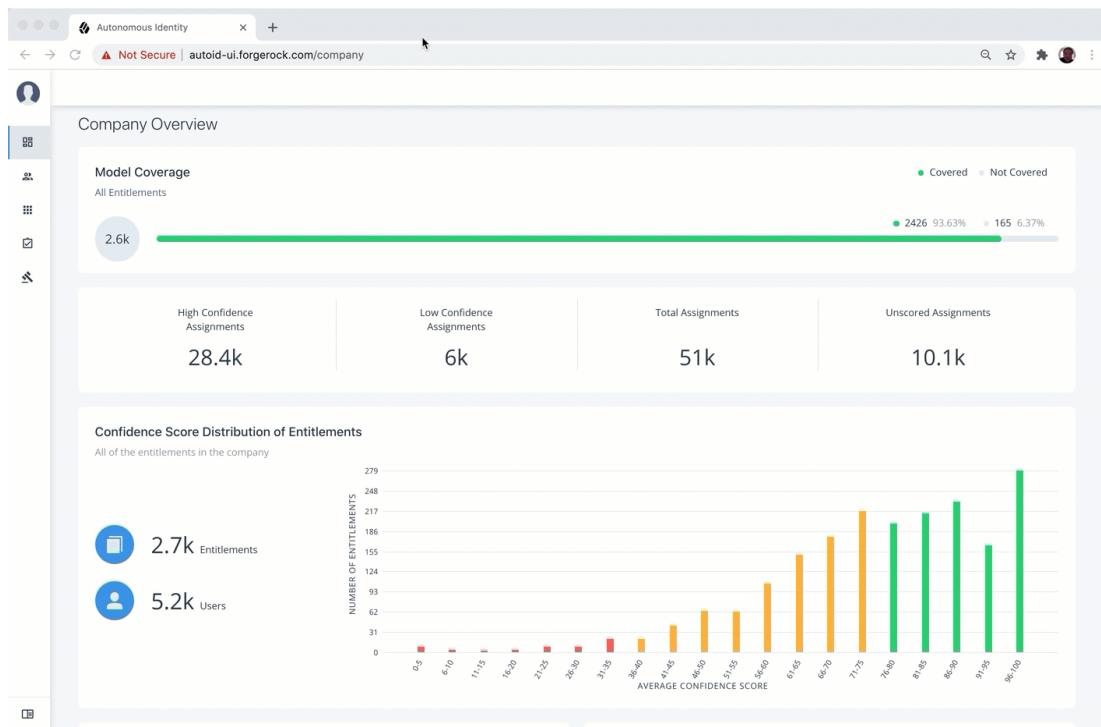
Using Swagger

The Autonomous Identity installs with a Swagger client that lets you interact with the Autonomous Identity API and the configuration service API. Swagger is a popular software that provides design, build, test, and documentation tools for RESTful APIs.

Access the Autonomous Identity API on Swagger

1. Open a browser, and point it to `https://autoid-ui.forgerock.com/`. Log in to the Autonomous Identity console.
2. Open another browser tab, and point to `https://autoid-ui.forgerock.com/swagger/`. You should see a default Swagger API page.
3. Open another browser tab, and point to `https://autoid-ui.forgerock.com/api/swagger`. You should see a raw text version of the API.
4. Go back to the Swagger page in step 2, and enter `https://autoid-ui.forgerock.com/api/swagger` in the field, and click **Explore**. You will see the Autonomous Identity API service.

▼ [See it in action](#)

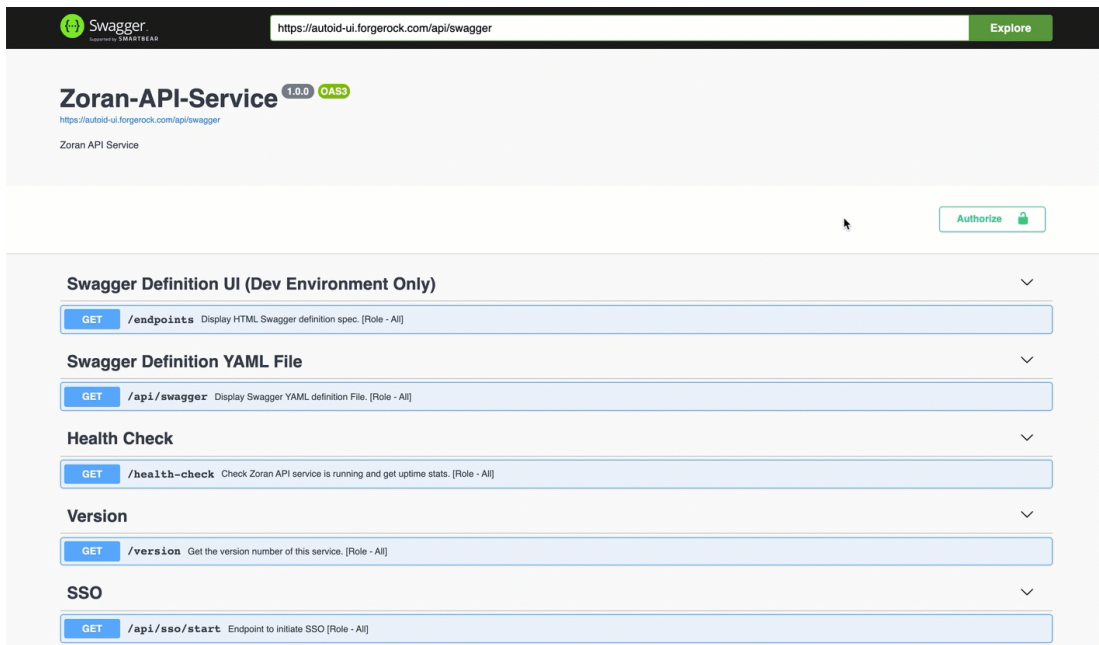


Authorize on Swagger

1. On the Swagger page, scroll down to the Login API.
2. In the Login API section, click POST, and then click **Try it out**.
3. In the request body, enter the username and password of a user. Click **Execute**.
4. Scroll down to Response Body, and highlight the returned bearer token value.
5. Scroll back to the top of the page, and click **Authorize**. Enter the value of the bearer token, and then click **Authorize**. Close the panel when finished.

You can now access the Autonomous Identity API endpoints in Swagger.

▼ [See it in action](#)

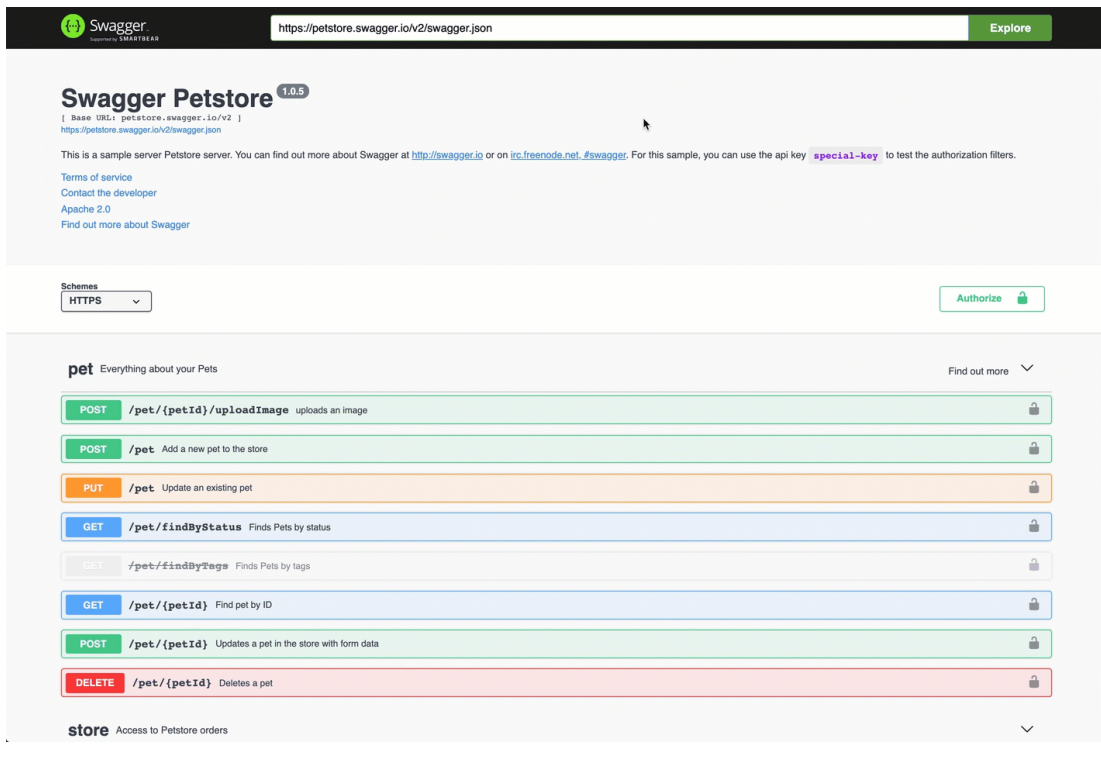


Access the Autonomous Identity Configuration Service API on Swagger

1. Access the Swagger page as presented in [Access the Autonomous Identity API on Swagger](#).
2. Open another browser tab, and point to `https://autoid-ui.forgerock.com/conf/swagger`. You should see a raw test version of the API.
3. Go back to the Swagger page in step 1, and enter `https://autoid-ui.forgerock.com/conf/swagger` in the field, and click **Explore**. You will see the Configuration Service API.
4. At the top of the page, click **Authorize**. Enter `configadmin` and password. The password was set in the `~/autoid-config/vault.yml` during install. Click **Authorize**, and then close the dialog box

You can now access the Configuration Service API endpoints in Swagger.

▼ [See it in action](#)



Using API Keys

Autonomous Identity gives an administrator the ability to create API keys for those who want to access the system via the API. For more information, see [Self Service](#).

To use an API token, you need both the tenant ID that the API key belongs to, and the API token itself.

Obtain the Tenant ID

In Autonomous Identity 2021.8.0 and later, the tenant ID is set as an environment variable that you can easily access.

