

TRUEFORT PLATFORM XDR

API Guide



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API GUIDE

OVERVIEW

The following document contains a listing of the API calls TrueFort offers for the purposes of operation outside of TrueFort's interface, testing, automation, and external integration. Here, you'll find reference information on this collection of APIs – from their destination URLs to the parameters and details needed to use them.

AGENTS

GET AGENT

Displays general information pertaining to a specified agent.

Definition

GET `https://<Appliance IP>/kotoba/rest/v1.0/agents/{agentid}`

Parameters

Name	Required	Type	Description	Example
agentid	Yes	UUID	ID of an agent to display information for	60b501a2-855b-3ac5-8051-7d6aedcb3d9d

Response Sample

```
{
  "agentid": "e674f188-3e03-3809-bac0-a7e1471180c5",
  "fqdn": "TestExternalAgentTh1",
  "ipAddress": "xxx.xx.xxx.x",
  "status": "REQUEST_GRANTED",
  "version": "2-300RC201",
  "groupid": "dd8bee80-ec68-11e9-b5d5-51343622e368",
  "createTime": "2019-11-11T16:54:17.314Z",
  "lastUpdate": "2019-11-11T16:54:17.314Z",
  "operatingSystem": "Linux",
  "osVersion": "7.2",
  "systemArchitecture": "",
  "opts":
  "{\"PROPOSED_ROLE\":\"UNDEFINED\",\"TYPE\":\"AGENT\",\"TAGS\":{\"role\":\"database\",\"ExternalTestThreadno\":\"Th1\"}}",
  "domain": "BUSHIDO-GENERAL"
}
```

Example

The following call would be used to display information pertaining to an agent with the agentid "60b501a2-855b-3ac5-8051-7d6aedcb3d9d".

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/agents/60b501a2-855b-3ac5-8051-7d6aedcb3d9d
```

GET ALL AGENTS

Displays a list of all the agents registered to the TrueFort appliance, along with their associated information.

Definition

```
GET https://<Appliance IP>/kotoba/rest/v1.0/agents/all
```

Parameters

None

Response Sample

```
[
  {
    "agentid": "f63a7bfc-4db4-389f-b111-0669f6e01955",
    "fqdn": "/k8s_POD_frontend-74b4665db5-jh29c_default_7567f49e-35f9-11e9-8750-000c2994cd5e_0",
    "ipAddress": "xxx.x.xxx.xx",
    "status": "REQUEST_REGISTRATION",
    "version": "2-448",
    "groupid": "399fdd70-393c-11e9-82c3-5d73f86a24ff",
    "createTime": "2019-02-25T20:40:38.000Z",
    "lastUpdate": "2019-03-08T17:37:29.000Z",
    "operatingSystem": "K8s.Gcr.Io/Pause:3.1",
    "osVersion": "",
    "systemArchitecture": "",
    "opts":
    "{ \"PROPOSED_ROLE\": \"UNDEFINED\", \"TYPE\": \"AGENT\" }",
    "domain": "kubernetes-node-01"
  }
  ...
]
```

Example

The following call would be used to display all of the agents registered to a TrueFort appliance at "xxx.x.xxx.xx":

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/agents/all
```

CREATE AGENT

Registers an agent to the TrueFort appliance.

Definition

POST https://<Appliance IP>/kotoba/rest/v1.0/agents/create

Request Body

```
{
  "agent": {
    "fqdn": "<fqdn>",
    "ipAddress": "<ipaddress>",
    "version": "<agentversion>",
    "operatingSystem": "<operatingsystem>",
    "osVersion": "<osversion>",

    "TAGS": {
      <tags>
    },
    "domain": "<domain>"
  },
  "properties": {
    <properties>
  },
  "restartAgent": <true/false>
}
```

Parameters

Name	Required	Type	Description	Example
fqdn	Yes	UUID	FQDN of the agent to register.	60b501a2-855b-3ac5-8051-7d6aedcb3d9d
ipaddress	Yes	String	IP address of the agent to register.	xxx.x.xxx.xx
version	Yes	String	Agent version.	2-300
operatingSystem	Yes	String	Workload OS.	Linux
osVersion	Yes	String	OS version.	7.2
TAGS	No	String	Server tags can be specified here.	"role": "database"
properties	No	String	Properties outside of the default can be specified here.	-

restartAgent	Yes	Boolean	Designate "true" to restart agent after creation.	true/false
--------------	-----	---------	---	------------

Response Sample

-

Example

The following call would be used to register an agent using the parameters outlined in the example columns above:

POST <https://xxx.x.xxx.xx/kotoba/rest/v1.0/agents/create>

Request Body

```
{
  "agent": {
    "fqdn": "60b501a2-855b-3ac5-8051-7d6aedcb3d9d",
    "ipAddress": "xxx.x.xxx.xx",
    "version": "2-300",
    "operatingSystem": "Linux",
    "osVersion": "7.2",

    "TAGS": {
      "role": "database",
    },
    "domain": "BUSHIDO-GENERAL"
  },
  "properties": {
  },
  "restartAgent": false
}
```

DELETE AGENT

Deletes a specified agent.

Definition

POST <https://<Appliance IP>/kotoba/rest/v1.0/agents/delete>

Request Body

["<agentid>"]

Parameters

Name	Required	Type	Description	Example
------	----------	------	-------------	---------

agentid	Yes	UUID	ID of an agent to display information for	f08b285c-5562-38ed-b942-e39d1df220cf
---------	-----	------	---	--------------------------------------

Response Sample

```
{
  "success": true
}
```

Example

The following call would be used to delete a registered agent with an Id of "f08b285c-5562-38ed-b942-e39d1df220cf":

Request Body

```
["f08b285c-5562-38ed-b942-e39d1df220cf"]
```

GET AGENT'S APPLICATIONS

Displays the applications a specified agent has been assigned to.

Definition

GET <https://<Appliance IP>/kotoba/rest/v1.0/agents/{agentid}/applications>

Parameters

Name	Required	Type	Description	Example
agentid	Yes	UUID	ID of an agent to display assigned applications for.	60b501a2-855b-3ac5-8051-7d6aedcb3d9d

Response Sample

```
[{
  "role": "AD SERVER",
  "name": "csharptest",
  "appId": "cfd554d3-7960-3fb6-b46d-1e8d546fe091"
}, {
  "role": "AD SERVER",
  "name": "Pol Test",
  "appId": "18bf9576-38e2-3e9c-9da7-b68869e16674"
}, {
  "role": "LDAP SERVER",
  "name": "dockertest",
  "appId": "73bdbd81-e207-3f64-864e-a50c3f93852e"
}, {
  "role": "WEB SERVER",
```

```

        "name": "w-test",
        "appId": "51fcd44a-c479-3f3b-9dd7-3e9090766926"
    }
]

```

Example

The following call would be used to show which applications an agent with an ID of "60b501a2-855b-3ac5-8051-7d6aedcb3d9d" is assigned to:

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/agents/60b501a2-855b-3ac5-8051-7d6aedcb3d9d/applications
```

APPLICATIONS

GET APPLICATION

Displays general information pertaining to a specified application.

Definition

```
GET https://<Appliance IP>/kotoba/rest/v1.0/applications/{appid}
```

Parameters

Name	Required	Type	Description	Example
appid	Yes	UUID	ID of an application to display information for.	18bf9576-38e2-3e9c-9da7-b68869e16674

Response Sample

```

{
  "appid": "6979abf9-83b2-3c1f-ad3b-8c85653ef728",
  "orgId": "f59beed9-ecf9-3a31-bb07-590f388849af",
  "orgName": "Branchsubbranch1Th1",
  "createTime": "2019-11-11T16:54:22.000Z",
  "description": "external api test app",
  "state": "PROD",
  "lastupdate": "2019-11-11T16:54:27.177Z",
  "teams": "{\"APPLICATION_ADMIN\": \"8c14f93b-52cf-3da1-93d5-85710c6eb62b\"}",
  "agents": "{}",
  "isAdminRole": false,
  "region": "Jersey City",
  "name": "TestExternalAppTh1",
  "updatedBy": "admin",
  "appType": "STATIC",
  "filter": "{}",

```

```
    "agentMap": {}
}
```

Example

The following call would be used to display general information pertaining to an application with an ID of "18bf9576-38e2-3e9c-9da7-b68869e16674":

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/applications/18bf9576-38e2-3e9c-9da7-b68869e16674
```

GET ALL APPLICATIONS

Displays a list of the applications registered to a TrueFort appliance.

Definition

```
GET https://<Appliance IP>/kotoba/rest/v1.0/applications/all
```

Parameters

None

Response Sample

```
{
    "success": true,
    "data": [{
        "appid": "7e1d45d6-d329-362b-89d0-41d0e8e4ff3d",
        "orgId": "205d64ff-9b58-3aad-bf48-29ec41dd4ef0",
        "orgName": "automation",
        "createTime": "2019-03-20T15:25:46.289Z",
        "description": "test",
        "state": "PROD",
        "lastupdate": "2019-03-20T15:25:46.308Z",
        "teams":
        "{ \"APPLICATION_ADMIN\": \"30084152-5ddc-3079-a765-dbbcd58f2391\",
          \"agents\": { \"e2b34002-351e-3fe1-b157-dcae985d6850\": \"AD SERVER\", \"25a81365-f129-3fdd-8334-56107e1dca3d\": \"AD SERVER\", \"27e32f41-2d7b-3549-aab6-81626ed59e9f\": \"AD SERVER\", \"b6423515-dcce-39e8-8aec-ffe9619f840c\": \"AD SERVER\" }",
        "isAdminRole": true,
        "region": "North America",
        "name": "ILoveTesting",
        "rulekpacks": "{}",
        "rulepacksMap": {
```

```

    },
    "updatedBy": "admin",
    "appType": "STATIC",
    "filter": "{}",
    "agentMap": {
      "e2b34002-351e-3fe1-
b157-dcae985d6850": "AD SERVER",
      "25a81365-f129-3fdd-
8334-56107e1dca3d": "AD SERVER",
      "27e32f41-2d7b-3549-
aab6-81626ed59e9f": "AD SERVER",
      "b6423515-dcce-39e8-
8aec-ffe9619f840c": "AD SERVER"
    }
  },
  {
    "appid": "241e2f18-1c49-3a63-aa45-
58efaa6891ac",
    "orgId": "205d64ff-9b58-3aad-bf48-
29ec41dd4ef0",
    ...
  }
}

```

Example

The following request would be used to display a list of applications registered to a TrueFort appliance at "xxx.x.xxx.xx":

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/applications/all
```

CREATE/UPDATE APPLICATION

Creates a new application or updates an existing application.

Definition

```
POST https://<Appliance IP>/kotoba/rest/v1.0/applications/create
```

Request Body

```

{
  "application": {
    "name": "<name>",
    "orgName": "<organizationname>",
    "orgId": "<organizationid>",
    "state": "<state>",
  }
}

```

```

    "appType": "STATIC",
    "region": "<region>",
    "team": "<team>",
    "description": "<description",
    "teams": "{ \"<teamrole>\": \"<teamid>\" }"
  }
}

```

Parameters

Name	Required	Type	Description	Example
name	Yes	String	Name for the newly created application.	externalappl
orgName	Yes	String	Name of the organization to assign to the application.	branchsubbranch1
orgId	Yes	UUID	ID of the organization to assign to the application.	f8cb0885-2743-3504-a7e4-c6cafa7007ae
state	Yes	String	State for the newly created application.	PROD/DEV/UAT
region	Yes	String	Region to assign the application to.	Jersey City
team	Yes	String	Name of the team to assign to the application.	ExternalTeam
description	Yes	String	Application description.	external api app
teams	Yes	String and UUID	Role to assign to the specified team ID.	APPLICATION_ADMIN/ APPLICATION_DEVELOPER/ APPLICATION_SUPPORT 43a25972-0aed-39fb-a5fc-769a45302282

Response Sample

```

{
  "success": true,
  "data": "f2826002-e86a-343c-819e-7b8af8ba8d15",
  "message": {

```

```

        "message": "Application \"Namefdse\" created successfully",
        "code": "S"
    }
}

```

Example

The following call would be used to create a new application with the following properties:

Name: externalapp1

Assigned Organization: Branchsubbranch1 (ID: f8cb0885-2743-3504-a7e4-c6cafa7007ae)

State: PROD

Region: Jersey City

Assigned Team: ExternalTeam (ID: 43a25972-0aed-39fb-a5fc-769a45302282) as an Admin team.

Description: external api app

POST <https://xxx.x.xxx.xx/kotoba/rest/v1.0/applications/create>

Request Body

```

{
  "application": {
    "name": "externalapp1",
    "orgName": "Branchsubbranch1",
    "orgId": "f8cb0885-2743-3504-a7e4-c6cafa7007ae",
    "state": "PROD",
    "appType": "STATIC",
    "region": "Jersey City",
    "team": "ExternalTeam",
    "description": "external api test app",
    "teams": "{\"APPLICATION_ADMIN\":\"43a25972-0aed-39fb-a5fc-769a45302282\"}"
  }
}

```

GET APPLICATION'S AGENTS

Displays a list of the agents assigned to a specified application.

Definition

GET <https://<Appliance IP>/kotoba/rest/v1.0/applications/{appid}/agents>

Parameters

Name	Required	Type	Description	Example
appid	Yes	UUID	ID of an application to display assigned agents for.	18bf9576-38e2-3e9c-9da7-b68869e16674

Response Sample