- On the target node, get the tenant ID.

```
$ env | grep TENANT_ID
TENANT_ID=8700f5cb-eaca-461e-8c2e-245a25f2399d
```

API Key Examples

The following curl example illustrates how to use the API key to get a datasource ID for an ingestion job:

1. Obtain an API key from an administrator. See [Create API Keys](#).

2. Obtain the tenant ID using the environment variable.

```
$ env | grep TENANT_ID
TENANT_ID=8700f5cb-eaca-461e-8c2e-245a25f2399d
```

3. Query Autonomous Identity's Java API Service (JAS) to obtain a data source ID using the API Key (for example, '1b7789f0-6c2f-4afa-a84b-a65a28f5c1a1'):

```
curl 'https://autoid-
ui.forgerock.com/jas/datasource/search' \
  -H 'authority: autoid-ui.forgerock.com' \
  -H 'sec-ch-ua: "Chromium";v="92", " Not A;Brand";v="99",
"Google Chrome";v="92"' \
  -H 'accept: application/json, text/plain, /' \
  -H 'x-tenant-id: 8700f5cb-eaca-461e-8c2e-245a25f2399d' \
  -H 'authorization: 1b7789f0-6c2f-4afa-a84b-a65a28f5c1a1'
\
  -H 'sec-ch-ua-mobile: ?0' \
  -H 'user-agent: Mozilla/5.0 (Macintosh; Intel Mac OS X
10_15_7) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/92.0.4515.159 Safari/537.36' \
  -H 'content-type: application/json' \
  -H 'origin: https://autoid-ui.forgerock.com' \
  -H 'sec-fetch-site: same-origin' \
  -H 'sec-fetch-mode: cors' \
  -H 'sec-fetch-dest: empty' \
  -H 'referrer: https://autoid-ui.forgerock.com/data-
sources' \
  -H 'accept-language: en-US,en;q=0.9' \
  --data-raw '{
    "query": {
      "sort": [
        {
          "datasource_id.keyword": {
            "order": "desc"
          }
        }
      ],
      "size": 10,
      "track_total_hits": true,
      "query": {
        "match_all": {}
      }
    }
  }'
```

```
--compressed \  
--insecure
```

The response includes the datasource ID:

```
{  
  "took": 8,  
  "timed_out": false,  
  "_shards": {  
    "total": 3,  
    "successful": 3,  
    "skipped": 0,  
    "failed": 0  
  },  
  "hits": {  
    "total": {  
      "value": 1,  
      "relation": "eq"  
    },  
    "max_score": null,  
    "hits": [  
      {  
        "_index": "autonomous-  
iam_common_datasources_latest",  
        "_type": "_doc",  
        "_id":  
"259b80c7693e92c4c29bd64deac4cd99826d427027645c9413afdb3f0  
83b891d8d34cefaebd5fcf098c066dc1a4da2879d8732d59bfd2e239a2  
85184f8e7a35b",  
        "_score": null,  
        "_source": {  
          "datasource_id": "2d7a6a76-469c-4035-b312-  
fb1daf104e98",  
          "name": "Showcase-CSV-DS",  
          "sync_type": "full",  
          "icon": "apps",  
          "isActive": true,  
          "entityTypes": {  
            "/autoid/system/datasources/2d7a6a76-469c-  
4035-b312-fb1daf104e98/applications": {  
              "uri": {  
                "file":  
"file:/data/input/applications.csv"  
              }  
            }  
          }  
        }  
      ],  
  }  
}
```

```

        "/autoid/system/datasources/2d7a6a76-469c-4035-b312-fb1daf104e98/assignments": {
            "uri": {
                "file": "file:/data/input/assignments.csv"
            }
        },
        "/autoid/system/datasources/2d7a6a76-469c-4035-b312-fb1daf104e98/entitlements": {
            "uri": {
                "file": "file:/data/input/entitlements.csv"
            }
        },
        "/autoid/system/datasources/2d7a6a76-469c-4035-b312-fb1daf104e98/identities": {
            "uri": {
                "file": "file:/data/input/identities.csv"
            }
        }
    },
    "connectionSettings": {
        "csv": {}
    },
    "metadata": {
        "contextId": "scripts",
        "entityType": "/common/datasources",
        "primaryKey": "2d7a6a76-469c-4035-b312-fb1daf104e98",
        "entityPath": "/common/datasources/2d7a6a76-469c-4035-b312-fb1daf104e98",
        "entityDefinition": "datasources",
        "namespace": "/common",
        "branch": "actual",
        "created": "2021-08-25T03:53:33.634Z",
        "tenantId": "autonomous-iam"
    }
},
"sort": [
    "2d7a6a76-469c-4035-b312-fb1daf104e98"
]
}
]
}
}
}

```

4. Make sure your client that accesses the JAS configuration has something similar to the following:

```
public static final String CONFIG_JAS_API_TOKEN =  
"JAS_API_KEY";  
public static final String CONFIG_JAS_TENANT_ID =  
"TENANT_ID";
```

API Service

The following are Autonomous Identity API Service endpoints:

GET /health-check

GET /health-check

Check that the Autonomous Identity API service is running. Get uptime statistics. [All]

Endpoint

```
/health-check
```

Headers

```
Content-Type    application/json
```

Body

Example Request

```
curl --request GET "https://autoid-  
api.forgerock.com/health-check" \  
--header "Content-Type: application/json"
```

Example Response

```
{
  "status": "zoran-api: OK",
  "uptime": 5412.465875997,
  "uptimeFormatted": "1:30:12"
}
```

GET /version

GET /version

Get the version number of this service. [All]

Endpoint

```
/version
```

Headers

```
Content-Type    application/json
```

Body

Example Request

```
curl --request GET "https://autoid-
api.forgerock.com/version" \
--header "Content-Type: application/json"
```

Example Response

```
{
  "version": "1.0",
}
```

Authentication

The following are Autonomous Identity authentication endpoints (New APIs introduced in this release are marked with ★):

POST /api/authentication/login

POST /api/authentication/login

Log in to the system. The endpoint accepts the username and password in the body of the request. The token provided has an expiry date that can be obtained by decoding the returned JWT and using the `exp` data inside the token. [All]

Endpoint

```
/api/authentication/login
```

Headers

```
Content-Type      application/json
```

Body

```
{  
    "username": "admin@test.com",  
    "password": "test"  
}
```

Example Request

```
curl --location --request POST 'https://autoid-  
api.forgerock.com/api/authentication/login' \  
--header 'Content-Type: application/json' \  
--data-raw '{  
    "username": "admin@test.com",  
    "password": "test"  
}'
```


Example Response

```
{
  "user": {
    "dn": "cn=test.user@test.com,dc=example,dc=org",
    "controls": [],
    "gidNumber": "7777",
    "uid": "test.user",
    "displayName": "Test User",
    "_groups": [
      "Admin"
    ]
  },
  "token": "123456"
}
```

GET /api/authentication/verify

★ *GET /api/authentication/verify*

Verify the authenticity of a bearer token.

Endpoint

```
/api/authentication/verify
```

Authorization

Token	<token>
--------------	----------------------

Headers

Content-Type	application/json
---------------------	-------------------------

Body

```
..
```

Example Request

```
curl --location --request GET 'https://autoid-api.forgerock.com/api/authentication/verify' \
--header 'Content-Type: application/json'
```

Example Response

```
{
  "user": {
    "controls": [],
    "displayName": "Bob Rodgers",
    "email": "bob.rodgers@forgerock.com",
    "dn":
    "cn=bob.rodgers@forgerock.com,ou=People,dc=zoran,dc=com",
    "gidNumber": "999",
    "uid": "bob.rodgers",
    "_groups": [
      "Zoran Admin"
    ],
    "iat": 1628893019,
    "exp": 1628936219,
    "aud": "http://my.service",
    "sub": "6711197"
  }
}
```

POST /api/authentication/renewToken

POST /api/authentication/renewToken

Renew a token for the system. The endpoint accepts the JWT in the header

Authorization: Bearer JWT. The expiry time of the token is reset and return in the new token. [All]

Endpoint

```
/api/authentication/renewToken
```

Authorization

Token **<token>**

Headers

Content-Type **application/json**

Body

''

Example Request

```
curl --location --request POST 'https://autoid-  
api.forgerock.com/api/authentication/renewToken' \  
--header 'Content-Type: application/json' \  
--data-raw ''
```

Example Response

```
{  
  "user": {  
    "dn": "cn=test.user@test.com,dc=example,dc=org",  
    "controls": [],  
    "gidNumber": "7777",  
    "uid": "test.user",  
    "displayName": "Test User",  
    "_groups": [  
      "Admin"  
    ]  
  },  
  "token": "123456"  
}
```

GET /api/authentication/actions

GET /api/authentication/actions

Retrieve the permitted actions of the currently authenticated user. [All]

Endpoint

```
/api/authentication/action
```

Headers

```
Content-Type      application/json
```

Example Request

```
curl --location --request GET 'https://autoid-  
api.forgerock.com/api/authentication/actions' \  
--header 'Content-Type: application/json'
```

Example Response

```
{  
  "userActions": [  
    "*" ] ,  
  "roleTitle": "Unknown",  
  "homepage": "company"  
}
```

SSO

The following are Autonomous Identity SSO endpoints:

GET /api/sso/start

GET /api/sso/start

Endpoint to initiate SSO. [All]

Endpoint

```
/api/sso/start
```

Authorization

```
Token            <token>
```

Headers

```
Content-Type     /
```

Example Request

```
curl --request GET "https://autoid-  
api.forgerock.com/api/sso/start" \  
--header "Content-Type: /"
```

GET /api/sso/finish

GET /api/sso/finish

Endpoint to finish SSO. [All]

Endpoint

```
/api/sso/finish
```

Authorization

```
Token            <token>
```

Headers

Content-Type /

Example Request

```
curl --request GET "https://autoid-  
api.forgerock.com/api/sso/finish" \  
--header "Content-Type: /"
```

GET /api/slo/logout

GET /api/slo/logout

Endpoint to log out of SSO.

Endpoint

/api/slo/logout

Authorization

Token <token>

Headers

Content-Type **application/json**

Example Request

```
curl --request GET "https://autoid-  
api.forgerock.com/api/slo/logout" \  
--header "Content-Type: application/json"
```

Config

The following are Autonomous Identity config endpoint (New APIs introduced in this release are marked with ★):

GET /api/config

GET /api/config

Get the configuration. This endpoint is mainly used by the Autonomous Identity UI microservice to get values stored in Consul. [All]

Endpoint

```
/api/config
```

Headers

```
Content-Type      application/json
```

Example Request

```
curl --request GET "https://autoid-  
api.forgerock.com/api/config" \  
--header "Content-Type: application/json"
```

Example Response

```
{  
  "thresholds": {  
    "top": 1.01,  
    "high": 0.75,  
    "medium": 0.35,  
    "low": 0,  
    "autoAccess": 0.5  
  },  
  "volumeThresholds": {  
    "high": 90,  
  }  
}
```

```
    "low": 20
  },
  "mostAssignedStats": {
    "count": 100
  },
  "highVolumeStats": {
    "high": {
      "minScore": 0.9,
      "minUsersCount": 100
    },
    "low": {
      "maxScore": 0.2,
      "minUsersCount": 100
    }
  },
  "authorizers": {
    "ldap": true,
    "oidc": false
  }
}
```

GET /api/admin/reloadUIConfig

GET /api/admin/reloadUIConfig

Reload justification and filterable attributes configuration from JAS. [User, Supervisor, Ent Owner, App Owner, Admin]

Endpoint

```
/api/admin/reloadUIConfig
```

Headers

```
Content-Type /
```

Example Request

```
curl --request GET "https://autoid-  
api.forgerock.com/api/admin/reloadUIConfig" \
```



```
-H "accept: /"
```

POST /api/admin/updateUser

★ *GET /api/admin/updateUser*

Update credentials for a user.