```
[{
  "role": "AD SERVER",
  "agentid": "2eb0d884-28bc-334c-80a2-22d57070d8ac",
  "fqdn": "longrun-redhat6-2",
  "ipAddress": "10.179.143.97",
  "status": "REQUEST_REGISTRATION",
  "version": "2-448",
  "applications": "{\\"18bf9576-38e2-3e9c-9da7-
b68869e16674\\":\\"AD SERVER\\"}",
  "groupid": "9e41d590-28bf-11e9-82c3-5d73f86a24ff",
  "createTime": "2019-02-04T19:56:56.000Z",
  "lastUpdate": "2019-03-19T17:20:30.477Z",
  "operatingSystem": "Linux",
  "opts":
  "{\\"AGENTHEALTH\\":\\"{\\\\"CPU\\\\":\\\\"lastCollectedTime\\\\":\\\\"155301
5730000\\\\"}\\\\"pluginName\\\\":\\\\"CPU\\\\"}\\\\"status\\\\":\\\\"RUNNING\\
\\\\"}\\\\"CPUINFO\\\\":\\\\"lastCollectedTime\\\\":\\\\"1553014800002\\\\"},
\\\\"pluginName\\\\":\\\\"CPUINFO\\\\"}\\\\"status\\\\":\\\\"RUNNING\\\\"}\\\\"
\\\\"FILESYSTEM\\\\":\\\\"lastCollectedTime\\\\":\\\\"1553015730001\\\\"}\\\\"p
luginName\\\\":\\\\"FILESYSTEM\\\\"}\\\\"status\\\\":\\\\"RUNNING\\\\"}\\\\"F
ILESYSTEMINFO\\\\":\\\\"lastCollectedTime\\\\":\\\\"1553015985000\\\\"}\\\\"
\\\\"pluginName\\\\":\\\\"FILESYSTEMINFO\\\\"}\\\\"status\\\\":\\\\"RUNNING\\\\"}
\\\\"IPTABLES\\\\":\\\\"lastCollectedTime\\\\":\\\\"1553014800005\\\\"}\\\\"
\\\\"pluginName\\\\":\\\\"IPTABLES\\\\"}\\\\"status\\\\":\\\\"RUNNING\\\\"}\\\\"M
EMORY\\\\":\\\\"lastCollectedTime\\\\":\\\\"1553015730001\\\\"}\\\\"pluginN
ame\\\\":\\\\"MEMORY\\\\"}\\\\"status\\\\":\\\\"RUNNING\\\\"}\\\\"NETWORK\\\\"
:\\\\"lastCollectedTime\\\\":\\\\"1553016005004\\\\"}\\\\"pluginName\\\\":\\
\\\\"NETWORK\\\\"}\\\\"status\\\\":\\\\"RUNNING\\\\"}\\\\"NIC\\\\":\\\\"lastCo
llectedTime\\\\":\\\\"1553015730001\\\\"}\\\\"pluginName\\\\":\\\\"NIC\\\\"}\\
\\\\"status\\\\":\\\\"RUNNING\\\\"}\\\\"NICINFO\\\\":\\\\"lastCollectedTime\\
\\\\":\\\\"1553015985000\\\\"}\\\\"pluginName\\\\":\\\\"NICINFO\\\\"}\\\\"statu
s\\\\":\\\\"RUNNING\\\\"}\\\\"PACKAGEINFO\\\\":\\\\"lastCollectedTime\\\\":
\\\\"1553014800000\\\\"}\\\\"pluginName\\\\":\\\\"PACKAGEINFO\\\\"}\\\\"statu
s\\\\":\\\\"RUNNING\\\\"}\\\\"PROCESSINFO\\\\":\\\\"lastCollectedTime\\\\":
\\\\"1553016015011\\\\"}\\\\"pluginName\\\\":\\\\"PROCESSINFO\\\\"}\\\\"statu
s\\\\":\\\\"RUNNING\\\\"}\\\\"SSHD\\\\":\\\\"lastCollectedTime\\\\":\\\\"155
3014800002\\\\"}\\\\"pluginName\\\\":\\\\"SSHD\\\\"}\\\\"status\\\\":\\\\"RUNN
ING\\\\"}\\\\"SYSCTL\\\\":\\\\"lastCollectedTime\\\\":\\\\"1553014800000\\
\\\\"}\\\\"pluginName\\\\":\\\\"SYSCTL\\\\"}\\\\"status\\\\":\\\\"RUNNING\\\\"}\\
\\\\"SYSINFO\\\\":\\\\"lastCollectedTime\\\\":\\\\"1553014800007\\\\"}\\\\"pl
uginName\\\\":\\\\"SYSINFO\\\\"}\\\\"status\\\\":\\\\"RUNNING\\\\"}\\\\"WHO\\
\\\\":\\\\"lastCollectedTime\\\\":\\\\"1550348890000\\\\"}\\\\"pluginName\\\\"
:\\\\"WHO\\\\"}\\\\"status\\\\":\\\\"RUNNING\\\\"}\\\\"}\\\\"HEALTH-
TIMESTAMP\\":\\"1553016030000\\",\\"PROPOSED_ROLE\\":\\"NFS
SERVER\\",\\"TYPE\\":\\"AGENT\\"}",
  "agentStatus": "REQUEST_REGISTRATION",
  "healthStatus": "GREEN",
  "domain": "BUSHIDO-GENERAL"
}
```



```
}, {
```

```
...
```

Example

The following call would be used to show the agents assigned to an application with an ID of “18bf9576-38e2-3e9c-9da7-b68869e16674”:

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/applications/18bf9576-38e2-3e9c-9da7-b68869e16674/agents
```

DELETE APPLICATION

Deletes a specified application.

Definition

```
DELETE https://<Appliance  
IP>/kotoba/rest/v1.0/applications/{appid}?comment=<comment>
```

Parameters

Name	Required	Type	Description	Example
appid	Yes	UUID	ID of an application to delete.	18bf9576-38e2-3e9c-9da7-b68869e16674
comment	No	String	Comment indicating the reason for deletion.	Deletion test

Response Sample

```
{  
  "success": true,  
  "message": {  
    "message": "Application deleted successfully  
:TestExternalAppTh1",  
    "code": "S"  
  }  
}
```

Example

The following call would be used to delete an application with an ID of “18bf9576-38e2-3e9c-9da7-b68869e16674” and indicate the reason as “Deletion test”.

```
DELETE https://xxx.x.xxx.xx/kotoba/rest/v1.0/applications/18bf9576-38e2-3e9c-9da7-b68869e16674?comment=Deletion test
```


DELETE APPLICATIONS

Deletes multiple specified applications.

Definition

POST `https://<Appliance IP>/kotoba/rest/v1.0/applications/delete`

Request Body

```
[ "<appid>", "<appid>" ]
```

Parameters

Name	Required	Type	Description	Example
appid	Yes	UUID	ID of an application to delete.	fc9fdf08-4e29-3f26-a270-390dc49061a2

Response Sample

```
{
  "success": true,
  "message": {
    "message": "Application deleted successfully :ss",
    "code": "S"
  }
}
```

Example

The following call would be used to delete two applications with the IDs `"fc9fdf08-4e29-3f26-a270-390dc49061a2"` and `"3691308f-2a4c-3f69-83f2-880d32e29c84"`:

POST `https://xxx.x.xxx.xx/kotoba/rest/v1.0/applications/delete`

Request Body

```
[ "fc9fdf08-4e29-3f26-a270-390dc49061a2", "3691308f-2a4c-3f69-83f2-880d32e29c84" ]
```

ASSIGN AGENT TO APPLICATION

Assigns a specified agent to a designated application.

Definition

POST `https://<Appliance IP>/kotoba/rest/v1.0/applications/{appid}/agents/assign`

Request Body

```
[ {
  "key": "<Agent ID>",
```

```

    "value": "<Server Role>"
  }
]

```

Parameters

Name	Required	Type	Description	Example
appid	Yes	UUID	ID of an application to assign an agent to.	18bf9576-38e2-3e9c-9da7-b68869e16674
key	Yes	UUID	ID of an agent to assign.	60b501a2-855b-3ac5-8051-7d6aedcb3d9d
value	Yes	String	Name of the Server Role to assign the specified agent to.	AD Server

Response Sample

```

{
  "success": true,
  "status": "OK",
  "description": "",
  "message": ""
}

```

Example

The following call would be used to assign an agent with an ID of “60b501a2-855b-3ac5-8051-7d6aedcb3d9d” to an application with an ID of “18bf9576-38e2-3e9c-9da7-b68869e16674” under the Server Role “AD Server”:

```
POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/applications/18bf9576-38e2-3e9c-9da7-b68869e16674/agents/assign
```

Request Body

```

[ {
  "key": "60b501a2-855b-3ac5-8051-7d6aedcb3d9d",
  "value": "AD Server"
} ]

```

UNASSIGN AGENT FROM APPLICATION

Unassigns a specified agent from a designated application.