Endpoint

```
/api/admin/updateUser
```

Authorization

```
<Bearer Token JWT-value>
```

Body

```
{  
    email: "john.doe@forgerock.com",  
    password: "password",  
    groups: ["Zoran Supervisor", "Zoran Role Engineer"]  
}
```

Example Request

```
curl --location --request POST 'https://autoid-  
api.forgerock.com/api/admin/updateUser' \  
--header 'Content-Type: application/json' \  
--header 'Authorization: Bearer <token>' \  
--data-raw '{  
    "email": "john.doe@forgerock.com",  
    "password": "password",  
    "groups": ["Zoran Supervisor", "Zoran Role  
Engineer"]  
}'
```

Example Response

```
{ message: 'success' }
```

POST /api/admin/updateSelf

★ *POST /api/admin/updateSelf*

Update credentials for a user.

Endpoint

```
/api/admin/updateSelf
```

Authorization

```
<Bearer Token JWT-value>
```

Body

```
{  
    email: "john.doe@forgerock.com",  
    password: "password",  
    groups: ["Zoran Supervisor", "Zoran Role Engineer"]  
}
```

Example Request

```
curl --location --request POST 'https://autoid-  
api.forgerock.com/api/admin/updateSelf' \  
--header 'Content-Type: application/json' \  
--header 'Authorization: Bearer <token>' \  
--data-raw '{  
    "email": "john.doe@forgerock.com",  
    "password": "password",  
    "groups": ["Zoran Supervisor", "Zoran Role
```

```
Engineer"]  
}'
```

Example Response

```
{ message: 'success' }
```

POST /api/admin/disableUser

★ *POST /api/admin/disableUser*

Disable user account.

Endpoint

```
/api/admin/disableuser
```

Authorization

```
<Bearer Token JWT-value>
```

Body

```
{  
    email: "john.doe@forgerock.com"  
}
```

Example Request

```
curl --location --request POST 'https://autoid-  
api.forgerock.com/api/admin/disableUser' \  
--header 'Content-type: application/json' \  
--header 'Authorization: Bearer <token>' \  
--data-raw '{  
    "email": "john.doe@forgerock.com"  
}'
```

Example Response

```
{ message: 'success' }
```

POST /api/admin/enableUser

★ *POST /api/admin/enableUser*

Enable a user account.

Endpoint

```
/api/admin/enableUser
```

Authorization

```
<Bearer Token JWT-value>
```

Body

```
{  
    email: "john.doe@forgerock.com"  
}
```

Example Request

```
curl --location --request POST "https://autoid-  
api.forgerock.com/api/admin/enableUser" \  
--header "Content-Type: application/json" \  
--header "Authorization: Bearer <token>" \  
--data-raw '{  
    "email": "john.doe@forgerock.com"  
}'
```

Example Response

```
{ message: 'success' }
```

POST /api/admin/createUser

★ *POST /api/admin/createUser*

Create credentials for a user

Endpoint

```
/api/admin/createUser
```

Authorization

```
<Bearer Token JWT-value>
```

Body

```
{
  dn:
  "cn=john.doe@forgerock.com,ou=People,dc=zoran,dc=com",gidNumber: "321",
  email: "john.doe@forgerock.com",
  password: "password",
  controls: [],
  displayName: "John Doe",
  uid: "john.doe",
  groups: ["Zoran Admin"]
}
```

Example Request

```
curl --request POST "https://autoid-
api.forgerock.com/api/admin/createUser" \
--header "Content-Type: application/json" \
```

```
--header "Authorization: Bearer <token>" \  
--data-raw '{  
    dn:  
    "cn=john.doe@forgerock.com,ou=People,dc=zoran,dc=com",gidNu  
mber: "321",  
    email: "john.doe@forgerock.com",  
    password: "password",  
    controls: [],  
    displayName: "John Doe",  
    uid: "john.doe",  
    groups: ["Zoran Admin"]  
}'
```

Example Response

```
{ message: 'success' }
```

POST /api/admin/createApiToken

★ *POST /api/admin/createApiToken*

Create API credentials (token) for a user.

Endpoint

```
/api/admin/createApiToken
```

Authorization

```
<Bearer Token JWT-value>
```

Body

```
{  
    name: "John Doe",  
    description: "description",  
    expiration: "2021-08-12T12:00:00.000Z"  
}
```

Example Request

```
curl --request POST "https://autoid-  
api.forgerock.com/api/admin/createApiToken" \  
--header "Content-Type: application/json" \  
--header "Authorization: Bearer <token>" \  
--data-raw '{  
    name: "John Doe",  
    description: "description",  
    expiration: "2021-08-12T12:00:00.000Z"  
'
```

Example Response

```
{ token: uuid }
```

POST /api/admin/revokeApiToken

★ *POST /api/admin/revokeApiToken*

Revoke API credentials for a user.

Endpoint

```
/api/admin/revokeApiToken
```

Authorization

```
<Bearer Token JWT-value>
```

Body

```
{  
    token: "11b57769-d436-4357-bc1c-0e0b9c6a49b6"  
}
```

Example Request

```
curl --location --request POST "https://autoid-  
api.forgerock.com/api/admin/revokeApiToken" \  
--header "Content-Type: application/json" \  
--header "Authorization: Bearer <token>" \  
--data-raw '{  
    token: "11b57769-d436-4357-bc1c-0e0b9c6a49b6"  
'
```

Example Response

```
{ message: 'User token disabled' }
```

GET /api/admin/verifyApiToken/{token}

★ GET /api/admin/verifyApiToken/{token}

Verify that an API token is valid

Endpoint

```
/api/admin/verifyApiToke
```

Authorization

```
<Bearer Token JWT-value>
```

Example Request

```
curl --request GET "https://autoid-  
api.forgerock.com/api/admin/verifyApiToken/da0b5228-1e11-  
4278-ad1c-f0938fccdf82" \  
--header "Content-Type: application/json" \  
--header "Authorization: Bearer <token>"
```


Example Response

```
{
  "name": "John Doe",
  "description": "description",
  "expiration": "2021-08-17T12:00:00.000Z",
  "is_valid": true,
  "creator": "bob.rodgers@forgerock.com",
  "modifier": "bob.rodgers@forgerock.com"
}
```

GET /api/admin/getTokens

★ GET /api/admin/getTokens

Get a list of tokens.

Endpoint

```
/api/admin/getTokens
```

Authorization

```
<Bearer Token JWT-value>
```

Body

```
{
  "maxResults": 6,
  "offset": 5
}
```

Example Request

```
curl --request GET "https://autoid-
api.forgerock.com/api/admin/getTokens" \
--header "Content-Type: application/json" \
```

```
--header "Authorization: Bearer <token>" \  
--data-raw '{  
    maxResults: 6,  
    offset: 5  
'
```

Example Response

```
[{  
  "token": "da0b5228-1e11-4278-ad1c-f0938fccdf82",  
  "name": "John Doe",  
  "description": "description",  
  "expiration": "2021-08-17T12:00:00.000Z",  
  "is_valid": true,  
  "creator": "bob.rodgers@forgerock.com",  
  "modifier": "bob.rodgers@forgerock.com"  
}]
```

GET /api/admin/getUsers

★ GET /api/admin/getUsers

Get a list of users.

Endpoint

```
/api/admin/getUsers
```

Authorization

```
<Bearer Token JWT-value>
```

Body

```
{  
  maxResults: 6,  
  offset: 5,  
}
```

```
        sortBy: uid | displayName | gidNumber
    }
```

Example Request

```
curl --location --request GET "https://autoid-  
api.forgerock.com/api/admin/getUsers" \  
--header "Content-Type: application/json" \  
--header "Authorization: Bearer <token>" \  
--data-raw '{  
    maxResults: 6,  
    offset: 5,  
    sortBy: uid  
'
```

Example Response

```
[{  
  "controls": [],  
  "displayName": "David Elliott",  
  "email": "david.elliott@forgerock.com",  
  "dn":  
  "cn=david.elliott@forgerock.com,ou=People,dc=zoran,dc=com",  
  "gidNumber": "809",  
  "uid": "david.elliott",  
  "_groups": [  
    "Zoran Entitlement Owner"  
  ],  
  "enabled": true  
}]
```

Report

Autonomous Identity captures information in its log files that are useful when troubleshooting problems. You can access the reports using REST calls to the Report API endpoint.