Definition

```
POST https://<Appliance IP>/kotoba/rest/v1.0/applications/{appid}/agents/unassign
```

Request Body

```
[ "<Agent ID>" ]
```

Parameters

Name	Required	Type	Description	Example
appid	Yes	UUID	ID of an application to unassign an agent from.	18bf9576-38e2-3e9c-9da7-b68869e16674
Agent ID	Yes	UUID	ID of an agent to unassign.	60b501a2-855b-3ac5-8051-7d6aedcb3d9d

Response Sample

```
{
  "success": true,
  "status": "OK",
  "description": "",
  "message": ""
}
```

Example

The following call would be used to unassign an agent with an ID of "60b501a2-855b-3ac5-8051-7d6aedcb3d9d" from an application with an ID of "18bf9576-38e2-3e9c-9da7-b68869e16674":

```
POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/applications/18bf9576-38e2-3e9c-9da7-b68869e16674/agents/unassign
```

ALERTS

GET ALERT DETAILS

Displays details pertaining to a specified alert.

Definition

```
GET https://<Appliance IP>/kotoba/rest/v1.0/alerts/{alertid}
```

Parameters

Name	Required	Type	Description	Example
alertid	Yes	UUID	ID of an alert to display details for.	e789a3c8-6928-3dd0-81b7-9239fbaa84cb

Response Sample

```
{
  "applicationContextId": "202cb962-ac59-375b-964b-07152d234b70",
  "agentId": "38651f7e-03a8-395c-8a9a-58d707a7dbbc",
  "role": "AD SERVER",
  "id": "a4fce53a-5541-49c2-80fc-07696dbabfb299d5e370-5f2c-11e6-a27f-db2318584f13202cb962-ac59-375b-964b-07152d234b7038651f7e-03a8-395c-8a9a-58d707a7dbbctrivial-rewrite/usr/libexec/postfix/trivial-rewrite2746",
  "alertId": "598fbce3-2e3b-338e-a2c4-f8e9ab354aa8",
  "page": 1,
  "start": 0,
  "limit": 25
}
```

Example

The following call would be used to view details pertaining to an alert with an ID of "e789a3c8-6928-3dd0-81b7-9239fbaa84cb":

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/alerts/e789a3c8-6928-3dd0-81b7-9239fbaa84cb
```

GET ALERTS BY APPLICATION

Displays the alerts generated for a specified application.

Definition

```
GET https://<Appliance IP>/kotoba/rest/v1.0/alerts/applications/{appid}
```

Parameters

Name	Required	Type	Description	Example
appid	Yes	UUID	ID of an application to display alerts for.	18bf9576-38e2-3e9c-9da7-b68869e16674

Response Sample

```
{
  "took": 61,
  "timed_out": false,
  "_shards": {
    "total": 5,
    "successful": 5,
    "skipped": 0,
    "failed": 0
  },
  "hits": {
```



```

"total": 273535,
"max_score": 9.128294E-6,
"hits": [{
  "_index": "bushidodb_alertinfo",
  "_type": "alertinfo",
  "_id": "d206bcd3-2de7-3374-a09d-8261b74db253",
  "_score": 9.128294E-6,
  "_source": {
    "alkey": {
      "applicationContextId": "202cb962-
ac59-375b-964b-07152d234b70",
      "role": "333",
      "agentId": "31dcdb98-9226-3e2d-83f3-
204bd6e5ff08",
      "alertId": "d206bcd3-2de7-3374-a09d-
8261b74db253",
      "id": "a4fce53a-5541-49c2-80fc-
07696dbabfb299d5e370-5f2c-11e6-a27f-db2318584f13202cb962-ac59-375b-
964b-07152d234b7031dcdb98-9226-3e2d-83f3-
204bd6e5ff08prelink/usr/sbin/prelink4376"
    },
    ...
  }
}

```

Example

The following call would be used to display the alerts generated by an application with an ID of "18bf9576-38e2-3e9c-9da7-b68869e16674":

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/alerts/applications/18bf9576-38e2-3e9c-9da7-b68869e16674
```

GET ALERTS BY AGENT

Displays generated alerts associated with a specified agent.

Definition

```
GET https://<Appliance
IP>/kotoba/rest/v1.0/alerts/applications/{appid}/agents?agentid=<Agent ID>
```

Parameters

Name	Required	Type	Description	Example
appid	Yes	UUID	ID of the application the specified agent belongs to.	18bf9576-38e2-3e9c-9da7-b68869e16674
agentid	Yes	UUID	ID of the agent to display	e789a3c8-6928-3dd0-81b7-9239fbaa84cb

			generated alerts for.	
--	--	--	-----------------------	--

Response Sample

-

Example

The following call would be used to display a list of generated alerts associated with an agent with an ID of “e789a3c8-6928-3dd0-81b7-9239fbaa84cb” assigned to an application with an ID of “18bf9576-38e2-3e9c-9da7-b68869e16674”:

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/alerts/applications/18bf9576-38e2-3e9c-9da7-b68869e16674/agents?agentid=e789a3c8-6928-3dd0-81b7-9239fbaa84cb
```

GET ALERTS BY ROLE

Displays the alerts generated in a given Server Role in a specified application.

Definition

```
GET https://<Appliance IP>/kotoba/rest/v1.0/alerts/application/{appid}/agents/{role}
```

Parameters

Name	Required	Type	Description	Example
appid	Yes	UUID	ID of the application the specified Server Role belongs to.	18bf9576-38e2-3e9c-9da7-b68869e16674
role	Yes	String	Name of the role to view alerts for.	AD SERVER

Response Sample

```
{
  "took": 622,
  "timed_out": false,
  "_shards": {
    "total": 5,
    "successful": 5,
    "skipped": 0,
    "failed": 0
  },
  "hits": {
```

```

"total": 138000,
"max_score": 0.69326586,
"hits": [{
  "_index": "bushidodb_alertinfo",
  "_type": "alertinfo",
  "_id": "d206bcd3-2de7-3374-a09d-8261b74db253",
  "_score": 0.69326586,
  "_source": {
    "alkey": {
      "applicationContextId": "202cb962-
ac59-375b-964b-07152d234b70",
      "role": "333",
      "agentId": "31dcdb98-9226-3e2d-83f3-
204bd6e5ff08",
      "alertId": "d206bcd3-2de7-3374-a09d-
8261b74db253",
      "id": "a4fce53a-5541-49c2-80fc-
07696dbabfb299d5e370-5f2c-11e6-a27f-db2318584f13202cb962-ac59-375b-
964b-07152d234b7031dcdb98-9226-3e2d-83f3-
204bd6e5ff08prelink/usr/sbin/prelink4376"
    },
    ...
  }
}

```

Example

The following call would be used to display the alerts generated in the “AD Server” Role in an application with an ID of “18bf9576-38e2-3e9c-9da7-b68869e16674”:

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/alerts/application/18bf9576-38e2-3e9c-9da7-b68869e16674/agents/AD_SERVER
```

DELETE ALERTS

Deletes an alert or a specified selection of alerts.