POST /api/report

POST /api/report

Get reporting data. [All]

Endpoint

```
/api/report
```

Authorization

```
<Bearer Token JWT-value>
```

Headers

```
Content-Type      application/json
```

Params

```
fields
```

Body

```
{
  "fields": [
    "id",
    "type",
    "batch_id",
    "original",
    "update"
  ],
  "reportType": "EventBasedCertification"
}
```

Example Request

```
curl --request POST "https://autoid-
api.forgerock.com/api/report" \
--header "Content-Type: application/json" \
--header 'Authorization: Bearer <token>' \
--data-raw '{
    "fields": [
        "id",
        "type",
        "batch_id",
        "original",
        "update"
    ],
    "reportType": "EventBasedCertification"
}'
```

Company View

The following are Autonomous Identity company view endpoints:

GET /api/companyview

GET /api/companyview

Get the data for company overview dashboard data. [Executive, Admin]

Endpoint

```
/api/companyview
```

Authorization

```
<Bearer Token JWT-value>
```

Example Request

```
curl --request GET "https://autoid-
api.forgerock.com/api/companyview" \
--header "Content-Type: application/json"
```

Example Response

```
{
  "companyView": {
    "employeeTypes": [
      {
        "type": "Employee",
        "high": 723,
        "low": 27,
        "medium": 1796,
        "null_conf": 0,
        "total": 2546
      },
      {
        "type": "Non-Employee",
        "high": 867,
        "low": 14,
        "medium": 1768,
        "null_conf": 0,
        "total": 2649
      }
    ],
    "employees_wo_manager": 0,
    "employees_w_manager": 5200,
    "entitlements_without_roleowners": 0,
    "entitlements_with_roleowners": 2456,
    "total_employees": 5200,
    "coverage": {
      "total": 2456,
      "covered": 2456,
      "not_covered": 0
    },
    "entitlementsDistribution": {
      "no_users": 0,
      "one_user": 0,
      "zero_to_five_users": 1,
      "five_to_ten_users": 1064,
      "ten_to_hundred_users": 1549,
      "hundred_to_onek_user": 35,
      "onek_to_tenk_users": 0,
      "tenk_users": 0,
      "hundredk_users": 0
    }
  }
}
```

```
}  
}
```

GET /api/companyview/allEntitlementsAvgGroups

GET /api/companyview/allEntitlementsAvgGroups

Get the average confidence score list for the company view chart. [Executive, Admin]

Endpoint

```
/api/companyview/allEntitlementAvgGroups
```

Authorization

```
<Bearer Token JWT-value>
```

Example Request

```
curl --request GET "https://autoid-  
api.forgerock.com/api/companyview/allEntitlementAvgGroups"  
\   
--header "Content-Type: application/json"
```

Example Response

```
{  
  "entitlementList": [  
    {  
      "start": 0,  
      "end": 0.05,  
      "entitlementCount": 2  
    },  
    {  
      "start": 0.06,  
      "end": 0.1,  
      "entitlementCount": 14  
    }  
  ]  
}
```

```
]
}
```

GET /api/companyview/mostCriticalEntitlements

GET /api/companyview/mostCriticalEntitlements

Get the most critical entitlements list. [Executive, Admin]

Endpoint

```
/api/companyview/mostCriticalEntitlements
```

Authorization

```
<Bearer Token JWT-value>
```

Example Request

```
curl --request GET "https://autoid-
api.forgerock.com/api/companyview/mostCriticalEntitlements"
\
--header "Content-Type: application/json"
```

Example Response

```
[
  {
    "org": "organization",
    "entt_id": "ent1",
    "avg_conf_score": 0.04,
    "entt_name": "Ent 1",
    "high": 0,
    "low": 1,
    "medium": 0,
    "seq": 0,
    "total_employees": 6
  },
```



```
{
  "org": "organization",
  "entt_id": "ent2",
  "avg_conf_score": 0.04571,
  "entt_name": "Ent 2",
  "high": 0,
  "low": 1,
  "medium": 0,
  "seq": 1,
  "total_employees": 7
}
]
```

GET /api/companyview/assignmentStats

GET /api/companyview/assignmentStats

Get the total assignments, low/high confidence, high volume and low/high confidence, most assigned [Executive, Admin]

Endpoint

```
/api/companyview/assignmentsStats
```

Authorization

```
<Bearer Token JWT-value>
```

Params

```
assignmentLimit 1
highVolumeHighMinScore 0.9
highVolumenHighMinUsersCount 100
highVolumenLowMaxScore 0.2
highVolumeLowMinUsersCount 100
```

Example Request

```
curl --request GET "https://autoid-  
api.forgerock.com/api/companyview/assignmentsStats?  
assignmentsLimit=5" \  
--header "Content-Type: application/json"
```

Example Response

```
{  
  "total": 47670,  
  "high": 13145,  
  "low": 4992,  
  "unscored": 4986,  
  "mostAssigned": [  
    {  
      "count": 344,  
      "entitlement": "ent1"  
    }  
  ],  
  "mostAssignedCount": 35,  
  "highVolume": {  
    "high": 23,  
    "low": 17  
  }  
}
```

GET

/api/companyview/assignmentHistConfSummary/{year}/{month}

GET /api/companyview/assignmentHistConfSummary/{year}/{month}

Get the number of high, medium, and low confidence assignments for the past 12-month period ending in a given year and month. [Executive, admin]

Endpoint

```
/api/companyview/assignmentsHistConfSummary/2020/01
```

Authorization

```
<Bearer Token JWT-value>
```


Example Request

```
curl --request GET "https://autoid-  
api.forgerock.com/api/companyview/assignmentsHistConfSummar  
y/2020/1" \  
--header "Content-Type: application/json"
```

Example Response

```
[  
  {  
    "year": 0,  
    "month": 0,  
    "highConf": 0,  
    "medConf": 0,  
    "lowConf": 0,  
    "total": 0  
  }  
]
```

User Details

The following are Autonomous Identity user details endpoints (New APIs introduced in this release are marked with 

POST /api/userDetails

POST /api/userDetails

Get employee details for Identities views. [User, Supervisor, Ent Owner, App Owner, Admin]

Endpoint

```
/api/userDetails
```

Authorization

```
<Bearer Token JWT-value>
```

Headers

```
Content-Type      application/json
```

Body

```
{
  "employeeId": "john.doe",
  "sortDir": "asc, desc",
  "lastEntitlementId": "Web_NAS_Share_Case Management_7HQ",
  "lastRecommendedEnttId": "string"
}
```

Example Request

```
curl --request POST "https://autoid-
api.forgerock.com/api/userDetails" \
--header "Content-Type: application/json" \
--header "Authorization: Bearer <token>" \
--data-raw '{
  "employeeId": "john.doe",
  "sortDir": "asc, desc",
  "lastEntitlementId": "Web_NAS_Share_Case
Management_7HQ",
  "lastRecommendedEnttId": "string"
}'
```

Example Response

```
{
  "recommendedEntt": {
    "predictions": [
      {
```

```

"usr_key": "john.doe",
"ent": "ent1",
"conf": "0.88",
"freq": "10.0",
"frequion": "9",
"rule": [
  {
    "title": "Chief",
    "value": "Yes"
  },
  {
    "title": "Employee Type",
    "value": "Employee"
  }
],
"entt": {
  "entitlement": "Ent 1",
  "app_id": "app1",
  "role": "role.owner",
  "app_name": "App 1",
  "entitlement_name": "Ent 1",
  "high_risk": "High",
  "roleOwnerDisplayName": "Role Owner",
  "requestorCanAccess": false
}
},
{
  "usr_key": "john.doe",
  "ent": "ent2",
  "conf": "1.00",
  "freq": "4.0",
  "frequion": "4",
  "rule": [
    {
      "title": "Job Code Name",
      "value": "Business Representative"
    },
    {
      "title": "Line of Business",
      "value": "Portfolio Management"
    },
    {
      "title": "Department",
      "value": " South"
    }
  ],

```

```

        {
            "title": "Employee Type",
            "value": "Employee"
        }
    ],
    "entt": {
        "entitlement": "ent2",
        "app_id": "app1",
        "role": "role.owner",
        "app_name": "App 1",
        "entitlement_name": "Ent 2",
        "high_risk": "High",
        "roleOwnerDisplayName": "Role Owner",
        "requestorCanAccess": true
    }
}
],
"entitlementsCount": 14,
"entitlementsRemainingCount": 9,
"lastEntitlementId": "ent2"
},
"userEntt": [
    {
        "user": "john.doe",
        "entitlement": "ent3",
        "app_id": "app1",
        "app_name": "App 1",
        "entitlement_name": "Ent 3",
        "freq": "10.0",
        "frequion": "9",
        "high_risk": "High",
        "justification": [
            {
                "title": "Chief",
                "value": "Yes"
            },
            {
                "title": "Employee Type",
                "value": "Employee"
            }
        ]
    },
    {
        "score": 0.88,
        "user_name": "John Doe",
        "lastAccessed": "2020-01-01 00:00:00",
        "requestorCanAccess": false,
    }

```

```

    "rawJustification": [
      "CHIEF_YES_NO_Yes",
      "USR_EMP_TYPE_Employee"
    ]
  },
  {
    "user": "john.doe",
    "entitlement": "ent4",
    "app_id": "app1",
    "app_name": "App 1",
    "entitlement_name": "Ent 4",
    "freq": "4.0",
    "frequion": "4",
    "high_risk": "High",
    "justification": [
      {
        "title": "Job Code Name",
        "value": "Business Representative"
      },
      {
        "title": "Line of Business",
        "value": "Portfolio Management"
      },
      {
        "title": "Department",
        "value": " South"
      },
      {
        "title": "Employee Type",
        "value": "Employee"
      }
    ],
    "score": 1,
    "user_name": "John Doe",
    "lastAccessed": "2020-01-01 00:00:00",
    "requestorCanAccess": false,
    "rawJustification": [
      "JOB_CODE_NAME_Business Representative",
      "LINE_OF_BUSINESS_Portfolio Management",
      "USR_DEPARTMENT_NAME_Customer Operations_ South",
      "USR_EMP_TYPE_Employee"
    ]
  }
],
"user": {

```

```
"displayName": "John Doe",
"hrData": [
  {
    "title": "Job Code Name",
    "id": "JOBCODENAME",
    "value": "Business Representative"
  },
  {
    "title": "Line of Business",
    "id": "LINEOFBUSINESS",
    "value": "Portfolio Management"
  },
  {
    "title": "Department",
    "id": "DEPARTMENT",
    "value": " South"
  },
  {
    "title": "Employee Type",
    "id": "EMPTYTYPE",
    "value": "Employee"
  }
]
},
"entitlementsCount": 2,
"entitlementsRemainingCount": 9,
"lastEntitlementId": "ent4"
}
```

POST /api/userDetails/hrData

POST /api/userDetails/hrData

Get a user's HR data. [User, Supervisor, Ent Owner, App Owner, Admin]

Endpoint

```
/api/userDetails/hrData
```

Authorization

```
<Bearer Token JWT-value>
```


Headers

Content-Type **application/json**

Body

```
{
  "employeeId": "john.doe"
}
```

Example Request

```
curl --request POST "https://autoid-
api.forgerock.com/api/userDetails/hrData" \
--header "Content-Type: application/json" \
--header "Authorization: Bearer <token>" \
--data-raw '{
  "employeeId": "john.doe"
}'
```

Example Response

```
{
  "user": [
    {
      "id": "USER_NAME",
      "title": "User Name",
      "value": "john.doe"
    },
    {
      "id": "CHIEF",
      "title": "Chief",
      "value": "Yes"
    },
    {
      "id": "CITY",
      "title": "City",

```

```
    "value": "Toledo"
  },
  {
    "id": "USER_DISPLAY_NAME",
    "title": "User Display Name",
    "value": "John Doe"
  },
  {
    "id": "EMPLOYEE_TYPE",
    "title": "Employee Type",
    "value": "Employee"
  },
  {
    "id": "MANAGER",
    "title": "Manager",
    "value": "the.manager"
  }
],
"displayName": "John Doe"
}
```

POST /api/userDetails/search

POST /api/userDetails/search

Search for users by name and with applied filters. [Executive, Supervisor, App Owner, Admin]

Endpoint

```
/api/userDetails/search
```

Authorization

```
<Bearer Token JWT-value>
```

Headers

```
Content-Type      application/json
```

Body

```
{
  "username": "john.doe"
}
```

Example Request

```
curl --request POST "https://autoid-
api.forgerock.com/api/userDetails/search" \
--header "Content-Type: application/json"
--data-raw '{
  "username": "john.doe"
}'
```

Example Response

```
{
  "values": [
    {
      "user": "john.doe",
      "isapplicationowner": "false",
      "isentitlementowner": "false",
      "issupervisor": "false",
      "userdisplayname": "John Doe"
    }
  ]
}
```

POST /api/userDetails/ent/autoprovision

POST /api/userDetails/ent/autoprovision

Get user's entitlements for autoprovisioning. [Admin]

Endpoint

```
/api/userDetails/ent/autoprovision
```

Authorization

```
<Bearer Token JWT-value>
```

Headers

```
Content-Type      application/json
```

Body

```
{  
  "user": "john.doe"  
}
```

Example Request

```
curl --request POST "https://autoid-  
api.forgerock.com/api/userDetails/ent/autoprovision" \  
--header "Content-Type: application/json" \  
--header 'Authorization: Bearer <token>' \  
--data-raw '{  
    "user": "john.doe"  
}'
```

Example Response

```
{  
  "usr_id": "string",  
  "usr_name": "string",  
  "ents": [  
    {  
      "ent_id": "string",  
      "ent_name": "string",  
      "ent_attribute": "string",  
      "ent_risk_level": "string",  
      "score": 0,  
      "freq": 0,  
    }  
  ]  
}
```

```
"frequion": 0,
"justification": [
  {
    "title": "string",
    "value": "string"
  }
],
"app_id": "string",
"app_name": "string"
}
],
"cursor": "string"
}
```

No links

POST /api/userDetails/autoAction

POST /api/userDetails/autoAction

Get the list of entitlements for a user or list of users for an entitlement to provision, revoke, or certify. [Admin]

Endpoint

```
/api/userDetails/autoAction
```

Authorization

```
<Bearer Token JWT-value>
```

Headers

```
Content-Type      application/json
```

Body

```
{
  "action": "addAccess",
  "usrId": "john.doe",
  "entId": "entitlement_1",
  "thresholds": {
    "gte": 0,
    "gt": 0,
    "lte": 0,
    "lt": 0
  },
  "cursor": "string"
}
```

Example Request

```
curl --request POST "https://autoid-
api.forgerock.com/api/userDetails/autoAction" \
--header "Content-Type: application/json" \
--header "Authorization: Bearer <token>" \
--data-raw '{
  "action": "addAccess",
  "usrId": "john.doe",
  "entId": "entitlement_1",
  "thresholds": {
    "gte": 0,
    "gt": 0,
    "lte": 0,
    "lt": 0
  },
  "cursor": "string"
}'
```

POST /api/userDetails/drivingFactor

POST /api/userDetails/drivingFactor

Get the driving factor data. [User, Supervisor, Ent Owner, App Owner, Admin]

Endpoint

```
/api/userDetails/drivingFactor
```

Authorization

```
<Bearer Token JWT-value>
```

Headers

```
Content-Type      application/json
```

Params

```
{  
  "entitlement": "entitlement1"  
}
```

Example Request

```
curl --request POST "https://autoid-  
api.forgerock.com/api/userDetails/drivingFactor" \  
--header "Content-Type: application/json" \  
--header "Authorization: Bearer <token>" \  
--data-raw '{  
  "entitlement": "entitlement1"  
}'
```

Example Request

```
[  
  {  
    "ent": "ent1",  
    "attribute": {  
      "title": "Chief",  
      "value": "No"  
    },  
    "count": 3,  
    "rawAttribute": "CHIEF_YES_NO_No"  
  },  
]
```

```
{
  "ent": "ent1",
  "attribute": {
    "title": "City",
    "value": "Tacoma"
  },
  "count": 5,
  "rawAttribute": "CITY_Tacoma"
}
]
```

GET /api/userDetails/distinct

★ GET /api/userDetails/distinct

Get a list of all users.

Endpoint

```
/api/userDetails/distinct
```

Authorization

```
<Bearer Token JWT-value>
```

Headers

```
Content-Type    application/json
```

Body

```
{
  "username": "john.doe"
}
```

Example Request


```
curl --request GET "https://autoid-  
api.forgerock.com/api/userDetails/distinct" \  
-H "Content-Type: application/json" \  
-H "Authorization: Bearer <token>"
```

Example Response

```
[  
  {  
    "usr_id": "john.doe",  
    "usr_name": "John Doe",  
    "usr_manager_id": "jane.smith",  
    "line_of_business_subgroup": "Transmission Operations  
BB",  
    "usr_emp_type": "Employee",  
    "cost_center": "OP_TT4",  
    "is_active": "Y",  
    "usr_display_name": "John Doe",  
    "usr_department_name": "Information Systems 1",  
    "jobcode_name": "Equipment Mechanic",  
    "chief_yes_no": "No",  
    "manager_name": "Jane Smith",  
    "city": "Fairbanks",  
    "line_of_business": "Security",  
    "department": "Information Systems 1"  
  }  
]
```

Single View with Application

IMPORTANT

This endpoint has been deprecated in this release and will be removed in a future release.

NOTE

This endpoint has been updated in this release to accept only string values for all fields.

The following is an Autonomous Identity single view with applications endpoint:

POST employees

POST employees

Endpoint

```
/api/singleViewWithApp/employees
```

Authorization

```
<Bearer Token JWT-value>
```

Body

```
{  
  "employeeId": "elizabeth.saiz",  
  "includeLastAccessed": "true",  
  "pageSize": "5"  
}
```

Example Request

```
curl --location --request POST  
'/api/singleViewWithApp/employees' \  
--header 'Content-Type: application/json' \  
--data-raw '{  
  "employeeId": "elizabeth.saiz",  
  "includeLastAccessed": "true",  
  "pageSize": "5"  
}'
```

Example Response

```
{  
  "high": 0,  
  "medium": 1,
```

```

"low": 1,
"avg_score": 0.25,
"app_name": "",
"app_id": "",
"entitlement_name": "",
"high_risk": null,
"userEntt": [
  {
    "user": "elizabeth.saiz",
    "entitlement": "192aed21-a7d1-40c3-87a3-
9dfa4a3d21f5",
    "app_id": "null",
    "app_name": "test3",
    "entitlement_name": "null",
    "freq": null,
    "frequnion": null,
    "high_risk": "null",
    "justification": [],
    "score": 0.1,
    "user_name": "alpha"
  },
  {
    "user": "elizabeth.saiz",
    "entitlement": "36bad416-d42c-47c2-991e-
623aa3833028",
    "app_id": "null",
    "app_name": "test6",
    "entitlement_name": "null",
    "freq": null,
    "frequnion": null,
    "high_risk": "null",
    "justification": [],
    "score": 0.4,
    "user_name": "vce"
  }
],
"user": "elizabeth.saiz",
"entitlementsCount": 14,
"entitlementsRemainingCount": 10,
"lastEntitlementId": "36bad416-d42c-47c2-991e-
623aa3833028"
}

```

Access Control

The following are Autonomous Identity access control endpoints:

GET /api/userDetails/decisions

GET /api/userDetails/decisions

Get the current entitlement decisions for the user. [Supervisor, Ent Owner, App Owner, Admin]

Endpoint

```
/api/userDetails/decisions
```

Authorization

```
<Bearer Token JWT-value>
```

Param

```
user=john.doe
```

Example Request

```
curl --request GET "https://autoid-  
api.forgerock.com/api/userDetails/decisions?user=john.doe"  
\  
--header "Content-Type: application/json"
```

Example Response

```
{  
  "decisions": [  
    {  
      "entitlement": "string",
```

```
    "is_certified": true,
    "is_revoked": true,
    "is_processed": true,
    "is_archived": true,
    "author": "string",
    "author_name": "string",
    "author_type": "string",
    "reason": "string",
    "last_updated": "2021-04-14T18:45:46.916Z"
  }
]
}
```

POST /api/userDetails/decisions

POST /api/userDetails/decisions

Update entitlement decisions for users. [Supervisor, Ent Owner, App Owner, Admin]

Endpoint

```
/api/userDetails/decisions
```

Authorization

```
<Bearer Token JWT-value>
```

Body

```
{
  "assignments": [
    {
      "user": "string",
      "entitlements": [
        "string"
      ]
    }
  ],
  "is_certified": true,
  "is_revoked": true,
```

```
"is_requested": true,
"is_processed": true,
"reason": "string"
}
```

Example Request

```
curl --request POST "https://autoid-
api.forgerock.com/api/userDetails/decisions" \
-H "accept: /" -H "Content-Type: application/json" \
--data-raw '{
  "assignments": [
    {
      "user": "string",
      "entitlements": [
        "string"
      ]
    }
  ],
  "is_certified": true,
  "is_revoked": true,
  "is_requested": true,
  "is_processed": true,
  "reason": "string"
}'
```

POST /api/rules/decision

POST /api/rules/decision

Update rule decisions. [Supervisor, Ent Owner, App Owner, Admin]

Endpoint

```
/api/rules/decision
```

Authorization

```
<Bearer Token JWT-value>
```

Body

```
{
  "rules": [
    {
      "entitlement": "string",
      "justification": [
        "string"
      ]
    }
  ],
  "is_autocertify": true,
  "is_autorequest": true,
  "autocertify_reason": "string",
  "autorequest_reason": "string"
}
```

Example Request

```
curl --request POST "https://autoid-
api.forgerock.com/api/rules/decision" \
-H "accept: /" -H "Content-Type: application/json" \
--data-raw '{
  "rules": [
    {
      "entitlement": "string",
      "justification": [
        "string"
      ]
    }
  ],
  "is_autocertify": true,
  "is_autorequest": true,
  "autocertify_reason": "string",
  "autorequest_reason": "string"
}'
```

Applications

The following are Autonomous Identity applications view endpoints:

GET /api/applications

GET /api/applications

Get a list of applications and stats for an Application Owner. [App Owner, Admin]

Endpoint

```
/api/applications
```

Authorization

```
<Bearer Token JWT-value>
```

Params

```
ownerId (optional)  derick.hui  
cursor (optional)  string (Indicator on where to start a  
2+ page list)
```

Example Request

```
curl --request GET "https://autoid-  
api.forgerock.com/api/applications?ownerId=derick.hui" \  
--header "Content-Type: application/json"
```