Definition

```
POST https://<Appliance IP>/kotoba/rest/v1.0/alerts/delete
```

Request Body

```
[ "<alertId>" ]
```

Parameters

Name	Required	Type	Description	Example
alertId	Yes	UUID	ID of the alert to delete.	78d67285-4305-3e33-901f-430d36bb9119

Response Sample

```
{
  "success": true,
  "data": "alerts Delete Success.",
  "message": {
    "message": "alerts Delete Success.",
    "code": "S"
  }
}
```

Example

The following call would be used to delete an alert with an ID of "78d67285-4305-3e33-901f-430d36bb9119":

```
POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/alerts/delete
```

Request Body

```
["78d67285-4305-3e33-901f-430d36bb9119"]
```

DELETE ALL ALERTS

Deletes all generated alerts.

Definition

```
DELETE https://<Appliance IP>/kotoba/rest/v1.0/alerts/delete/all
```

Parameters

None

Response Sample

```
{
  "success": true,
  "data": "alerts Delete Success.",
  "message": {
    "message": "alerts Delete Success.",
    "code": "S"
  }
}
```

Example

The following call would be used to delete all generated alerts on a TrueFort appliance located at "xxx.x.xxx.xx":

```
DELETE https://xxx.x.xxx.xx/kotoba/rest/v1.0/alerts/delete/all
```

CLOSE ALERT

Changes a specified alert's status to "CLOSED".



Definition

POST https://<Appliance IP>/kotoba/rest/v1.0/alerts/close

Request Body

```
["<alertId>"]
```

Parameters

Name	Required	Type	Description	Example
alertId	Yes	UUID	ID of the alert to close.	78d67285-4305-3e33-901f-430d36bb9119

Response Sample

```
{
  "success": true,
  "data": "Alert CLOSE Success.",
  "message": {
    "message": "Alert CLOSED",
    "code": "S"
  }
}
```

Example

The following call would be used to close an alert with an ID of "78d67285-4305-3e33-901f-430d36bb9119":

POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/alerts/close

Request Body

```
["78d67285-4305-3e33-901f-430d36bb9119"]
```

MERGE ALERT

Merges a specified alert to an application's profile.

Definition

POST https://<Appliance IP>/kotoba/rest/v1.0/alerts/merge

Request Body

```
["<alertId>"]
```

Parameters

Name	Required	Type	Description	Example
------	----------	------	-------------	---------

alertId	Yes	UUID	ID of the alert to be reset	78d67285-4305-3e33-901f-430d36bb9119
---------	-----	------	-----------------------------	--------------------------------------

Response Sample

```
{
  "success": true,
  "message": {
    "message": "Merged Successfully",
    "code": "S"
  }
}
```

Example

The following call would be used to merge an alert with an ID of "78d67285-4305-3e33-901f-430d36bb9119":

POST <https://xxx.x.xxx.xx/kotoba/rest/v1.0/alerts/merge>

Request Body

```
["78d67285-4305-3e33-901f-430d36bb9119"]
```

RESET ALERT

Resets a specified alert.

Definition

POST <https://<Appliance IP>/kotoba/rest/v1.0/alerts/reset>

Request Body

```
["<alertId>"]
```

Parameters

Name	Required	Type	Description	Example
alertId	Yes	UUID	ID of the alert to be reset	78d67285-4305-3e33-901f-430d36bb9119

Response Sample

```
{
  "success": true,
  "data": "Alert RESET Attempt Success.",
  "message": {
    "message": "Alert RESET attempted",
    "code": "S"
  }
}
```

```
}  
}
```

Example

The following call would be used to reset an alert with an ID of "78d67285-4305-3e33-901f-430d36bb9119":

```
POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/alerts/reset
```

Request Body

```
["78d67285-4305-3e33-901f-430d36bb9119"]
```

GET ALERT ANNOTATIONS

Displays the annotations associated with a specified alert.

Definition

```
GET https://<Appliance IP>/kotoba/rest/v1.0/alerts/{alertid}/annotations
```

Parameters

Name	Required	Type	Description	Example
alertid	Yes	UUID	ID of an alert to view annotations for.	e789a3c8-6928-3dd0-81b7-9239fbaa84cb

Response Sample

```
[{  
  "alertid": "e789a3c8-6928-3dd0-81b7-9239fbaa84cb",  
  "id": "1e48dd90-4a7d-11e9-af2a-c1d5e30c463e",  
  "annotation": "Alert Opened by bushido system",  
  "lastupdated": "2019-03-19T19:28:05.097Z",  
  "lastUpdatedUser": "PERSISTER_SYSTEM"  
}, {  
  "alertid": "e789a3c8-6928-3dd0-81b7-9239fbaa84cb",  
  "id": "1e569930-4a7d-11e9-afc6-57cae51ad29b",  
  "annotation": "Alert state change from OPEN to WORKFLOW",  
  "lastupdated": "2019-03-19T19:28:05.187Z",  
  "lastUpdatedUser": "WORKFLOW_SYSTEM"  
}, {  
  "alertid": "e789a3c8-6928-3dd0-81b7-9239fbaa84cb",  
  "id": "1e5ab7e0-4a7d-11e9-afc6-57cae51ad29b",  
  "annotation": "Alert state change from WORKFLOW to  
RESPONSE_PENDING",  
  ...  
}]
```

Example

The following call would be used to view the annotations for an alert with an ID of “e789a3c8-6928-3dd0-81b7-9239fbaa84cb”:

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/alerts/e789a3c8-6928-3dd0-81b7-9239fbaa84cb/annotations
```

USERS

GET ALL USERS

Displays all users registered to the TrueFort appliance.

Definition

```
GET https://<Appliance IP>/kotoba/rest/v1.0/users/all
```

Parameters

None

Response Sample

```
[{
  "key": {
    "userid": "dairi",
    "email": "support@cixsoft.com"
  },
  "firstName": "Dairi",
  "lastName": "Myoji",
  "applicationsMap": {},
  "password":
"313032343638!6e255e50cad687da5f69ee25a314b0dd!dda37a7d7cd332c77b63a6d
53ade79a43aeca070d46abbb49ca54a9a36bccbe16f5969d10b2e7058737437b4dbead
516bf44a45a7264fe6a08f3f22f214b995b",
  "status": "REGISTERED",
  "createTime": "2019-02-04T16:22:50.000Z",
  "lastUpdate": "2019-02-04T16:22:50.000Z",
  "updatedBy": "admin",
  "teams": ["30084152-5ddc-3079-a765-dbbcd58f2391"],
  "teamObjs": [{
    "teamid": "30084152-5ddc-3079-a765-dbbcd58f2391",
    "name": "Bushido Admin Team",
    "description": "Bushido Administration Team",
    "users": "{\\"admin\\":\\"TEAM_ADMIN\\"}",
    "applications": "{\\"51fcd44a-c479-3f3b-9dd7-
3e9090766926\\":[\\"APPLICATION_ADMIN\\"],\\"13b09673-e6d8-3c49-a9cf-
34fa41d28968\\":[\\"APPLICATION_ADMIN\\"],\\"cfd554d3-7960-3fb6-b46d-
1e8d546fe091\\":[\\"APPLICATION_ADMIN\\"]}",
    "agentOpGroups": ["1e16aa60-2899-11e9-8932-
dbe63c9322f6"],
    "createTime": "2019-02-04T16:22:51.000Z",
```

```

        "lastUpdate": "2019-02-04T16:22:51.000Z",
        "updatedBy": "admin",
        "email": "",
        "isAdminRole": false
    },
    ],
    "appObjs": []
}, {
    "key": {
...

```

Example

The following call would be used to display a list of the users registered to a TrueFort appliance located at "216.3.128.12":

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/users/all
```

CREATE/UPDATE USER

Creates a new user, or updates an existing user.

Definition

```
POST https://<Appliance IP>/kotoba/rest/v1.0/users/create
```

Request Body

```

{
    "userid": "<User ID>",
    "firstName": "<First Name>",
    "lastName": "<Last Name>",
    "email": "<User Email>",
    "password": "<password>"
}

```

Parameters

Name	Required	Type	Description	Example
userid	Yes	String	ID of the user to edit/update.	testuser1
firstName	Yes	String	User's first name.	Test
lastName	Yes	String	User's last name.	User
email	Yes	String	User's email.	testuser@test.com
password	Yes	String	User's password.	Test_123456

Response Sample

```
{
  "success": true,
  "status": "OK",
  "description": "",
  "message": ""
}
```

Example

The following call would be used to create a user with the User ID "testuser1", first name "Test", last name "User", and contact email "testuser@test.com":

POST <https://xxx.x.xxx.xx/kotoba/rest/v1.0/users/create>

Request Body

```
{
  "userid": "testuser1",
  "firstName": "Test",
  "lastName": "User",
  "email": "testuser@test.com"
  "password": "Test_123456"
}
```

DELETE USER

Deletes a specified user.

Definition

DELETE <https://<Appliance IP>/kotoba/rest/v1.0/users/{userid}>

Parameters

Name	Required	Type	Description	Example
userid	Yes	String	ID of a user to delete.	sampleuser1

Response Sample

```
{
  "success": true,
  "data": "User deleted successfully",
  "message": {
    "message": "User deleted sucessfully",
    "code": "S"
  }
}
```

```
}
```

Example

The following call would be used to delete a user with a User ID of “sampleuser1”:

```
DELETE https://xxx.x.xxx.xx/kotoba/rest/v1.0/users/sampleuser1
```

TEAMS

GET TEAM

Gets general information pertaining to a specified team.

Definition

```
GET https://<Appliance IP>/kotoba/rest/v1.0/teams/{teamid}
```

Parameters

Name	Required	Type	Description	Example
teamid	Yes	UUID	ID of a team to display information for.	30084152-5ddc-3079-a765-dbbcd58f2391

Response Sample

```
{  
  "teamid": "8c14f93b-52cf-3da1-93d5-85710c6eb62b",  
  "name": "TestExternalTeamTh1",  
  "description": "TestExternalTeam Th1",  
  "users": "{\"admin\": \"TEAM_ADMIN\"}",  
  "createTime": "2019-11-12T14:04:16.795Z",  
  "lastUpdate": "2019-11-12T14:04:16.795Z",  
  "updatedBy": "admin",  
  "email": "TestExternalTeamTh1@yahoo.com",  
  "isAdminRole": false  
}
```

Example

The following call would be used to display information pertaining to a team with an ID of “30084152-5ddc-3079-a765-dbbcd58f2391”.

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/teams/30084152-5ddc-3079-a765-dbbcd58f2391
```

GET TEAM BY NAME

Displays general information based on a specified team name.

Definition

GET https://<Appliance IP>/kotoba/rest/v1.0/teams/byname/{teamname}

Parameters

Name	Required	Type	Description	Example
teamname	Yes	String	Name of a team to display information for.	TeamOne

Response Sample

```
{
  "teamid": "8c14f93b-52cf-3da1-93d5-85710c6eb62b",
  "name": "TestExternalTeamTh1",
  "description": "TestExternalTeam Th1",
  "users": "{\\"admin\\":\\"TEAM_ADMIN\\"}",
  "createTime": "2019-11-11T16:54:13.595Z",
  "lastUpdate": "2019-11-11T16:54:13.595Z",
  "updatedBy": "admin",
  "email": "TestExternalTeamTh1@yahoo.com",
  "isAdminRole": false
}
```

Example

The following call would be used to display information pertaining to a team called "TeamOne":

GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/teams/byname/TeamOne

GET ALL TEAMS

Displays a list of the teams registered to the TrueFort appliance.

Definition

GET https://<Appliance IP>/kotoba/rest/v1.0/teams/all

Parameters

None

Response Sample

```
[{
  "teamid": "f3983929-9987-36ee-8320-1ed3dcaaf51c",
  "name": "Test Team",
  "description": "Input Test Team",
  "users": "{\\"admin\\":\\"TEAM_ADMIN\\"}",
  "membersMap": {
    "admin": "TEAM_ADMIN"
  },
}
```



```

    "applications": "{\"73bdbd81-e207-3f64-864e-
a50c3f93852e\": [\"APPLICATION_ADMIN\"], \"18bf9576-38e2-3e9c-9da7-
b68869e16674\": [\"APPLICATION_ADMIN\"]}\",
    "createTime": "2019-02-08T14:13:27.000Z",
    "lastUpdate": "2019-02-08T14:13:27.000Z",
    "updatedBy": "admin",
    "email": "teamone@truefort.com",
    "isAdminRole": true
  }, {
    "teamid": "9891b986-269c-3535-914c-cc69ce51061a",
    ...

```

Example

The following call would be used to display a list of the teams registered to a TrueFort appliance located at "xxx.x.xxx.xx":

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/teams/all
```

CREATE/UPDATE TEAM

Creates a new team or updates an existing team.

Definition

```
POST https://<Appliance IP>/kotoba/rest/v1.0/teams/create
```

Request Body

```

{
  "teamid": null,
  "name": "<Team Name>",
  "email": "<Team Email>",
  "description": "<Description>"
}

```

Parameters

Name	Required	Type	Description	Example
"name"	Yes	String	A name for the newly created team.	New Team
"email"	Yes	String	Team's contact email.	newteam@newteam.org
"description"	Yes	String	Team description.	TeamCreation

Response Sample

```
{
  "success": true,
  "status": "OK",
  "description": "",
  "message": ""
}
```

Example

The following call would be used to create a team called “New Team” with the email address “newteam@newteam.org” and the description “TeamCreation”.

POST <https://xxx.x.xxx.xx/kotoba/rest/v1.0/teams/create>

Request Body

```
{
  "teamid": null,
  "name": "New Team",
  "email": "newteam@newteam.org",
  "description": "TeamCreation"
}
```

DELETE TEAM

Deletes a specified team.

Definition

DELETE <https://<Appliance IP>/kotoba/rest/v1.0/teams/{teamid}>

Parameters

Name	Required	Type	Description	Example
Team ID	Yes	UUID	ID of the team to delete.	703ee5ab-d4e9-39d7-bece-fcde76d939cf

Response Sample

```
{
  "success": true,
  "status": "OK",
  "description": "",
  "message": ""
}
```

Example

The following call would be used to delete a team with the ID “703ee5ab-d4e9-39d7-bece-fcde76d939cf”:



DELETE https://xxx.x.xxx.xx/kotoba/rest/v1.0/teams/703ee5ab-d4e9-39d7-bece-fcde76d939cf

DELETE TEAMS

Deletes multiple specified teams.