Example Response

```
{  
  "cursor": "string",  
  "total_applications": 0,  
  "total_entitlements": 0,  
  "total_assignments": 0,  
  "applications": [  
    {  
      "app_id": "string",  
      "app_name": "string",
```



```
    "high": 0,  
    "medium": 0,  
    "low": 0,  
    "avg": 0  
  }  
]  
}
```

POST /api/applications/{appId}

POST /api/applications/{appId}

Get a list of entitlements and stats for a selected application. [App Owner, Admin]

Endpoint

```
/api/applications/{appId}
```

Authorization

```
<Bearer Token JWT-value>
```

Params

```
appId (required)    app_1  
cursor (optional)  string (Indicator on where to start a  
2+ page list)
```

Body

```
{  
  "filters": [  
    {  
      "type": "user",  
      "attribute": "city",  
      "value": ["Seattle", "Denver"]  
    },  
    {
```

```
    "type": "user",
    "attribute": "line_of_business",
    "value": ["Distribution Operations"]
  }
]
```

Example Request

```
curl --request POST "https://autoid-
api.forgerock.com/api/applications/app_1" \
--header "Content-Type: application/json" \
--header "Authorization: Bearer <token>" \
--data-raw '{
  "filters": [
    {
      "type": "user",
      "attribute": "city",
      "value": ["Seattle", "Denver"]
    },
    {
      "type": "user",
      "attribute": "line_of_business",
      "value": ["Distribution Operations"]
    }
  ]
}'
```

Example Response

```
{
  "cursor": "string",
  "total_entitlements": 0,
  "total_users": 0,
  "total_rules": 0,
  "entitlements": [
    {
      "ent": "string",
      "ent_name": "string",
      "high": 0,
      "medium": 0,
```

```
        "low": 0,  
        "avg": 0  
    }  
  ]  
}
```

POST /api/applications/{appId}/assignments

POST /api/applications/{appId}/assignments

Get filterable user-entitlement assignment and decision data for a specific application.

[App Owner, Admin]

Endpoint

```
api/applications/{appId}/assignments
```

Authorization

```
<Bearer Token JWT-value>
```

Params

appId (required)	app_1
user	string
cursor (optional)	string (Indicator on where to start a 2+ page list)
sortBy	string
sortDir	string

Body

```
{  
  "filters": [  
    {  
      "type": "user",  
      "attribute": "city",  
      "value": [  

```

```

        "Seattle",
        "Denver"
    ]
},
{
    "type": "user",
    "attribute": "line_of_business",
    "value": [
        "Distribution Operations"
    ]
}
]
}

```

Example Request

```

curl --request POST "https://autoid-
api.forgerock.com/api/applications/app_1/assignments" \
--header "Content-Type: application/json" \
--header "Authorization: Bearer <token>" \
--data-raw '{
    "filters": [
        {
            "type": "user",
            "attribute": "city",
            "value": [
                "Seattle",
                "Denver"
            ]
        },
        {
            "type": "user",
            "attribute": "line_of_business",
            "value": [
                "Distribution Operations"
            ]
        }
    ]
}'

```

Example Response

```
{
  "cursor": "string",
  "total_users": 0,
  "total_entitlements": 0,
  "total_assignments": 0,
  "assignments": [
    {
      "ent": "string",
      "ent_name": "string",
      "confidence": 0,
      "user_id": "string",
      "user_name": "string",
      "isCertified": true,
      "dateCertified": "2021-04-14T19:10:39.178Z",
      "isRevoked": true,
      "dateRevoked": "2021-04-14T19:10:39.178Z",
      "isRequested": true,
      "dateRequested": "2021-04-14T19:10:39.178Z",
      "isProcessed": true,
      "approvalAuthor": {
        "id": "string",
        "name": "string"
      }
    }
  ]
}
```

GET /api/applications/search

GET /api/applications/search

Search all applications. [App Owner, Admin]

Endpoint

```
/api/applications/search
```

Authorization

```
<Bearer Token JWT-value>
```

Params

```
by          appOwner or enttOwner
user       user ID
q          Search query string
```


Example Request

```
curl --request GET "https://autoid-
api.forgerock.com/api/applications/search" \
--header "Content-Type: application/json"
```

Example Response

```
{
  "values": [
    {
      "app_id": "string",
      "app_name": "string"
    }
  ]
}
```

Entitlements

The following are Autonomous Identity filtering by entitlements endpoints (New APIs introduced in this release are marked with 

GET /api/entitlements/search

GET /api/entitlements/search

Search for entitlements by name and with applied filters. [Ent Owner, App Owner, Admin]

Endpoint

```
/api/entitlements/search?q=QueryString
```

Authorization

```
<Bearer Token JWT-value>
```

Params

```
by      appOwner or enttOwner
user    user ID
q       Search query string (required)
appId  Application ID to use as a filter
```

Example Request

```
curl --location --request GET 'https://autoid-
api.forgerock.com/api/entitlements/search?
by=enttOwner&user=john.doe&q=WEB&appId=Salesforce' \
--header 'Content-Type: application/json'
```

Example Response

```
{
  "values": [
    {
      "id": "string",
      "app_id": "string",
      "app_name": "string",
      "entt_name": "string"
    }
  ]
}
```

POST /api/entitlements/stats

POST /api/entitlements/stats

Get data for entitlements view. [Supervisor, Ent Owner, Admin]

Endpoint

```
/api/entitlements/stats?  
by=supervisor/entitlementOwner/admin
```

Authorization

```
<Bearer Token JWT-value>
```

Params

```
by      supervisor, roleOwner
```

Body

```
{  
  "ownerId": "timothy.slack",  
  "isHighRiskOnly": true,  
  "isMediumLowRiskOnly": false,  
  "isUserEntitlementsIncluded": true,  
  "filters": [{  
    "type": "app_id",  
    "group": "criticality",  
    "value": "Essential"  
  }]  
}
```

Example Request

```
curl --location --request POST 'https://autoid-  
api.forgerock.com/api/entitlements/stats?by=supervisor' \  
--header 'content-type: application/json' \  
--data-raw '{  
  "ownerId": "timothy.slack",  
  "isHighRiskOnly": true,  
  "isMediumLowRiskOnly": false,  
  "isUserEntitlementsIncluded": true,
```



```
    "filters": [{
      "type": "app_id",
      "group": "criticality",
      "value": "Essential"
    }]
  }'
```

Example Response

```
{
  "total_entitlements": 0,
  "total_subordinates": 0,
  "unscoredEntitlements": 0,
  "scoredEntitlements": 0,
  "usersWithNoEntitlement": 0,
  "usersWithNoScoredEntitlement": 0,
  "distinct_apps": [
    {
      "app_id": "string",
      "app_name": "string",
      "low": 0,
      "medium": 0,
      "high": 0
    }
  ],
  "users": [
    {
      "user": "string",
      "user_name": "string",
      "high": 0,
      "medium": 0,
      "low": 0,
      "avg": "string"
    }
  ],
  "entitlements": [
    {
      "entitlement": "string",
      "entitlement_name": "string",
      "app_id": "string",
      "high_risk": "string",
      "high": 0,
      "medium": 0,

```

```
    "low": 0,  
    "avg": "string"  
  }  
]  
}
```

GET /api/entitlements/id/{id}

GET /api/entitlements/id/{id}

Get entitlement details. [User, Supervisor, Ent Owner, App Owner, Admin]

Endpoint

```
/api/entitlements/id/{id+}
```

Authorization

```
<Bearer Token JWT-value>
```

Params

```
by      entitlement ID
```

Example Request

```
curl --request GET "https://autoid-  
api.forgerock.com/api/entitlements/id/1234" \  
--header "Content-Type: application/json"
```

Example Response

```
{  
  "entitlement_name": "string",  
  "scores": {  
    "avg": 0,
```

```

    "high": 0,
    "medium": 0,
    "low": 0
  },
  "drivingFactors": [
    {
      "attribute": {
        "id": "string",
        "title": "string",
        "value": "string"
      },
      "count": 0
    }
  ],
  "userScores": [
    {
      "score": 0,
      "count": 0
    }
  ],
  "users": [
    {
      "user": "string",
      "user_name": "string",
      "app_id": "string",
      "freq": 0,
      "frequion": 0,
      "justification": [
        {
          "title": "string",
          "value": "string"
        }
      ],
      "rawJustification": [
        "string"
      ],
      "score": 0
    }
  ]
}

```

GET /api/entitlements/unscored

GET /api/entitlements/unscored

Get unscored entitlements and users for a given Supervisor or Entitlement Owner ID.
[Supervisor, Ent Owner, Admin]

Endpoint

```
/api/entitlements/unscored
```

Authorization

```
<Bearer Token JWT-value>
```

Params

```
by      supervisor, entitlement owner  
user    supervisor or entitlement owner user ID
```

Example Request

```
curl --request GET "https://autoid-  
api.forgerock.com/api/entitlements/unscored?  
by=supervisor&user=1234" \  
--header "Content-Type: application/json"
```

GET /api/entitlements/distinct

★ *GET /api/entitlements/distinct*

Get a list of all entitlements.

Endpoint

```
/api/entitlements/distinct
```

Authorization

```
<Bearer Token JWT-value>
```

Example Request

```
curl --location --request GET 'https://autoid-api.forgerock.com/api/entitlements/distinct' \
--header 'Content-Type: application/json' \
--header 'Authorization: Bearer <token>'
```

Example Response

```
[
  {
    "ent_id": "AccessType : XMLP_ADMIN",
    "ent_name": "AccessType : XMLP_ADMIN",
    "ent_owner_id": "julie.yee",
    "app_id": "Salesforce",
    "ent_criticality": "Non-Essential",
    "ent_risk_level": "Medium"
  }
]
```

GET /api/entitlements/recommendations

★ *GET /api/entitlements/recommendations*

Get a list of entitlement recommendations for a given set of user attributes.