Definition

POST https://<Appliance IP>/kotoba/rest/v1.0/teams/delete

Request Body

```
[ "<Team ID>", "<Team ID>" ]
```

Parameters

Name	Required	Type	Description	Example
Team ID	Yes	UUID	ID of a team to delete. Users can designate multiple, comma-separated values, as shown in the example below.	703ee5ab-d4e9-39d7-bece-fcde76d939cf

Response Sample

```
{  
  "success": true,  
  "status": "OK",  
  "description": "",  
  "message": ""  
}
```

Example

The following call would be used to delete two teams with the IDs "098f6bcd-4621-3373-8ade-4e832627b4f6" and "95a58146-d5fb-3572-bffb-27d886935ca1":

POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/teams/delete

Request Body

```
[ "098f6bcd-4621-3373-8ade-4e832627b4f6", "95a58146-d5fb-3572-bffb-27d886935ca1" ]
```

GET TEAM'S APPLICATIONS

Displays a list of applications a specified team has been assigned to.

Definition

GET https://<Appliance IP>/kotoba/rest/v1.0/teams/{teamid}/applications

Parameters

Name	Required	Type	Description	Example
teamid	Yes	UUID	ID of a team to display assigned applications for.	703ee5ab-d4e9-39d7-bece-fcde76d939cf

Response Sample

```
[{
  "role": "APPLICATION_ADMIN",
  "appid": "95ed57f9-5929-3757-8c2f-92c45cac4b6d",
  "createTime": "2019-06-07T14:29:17.871Z",
  "description": "asdasd",
  "state": "UAT",
  "lastupdate": "2019-06-07T14:29:17.896Z",
  "teams": "{\"APPLICATION_ADMIN\": \"5314a8eb-fbf3-3329-ac0e-f3f8da4ab71c\"}",
  "agents": "{}",
  "isAdminRole": false,
  "name": "TestRealmProcess",
  "updatedBy": "admin",
  "appType": "STATIC"
}, {
  "role": "APPLICATION_ADMIN",
  "appid": "8f0d6355-c04b-3a22-8bb3-8021cbbaf788",
  "createTime": "2019-02-26T14:07:25.209Z",
  "description": "Test upload app 2",
  "state": "PROD",
  "lastupdate": "2019-02-26T14:07:25.225Z",
  "teams": "{\"APPLICATION_ADMIN\": \"5314a8eb-fbf3-3329-ac0e-f3f8da4ab71c\"}",
  "agents": "{}",
  "isAdminRole": false,
  "name": "TestUploadApp2",
  "updatedBy": "admin",
  ...
}
```

Example

The following call would be used to view the applications a team with an ID of “703ee5ab-d4e9-39d7-bece-fcde76d939cf” is assigned to:

GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/teams/703ee5ab-d4e9-39d7-bece-fcde76d939cf/applications



GET TEAM MEMBERS

Displays a list of users that belong to a specified team.

Definition

GET `https://<Appliance IP>/kotoba/rest/v1.0/teams/{teamid}/members`

Parameters

Name	Required	Type	Description	Example
teamid	Yes	UUID	ID of the team to display members from.	30084152-5ddc-3079-a765-dbbcd58f2391

Response Sample

```
[{
  "role": "TEAM_ADMIN",
  "key": {
    "userid": "admin"
  },
  "firstName": "Admin",
  "lastName": "User",
  "teams": [],
  "teamObjs": [],
  "appObjs": []
}]
...
```

Example

The following call would be used to display a list of the members of a team with the TeamID "30084152-5ddc-3079-a765-dbbcd58f2391".

GET `https://xxx.x.xxx.xx/kotoba/rest/v1.0/teams/30084152-5ddc-3079-a765-dbbcd58f2391/members`

ASSIGN TEAM MEMBER

Adds a specified user to a team under a designated role.

Definition

PUT `https://<Appliance IP>/kotoba/rest/v1.0/teams/{teamid}/members/assign/{role}?userid=<username>`

Request Body

None

Parameters

Name	Required	Type	Description	Example
teamid	Yes	UUID	ID of the team to display members from.	30084152-5ddc-3079-a765-dbbcd58f2391
role	Yes	String	Role to assign to the new member.	TEAM_MEMBER/ TEAM_ADMIN
userid	Yes	String	Name of the user to assign.	externaluser

Example

The following call would be used to assign a user named "externaluser" to a team with an ID of "30084152-5ddc-3079-a765-dbbcd58f2391" under the member role:

```
POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/teams/30084152-5ddc-3079-a765-dbbcd58f2391/members/assign/TEAM_MEMBER?userid=externaluser
```

UNASSIGN TEAM MEMBER

Unassigns a user from a specified team.

Definition

```
POST https://<Appliance IP>/kotoba/rest/v1.0/teams/{teamid}/members/unassign
```

Request Body

```
[ "<User ID>" ]
```

Parameters

Name	Required	Type	Description	Example
teamid	Yes	UUID	ID of a team to unassign a member from.	30084152-5ddc-3079-a765-dbbcd58f2391
User ID	Yes	String	ID of a team member to unassign.	sampleuser1

Response Sample

```
{
  "success": true,
  "status": "OK",
  "description": "",
  "message": ""
}
```

Example

The following call would be used to unassign a user with an ID of “sampleuser1” from a team with an ID of “30084152-5ddc-3079-a765-dbbcd58f2391”:

```
POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/teams/30084152-5ddc-3079-a765-dbbcd58f2391/members/unassign
```

Request Body

```
["sampleuser1"]
```

ASSIGN TEAM TO APPLICATION

Assigns a team to a specified application.

Definition

```
POST https://<Appliance IP>/kotoba/rest/v1.0/teams/{teamid}/applications/assign/{role}
```

Request Body

```
["<appid>"]
```

Parameters

Name	Required	Type	Description	Example
teamid	Yes	UUID	ID of a team to assign to an application.	30084152-5ddc-3079-a765-dbbcd58f2391
role	Yes	String	Designated team role within the specified application.	APPLICATION_ADMIN/ APPLICATION_DEVELOPER/ APPLICATION_SUPPORT
appid	Yes	UUID	ID of the application to assign a team to.	5feb082f-4e09-328b-8bbd-293f3b16cd91

Response Sample

```
{
  "success": true,
  "status": "OK",
  "description": "",
  "message": ""
}
```

Example

The following call would be used to assign a team with an ID of “30084152-5ddc-3079-a765-dbbcd58f2391” to an application with an ID of “5feb082f-4e09-328b-8bbd-293f3b16cd91” under the Support role:

POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/teams/30084152-5ddc-3079-a765-dbbcd58f2391/applications/assign/APPLICATION_SUPPORT

Request Body

```
["5feb082f-4e09-328b-8bbd-293f3b16cd91"]
```

UNASSIGN TEAM FROM APPLICATION

Unassigns a team from a specified application.