Endpoint

```
/api/entitlements/recommendations
```

Authorization

```
<Bearer Token JWT-value>
```

Body

```

{
  "confidenceThreshold": 0.1,
  "maxResults": 1000,
  "offset": 200,
  "userAttributes": [
    "0E_USR_MANAGER_ID_gregory.suhr",
    "13_USR_DEPARTMENT_NAME_Facilities Area
A",
    "0C_CHIEF_YES_NO_No",
    "0C_MANAGER_NAME_Gregory Suhr",
    "0C_USR_EMP_TYPE_Employee",
    "13_USR_DEPARTMENT_NAME_Wireless
Operations"
  ]
}

```

Example Request

```

curl --request GET "https://autoid-
api.forgerock.com/api/entitlements/recommendations" \
--header "Content-Type: application/json" \
--header "Authorization: Bearer <token>" \
--data-raw '{
  "confidenceThreshold": 0.1,
  "maxResults": 1000,
  "offset": 200,
  "userAttributes": [
    "0E_USR_MANAGER_ID_gregory.suhr",
    "13_USR_DEPARTMENT_NAME_Facilities Area A",
    "0C_CHIEF_YES_NO_No",
    "0C_MANAGER_NAME_Gregory Suhr",
    "0C_USR_EMP_TYPE_Employee",
    "13_USR_DEPARTMENT_NAME_Wireless Operations"
  ]
}'

```

Example Response

```

[
  {
    "attributes": [

```

```

        "0C_CHIEF_YES_NO_No",
        "0E_USR_MANAGER_ID_gregory.suhr"
    ],
    "entitlement": "06_ENT_ID_WEB_user_WEB RCQ Flare NonIT
Distribution_II",
    "confidence": 0.14,
    "frequency": 22
},
{
    "attributes": [
        "0C_MANAGER_NAME_Gregory Suhr",
        "13_USR_DEPARTMENT_NAME_Facilities Area A"
    ],
    "entitlement": "06_ENT_ID_Web_tildeNon-security plus",
    "confidence": 0.14,
    "frequency": 28
},
]

```

Rules

The following are Autonomous Identity rules endpoints (Updated APIs in this release are marked with ★):

GET /api/rules/info

GET /api/rules/info

List information and statistics regarding available rules. [Ent Owner, App Owner, Admin]

Endpoint

/api/rules/info

Authorization

<Bearer Token JWT-value>

Params

```
by      enttowner, appOwner
user    patrick.murphy
```

Example Request

```
curl --request GET "https://autoid-
api.forgerock.com/api/rules/info?
by=appOwner&user=patrick.murphy" \
--header "Content-Type: application/json"
```

Example Response

```
{
  "countRules": 0,
  "countAssignments": 0,
  "countApplications": 0,
  "applications": [
    {
      "app_id": "string",
      "app_name": "string",
      "countAssignments": 0,
      "low": 0,
      "medium": 0,
      "high": 0
    }
  ]
}
```

GET /api/rules

icon:star[fw, role="purple"] GET /api/rules

List the available rules for a user. [Ent Owner, App Owner, Admin]

Endpoint

```
/api/rules/
```


Authorization

```
<Bearer Token JWT-value>
```

Params

```
by      enttOwner, appOwner
user    david.elliott
cursor  (indicator on where to start a 2+ page list)
filter  (filters to apply when searching)
pageSize (number of records per page to retrieve)
```

Example Request

```
curl --request GET
  "lowConfidence=true&filter[medConfidence]=true&filter[highC
onfidence]=true&filter[autoCertify]=true&filter[autoRequest
]=true&filter[entitlement]=string" \
  --header "Content-Type: application/json"
```

Example Response

```
{
  "cursor": "string",
  "totalRulesCount": 0,
  "rules": [
    {
      "entitlement": {
        "owner": "string",
        "ent": "string",
        "ent_name": "string"
      },
      "app": {
        "app_id": "string",
        "app_name": "string",
        "ent": "string"
      },
    },
  ],
}
```

```

    "justification": [
      {
        "id": "string",
        "title": "string",
        "value": "string"
      }
    ],
    "assignees": [
      {
        "id": "string",
        "name": "string",
        "properties": [
          {
            "id": "string",
            "title": "string",
            "value": "string"
          }
        ],
        "last_usage": "2021-04-14T19:40:27.740Z"
      }
    ],
    "confidence": 0,
    "countUnassigned": 0,
    "countAssigned": 0,
    "isAutoCertify": true,
    "autoCertifyDate": "2021-04-14T19:40:27.740Z",
    "isAutoRequest": true,
    "autoRequestDate": "2021-04-14T19:40:27.740Z",
    "approvalAuthor": {
      "id": "string",
      "name": "string"
    },
    "requestApprovalReason": "string",
    "certifyApprovalReason": "string"
  }
]
}

```

Filters

The following are Autonomous Identity Filters endpoints:

GET /api/filters/owner

GET /api/filters/owner

Get filterable attributes and values. [Supervisor, Ent Owner, Admin]

Endpoint

```
/api/filters/owner?by=supervisor&user=albert.pardini
```

Authorization

```
<Bearer Token JWT-value>
```

Query Parameters

```
by      supervisor, enttOwner  
user    albert.pardini
```

Example Request

```
curl --request GET "https://autoid-  
api.forgerock.com/api/filters/owner?  
by=supervisor&user=albert.pardini" \  
--header "Content-Type: application/json"
```

Example Response

```
{  
  "items": [  
    {  
      "title": "string",  
      "field": "string",  
      "filters": {  
        "field": "string",  
        "title": "string",  
        "options": [  

```

```
    {
      "text": "string",
      "value": "string",
      "count": 0
    }
  ]
}
]
```

GET /api/filters/app

GET /api/filters/app

Get filterable attributes and values. [App Owner, Admin]

Endpoint

```
/api/filters/app
```

Authorization

```
<Bearer Token JWT-value>
```

Query Parameters

```
id: application ID
```

Example Request

```
curl --request GET "https://autoid-  
api.forgerock.com/api/filters/app?id=app_1" \  
--header "Content-Type: application/json"
```

Example Response

```
{
  "items": [
    {
      "title": "string",
      "field": "string",
      "filters": {
        "field": "string",
        "title": "string",
        "options": [
          {
            "text": "string",
            "value": "string",
            "count": 0
          }
        ]
      }
    }
  ]
}
```

Roles

The following are Autonomous Identity filtering by roles endpoints (New APIs introduced in this release are marked with 

POST /api/roles

GET /api/roles

Create draft roles and make updates to roles.

Endpoint

```
/api/roles
```

Authorization

```
<Bearer Token JWT-value>
```

Body

```
{
  "action": "create" | "save" | "publish" | "unpublish",
  "updateAllMetadata": false,
  "role": {
    "role_id": "3fa85f64-5717-4562-b3fc-2c963f66afa6",
    "status": "draft",
    "custom_role": false,
    "member_count": 0,
    "assignment_count": 0,
    "entitlements": [
      "string"
    ],
    "entitlements_metadata": [
      {
        "ent_id": "string",
        "ent_name": "string",
        "application": {
          "app_id": "string",
          "app_name": "string",
          "application_owner": {
            "usr_id": "string",
            "usr_name": "string",
            "usr_manager_id": "string"
          }
        },
        "entitlement_owner": {
          "usr_id": "string",
          "usr_name": "string",
          "usr_manager_id": "string"
        }
      }
    ],
    "justifications": [
      "string"
    ],
    "role_metadata": {
      "role_name": "string",
      "description": "string",
      "role_owner": {
        "usr_display_name": "string",
        "usr_id": "string"
      }
    }
  }
}
```

```
}  
}
```

Example Request

```
curl --location --request POST 'https://autoid-  
api.forgerock.com/api/roles' \  
--header 'Content-Type: application/json' \  
--header 'Authorization: Bearer <token>' \  
--data-raw '{  
  "action": "create" | "save" | "publish" | "unpublish",  
  "updateAllMetadata": false,  
  "role": {  
    "role_id": "3fa85f64-5717-4562-b3fc-2c963f66afa6",  
    "status": "draft",  
    "custom_role": false,  
    "member_count": 0,  
    "assignment_count": 0,  
    "entitlements": [  
      "string"  
    ],  
    "entitlements_metadata": [  
      {  
        "ent_id": "string",  
        "ent_name": "string",  
        "application": {  
          "app_id": "string",  
          "app_name": "string",  
          "application_owner": {  
            "usr_id": "string",  
            "usr_name": "string",  
            "usr_manager_id": "string"  
          }  
        },  
        "entitlement_owner": {  
          "usr_id": "string",  
          "usr_name": "string",  
          "usr_manager_id": "string"  
        }  
      }  
    ],  
    "justifications": [  
      "string"  
    ]  
  }  
}
```

```
    ],
    "role_metadata": {
      "role_name": "string",
      "description": "string",
      "role_owner": {
        "usr_display_name": "string",
        "usr_id": "string"
      }
    }
  }
}'
```

Example Response

204 (No Content)

POST /api/roles/delete

★ *POST /api/roles/delete*

Delete roles.

Endpoint

/api/roles/delete

Authorization

<Bearer Token JWT-value>

Body

```
{
  "role_id": "3fa85f64-5717-4562-b3fc-2c963f66afa6",
  "status": "draft" | "active"
}
```


Example Request

```
curl --location --request POST 'https://autoid-api.forgerock.com/api/admin/updateSelf' \
--header 'Content-Type: application/json' \
--header 'Authorization: Bearer <token>' \
--data-raw '{
  "role_id": "3fa85f64-5717-4562-b3fc-2c963f66afa6",
  "status": "draft" | "active"
}'
```

Example Response

```
204 (No content)
```

POST /api/roles/export

★ *POST /api/roles/export*

Export role data to json.

Endpoint

```
/api/roles/export
```

Authorization

```
<Bearer Token JWT-value>
```

Body

```
{
  "timestampThresholds": {
    "gte": "2021-06-02T12:00:00.000Z",
    "lt": "2021-08-02T12:00:00.000Z"
  },
  "usrId": "roy.heavey",
```

```
"entId": "Cognos Reporting",
"status": "draft" | "active" | "candidate"
}
```

Example Request

```
curl --location --request POST 'https://autoid-
api.forgerock.com/api/roles/export' \
--header 'Content-type: application/json' \
--header 'Authorization: Bearer <token>' \
--data-raw '{
    "timestampThresholds": {
        "gte": "2021-06-02T12:00:00.000Z",
        "lt": "2021-08-02T12:00:00.000Z"
    },
    "usrId": "roy.heavey",
    "status": "draft"
}'
```

Example Response

```
{
    roles: [
        {
            "role_id": "3fa85f64-5717-4562-b3fc-2c963f66afa6",
            "status": "draft",
            "custom_role": false,
            "member_count": 0,
            "assignment_count": 0,
            "entitlements": [
                "string"
            ],
            "entitlements_metadata": [
                {
                    "ent_id": "string",
                    "ent_name": "string",
                    "application": {
                        "app_id": "string",
                        "app_name": "string",
                        "application_owner": {
                            "usr_id": "string",
```

```

        "usr_name": "string",
        "usr_manager_id": "string"
    }
},
"entitlement_owner": {
    "usr_id": "string",
    "usr_name": "string",
    "usr_manager_id": "string"
}
},
],
"justifications": [
    "string"
],
"role_metadata": {
    "role_name": "string",
    "description": "string",
    "role_owner": {
        "usr_display_name": "string",
        "usr_id": "string"
    }
}
}
]
}

```

Jobs

You can define, run, and get the status of each job using REST API endpoints. When using REST calls, the available job types are the following:

- ingest
- train
- mine
- predict-as-is
- recommend
- load
- create-assignment-index
- create-assignment-index-report
- anomaly

- insight
- audit

The following are Autonomous Identity jobs endpoints (New APIs introduced in this release are marked with ★):

POST /api/job_definition

★ *POST /api/job_definition*

Set up a job definition.

Endpoint

```
/api/job_definition
```

Authorization

```
Bearer <Token JWT-value> or  
<API Key-value>
```

Body

```
{  
  "branch": "actual",  
  "contextId": "40c20f01-a9d8-4284-b290-c8b6ccdb8b77",  
  "entityData": [  
    {  
      "job_name": "ShowCaseCSVAnomaly",  
      "job_type": "anomaly",  
      "job_parameters": {  
        "driverMemory": "2g",  
        "driverCores": 3,  
        "executorMemory": "3G",  
        "executorCores": 6  
      }  
    }  
  ],  
  "indexingRequired": true,  
  "tags": {},  
}
```

```
"indexInSync": true
}
```

NOTE

contextId is a unique identifier string. It can be anything you define.

Example Request

```
curl 'https://autoid-
ui.forgerock.com/jas/entity/persist/autoid/api/job_definiti
on' \
  -H 'authority: autoid-ui.forgerock.com' \
  -H 'sec-ch-ua: "Chromium";v="92", " Not A;Brand";v="99",
"Google Chrome";v="92"' \
  -H 'accept: application/json, text/plain, /' \
  -H 'x-tenant-id: 8700f5cb-eaca-461e-8c2e-245a25f2399d' \
  -H 'authorization: 1b7789f0-6c2f-4afa-a84b-a65a28f5c1a1'
\
  -H 'sec-ch-ua-mobile: ?0' \
  -H 'user-agent: Mozilla/5.0 (Macintosh; Intel Mac OS X
10_15_7) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/92.0.4515.131 Safari/537.36' \
  -H 'content-type: application/json' \
  -H 'origin: https://autoid-ui.forgerock.com' \
  -H 'sec-fetch-site: same-origin' \
  -H 'sec-fetch-mode: cors' \
  -H 'sec-fetch-dest: empty' \
  -H 'referrer: https://autoid-ui.forgerock.com/jobs' \
  -H 'accept-language: en-US,en;q=0.9' \
  --data-raw '{
    "branch": "actual",
    "contextId": "40c20f01-a9d8-4284-b290-
c8b6ccdb8b77",
    "entityData": [
      {
        "job_name": "ShowCaseCSVANomaly",
        "job_type": "anomaly",
        "job_parameters": {
          "driverMemory": "2g",
          "driverCores": 3,
          "executorMemory": "3G",
          "executorCores": 6
```

```

        }
    }
],
    "indexingRequired": true,
    "tags": {},
    "indexInSync": true
}' \
--compressed \
--insecure
}
}'

```

The Job definition for data ingestion requires a `datasourceId`, which you can query. See [API Key Examples](#).

Example Request (ingest)

```

curl 'https://autoid-
ui.forgerock.com/jas/entity/persist/autoid/api/job_definiti
on' \
  -H 'authority: autoid-ui.forgerock.com' \
  -H 'sec-ch-ua: "Chromium";v="92", " Not A;Brand";v="99",
"Google Chrome";v="92"' \
  -H 'accept: application/json, text/plain, /' \
  -H 'x-tenant-id: 8700f5cb-eaca-461e-8c2e-245a25f2399d' \
  -H 'authorization: 1b7789f0-6c2f-4afa-a84b-a65a28f5c1a1'
\
  -H 'sec-ch-ua-mobile: ?0' \
  -H 'user-agent: Mozilla/5.0 (Macintosh; Intel Mac OS X
10_15_7) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/92.0.4515.131 Safari/537.36' \
  -H 'content-type: application/json' \
  -H 'origin: https://autoid-ui.forgerock.com' \
  -H 'sec-fetch-site: same-origin' \
  -H 'sec-fetch-mode: cors' \
  -H 'sec-fetch-dest: empty' \
  -H 'referrer: https://autoid-ui.forgerock.com/jobs' \
  -H 'accept-language: en-US,en;q=0.9' \
  --data-raw '{
    "branch": "actual",
    "contextId": "ba9cefff-1e06-4cc3-b7d6-
d15e2126351c",
    "entityData": [

```

```

        {
          "job_name": "ShowCaseCSVIngest",
          "job_type": "ingest",
          "job_parameters": {
            "driverMemory": "2g",
            "driverCores": 3,
            "executorMemory": "3G",
            "executorCores": 6,
            "datasourceId": "2d7a6a76-469c-4035-
b312-fb1daf104e98"
          }
        },
        "indexingRequired": true,
        "tags": {},
        "indexInSync": true
      }' \
--compressed \
--insecure

```

POST /jas/job/run

★ POST /jas/job/run

Run the job definition.

Endpoint

```
/jas/job/run
```

Authorization

```
Bearer <Token JWT-value> or
<API Key-value>
```

Body

```
{
  "jobType": "ingest",

```

```
"jobDefinitionName": "ShowCaseCSVIngest"
}
```

Example Request

```
curl 'https://autoid-ui.forgerock.com/jas/job/run' \
  -H 'authority: autoid-ui.forgerock.com' \
  -H 'sec-ch-ua: "Chromium";v="92", " Not A;Brand";v="99",
  "Google Chrome";v="92"' \
  -H 'accept: application/json, text/plain, /' \
  -H 'x-tenant-id: 8700f5cb-eaca-461e-8c2e-245a25f2399d' \
  -H 'authorization: 1b7789f0-6c2f-4afa-a84b-a65a28f5c1a1' \
  \
  -H 'sec-ch-ua-mobile: ?0' \
  -H 'user-agent: Mozilla/5.0 (Macintosh; Intel Mac OS X
  10_15_7) AppleWebKit/537.36 (KHTML, like Gecko)
  Chrome/92.0.4515.131 Safari/537.36' \
  -H 'content-type: application/json' \
  -H 'origin: https://autoid-ui.forgerock.com' \
  -H 'sec-fetch-site: same-origin' \
  -H 'sec-fetch-mode: cors' \
  -H 'sec-fetch-dest: empty' \
  -H 'referrer: https://autoid-ui.forgerock.com/jobs' \
  -H 'accept-language: en-US,en;q=0.9' \
  --data-raw '{
    "jobType": "ingest",
    "jobDefinitionName": "ShowCaseCSVIngest"
  }' \
  --compressed \
  --insecure
```

GET /jas/job/status

★ GET /jas/job/status

Obtain the job's status.

Endpoint

```
/jas/job/status
```


Authorization

Bearer <Token JWT-value> or
<API Key-value>

Body

```
{
  "jobType": "anomaly",
  "jobDefinitionName": "ShowCaseCSVAnomaly"
}
```

Example Request

```
curl 'https://autoid-ui.forgerock.com/jas/job/status' \
  -H 'authority: autoid-ui.forgerock.com' \
  -H 'sec-ch-ua: "Chromium";v="92", " Not A;Brand";v="99",
"Google Chrome";v="92"' \
  -H 'accept: application/json, text/plain, /' \
  -H 'x-tenant-id: 8700f5cb-eaca-461e-8c2e-245a25f2399d' \
  -H 'authorization: 1b7789f0-6c2f-4afa-a84b-a65a28f5c1a1' \
  \
  -H 'sec-ch-ua-mobile: ?0' \
  -H 'user-agent: Mozilla/5.0 (Macintosh; Intel Mac OS X
10_15_7) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/92.0.4515.131 Safari/537.36' \
  -H 'content-type: application/json' \
  -H 'origin: https://autoid-ui.forgerock.com' \
  -H 'sec-fetch-site: same-origin' \
  -H 'sec-fetch-mode: cors' \
  -H 'sec-fetch-dest: empty' \
  -H 'referrer: https://autoid-ui.forgerock.com/jobs' \
  -H 'accept-language: en-US,en;q=0.9' \
  --data-raw '{
    "jobType": "anomaly",
    "jobDefinitionName": "ShowCaseCSVAnomaly"
  }' \
  --compressed \
  --insecure
```

GET /jas/job/search

★ GET /jas/job/search

Search for a job definition.

Endpoint

```
/jas/job/search
```

Authorization

```
Bearer <Token JWT-value> or  
<API Key-value>
```

Body

```
{  
  "query": {  
    "sort": [  
      {  
        "job_name.keyword": {  
          "order": "asc"  
        }  
      },  
      {  
        "metadata.primaryKey.keyword": {  
          "order": "desc"  
        }  
      }  
    ],  
    "size": 10,  
    "track_total_hits": true,  
    "query": {  
      "match_all": {}  
    }  
  }  
}
```

Example Request

```
curl 'https://autoid-
ui.forgerock.com/jas/entity/search/autoid/api/job_definitio
n' \
  -H 'authority: autoid-ui.forgerock.com' \
  -H 'sec-ch-ua: "Chromium";v="92", " Not A;Brand";v="99",
"Google Chrome";v="92"' \
  -H 'accept: application/json, text/plain, /' \
  -H 'x-tenant-id: 8700f5cb-eaca-461e-8c2e-245a25f2399d' \
  -H 'authorization: 1b7789f0-6c2f-4afa-a84b-a65a28f5c1a1'
\
  -H 'sec-ch-ua-mobile: ?0' \
  -H 'user-agent: Mozilla/5.0 (Macintosh; Intel Mac OS X
10_15_7) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/92.0.4515.131 Safari/537.36' \
  -H 'content-type: application/json' \
  -H 'origin: https://autoid-ui.forgerock.com' \
  -H 'sec-fetch-site: same-origin' \
  -H 'sec-fetch-mode: cors' \
  -H 'sec-fetch-dest: empty' \
  -H 'referrer: https://autoid-ui.forgerock.com/jobs' \
  -H 'accept-language: en-US,en;q=0.9' \
  --data-raw '{
    "query": {
      "sort": [
        {
          "job_name.keyword": {
            "order": "asc"
          }
        },
        {
          "metadata.primaryKey.keyword": {
            "order": "desc"
          }
        }
      ],
      "size": 10,
      "track_total_hits": true,
      "query": {
        "match_all": {}
      }
    }
  }'
```

```
--compressed \  
--insecure
```

Was this helpful?  

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