Definition

POST https://<Appliance IP>/kotoba/rest/v1.0/teams/{teamid}/applications/unassign

Request Body

```
["<appid>:<role>"]
```

Parameters

Name	Required	Type	Description	Example
teamid	Yes	UUID	ID of a team to unassign from an application.	30084152-5ddc-3079-a765-dbbcd58f2391
role	Yes	String	Designated team role within the specified application.	APPLICATION_ADMIN/ APPLICATION_DEVELOPER/ APPLICATION_SUPPORT
appid	Yes	UUID	ID of the application to unassign a team from.	155aad9f-48e1-31a4-a5dd-a3b686051b68

Response Sample

```
{
  "success": true,
  "status": "OK",
  "description": "",
  "message": ""
}
```

Example

The following call would be used to unassign a Support team with an ID of "30084152-5ddc-3079-a765-dbbcd58f2391" from an application with an ID of "155aad9f-48e1-31a4-a5dd-a3b686051b68":

POST
https://xxx.x.xxx.xx/kotoba/rest/v1.0/teams/{teamid}/applications/unassign

Request Body

```
["155aad9f-48e1-31a4-a5dd-a3b686051b68:APPLICATION_SUPPORT"]
```

CLASSIFIERS

GET ALL CLASSIFIERS

Displays all classifiers registered to the TrueFort appliance.

Definition

```
GET https://<Appliance IP>/kotoba/rest/v1.0/classifiers/all
```

Parameters

None

Response Sample

```
[{
  "type": "PortCE",
  "name": "Adobe ColdFusion",
  "teamid": "30084152-5ddc-3079-a765-dbbcd58f2391",
  "generator": "bushido",
  "teamName": "Bushido Admin Team",
  "status": "PUBLIC",
  "ceidSet": ["b7f7ada7-d848-3022-a0ee-5eb7d8835709"],
  "editable": false
}, {
  "type": "PortCE",
  "name": "BGP",
  "teamid": "30084152-5ddc-3079-a765-dbbcd58f2391",
  "generator": "bushido",
  "teamName": "Bushido Admin Team",
  "status": "PUBLIC",
  "ceidSet": ["8f53295a-7387-3494-a9bc-8dd6c3c7104f"],
  "editable": false
}, {
  "type": "PortCE",
  "name": "BackupExec",
  "teamid": "30084152-5ddc-3079-a765-dbbcd58f2391",
  "generator": "bushido",
  ...
```

Example

The following call would be used to view the classifiers registered to a TrueFort appliance at "xxx.x.xxx.xx":

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/classifiers/all
```



GET CLASSIFIERS BY TYPE

Displays all registered classifiers of a given type on the TrueFort appliance.

Definition

GET `https://<Appliance IP>/kotoba/rest/v1.0/classifiers/{type}`

Parameters

Name	Required	Type	Description	Example
type	No	String	Use this parameter to only view classifiers of a given type. "IPAddressCE" displays IP Address Classifiers. "PortCE" displays Port Classifiers. "RegExCE" displays RegEx Classifiers.	IPAddressCE or PortCE or RegExCE

Response Sample

```
[{
  "type": "PortCE",
  "name": "Adobe ColdFusion",
  "teamid": "30084152-5ddc-3079-a765-dbbcd58f2391",
  "generator": "bushido",
  "teamName": "Bushido Admin Team",
  "status": "PUBLIC",
  "ceidSet": ["b7f7ada7-d848-3022-a0ee-5eb7d8835709"],
  "editable": false
}, {
  "type": "PortCE",
  "name": "BGP",
  "teamid": "30084152-5ddc-3079-a765-dbbcd58f2391",
  "generator": "bushido",
  "teamName": "Bushido Admin Team",
```

```

    "status": "PUBLIC",
    "ceidSet": ["8f53295a-7387-3494-a9bc-8dd6c3c7104f"],
    "editable": false
  }, {
    "type": "PortCE",
    "name": "BackupExec",
    "teamid": "30084152-5ddc-3079-a765-dbbcd58f2391",
    "generator": "bushido",
    ...

```

Example

The following call would be used to view all port classifiers registered on a TrueFort appliance.

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/classifiers/PortCE
```

CREATE NEW CLASSIFIER

Creates a new classifier.

Definition

```
POST https://<Appliance IP>/kotoba/rest/v1.0/classifiers/create/{isnew}
```

Request Body

```

{
  "name": "<Classifier Name>",
  "type": "<Classifier Type>",
  "status": "<Status>",
  "teamid": "<Team ID>"
}

```

Parameters

Name	Required	Type	Description	Example
isNew	Yes	Boolean	Designate as "true" to add a new classifier. Designate as "false" to edit an existing classifier.	true
name	Yes	String	Name for the new classifier.	Test Classifier
type	Yes	String	Classifier type. (IPAddressCE/PortCE/Regex/CE)	IPAddressCE
status	Yes	String	Classifier status. (Public/Private)	PUBLIC
teamid	Yes	UUID	ID of the team to assign to the new classifier.	30084152-5ddc-3079-a765-dbbcd58f2391

Response Sample

```
{
  "success": true,
  "data": {
    "classifierGroup": {
      "type": "IPAddressCE",
      "name": "Test Classifier",
      "teamid": "30084152-5ddc-3079-a765-dbbcd58f2391",
      "generator": "user",
      "status": "PUBLIC",
      "ceidSet": [],
      "editable": true,
      "entitySet": []
    },
    "gridConfiguration": {
      "metricName": "IPAddressCE",
      "fields": [{
        "name": "ipAddress",
        "type": "string",
        "position": 2.0
      }, {
        "name": "classifierName",
        "type": "auto",
        "position": 3.0
      }
    ]
  }
}
...
```

Example

The following call would be used to create a new public IP Address classifier named “Test Classifier” and assign a team with an ID of “30084152-5ddc-3079-a765-dbbcd58f2391” to it.

```
POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/classifiers/create/true
```

Request Body

```
{
  "name": "Test Classifier",
  "type": "IPAddressCE",
  "status": "PUBLIC",
  "teamid": "30084152-5ddc-3079-a765-dbbcd58f2391"
}
```

GET CLASSIFIERS

Displays a classifier or list of classifiers based on provided parameters.



Definition

GET https://<Appliance IP>/kotoba/rest/v1.0/classifiers?type=<Type>&name=<Name>

Parameters

Name	Required	Type	Description	Example
name	Yes	String	Classifier name	Test Classifier
type	Yes	String	Classifier type. (IPAddressCE/PortCE/Regex/CE)	IPAddressCE

Response Sample

```
[{
  "type": "IPAddressCE",
  "name": "${apprname}Th1:AD SERVER",
  "teamid": "30084152-5ddc-3079-a765-dbbcd58f2391",
  "generator": "bushido",
  "teamName": "Bushido Admin Team",
  "status": "PUBLIC",
  "editable": false
}, {
  "type": "IPAddressCE",
  "name": "x1",
  "teamid": "30084152-5ddc-3079-a765-dbbcd58f2391",
  "generator": "user",
  "teamName": "Bushido Admin Team",
  "status": "PRIVATE",
  "ceidSet": ["6465ec74-397c-3126-9167-86bbcd6d7601",
"7c45b6ba-5e2d-3318-ab90-f3da1ed69b97", "98660805-cdee-362a-b483-
27ad6032805b"],
  "editable": true
}
]
```

Example

The following call would be used to display information pertaining to an IP Address classifier named "Test Classifier":

```
GET https://
xxx.x.xxx.xx/kotoba/rest/v1.0/classifiers?type=IPAddressCE&name=Test
Classifier
```

UPDATE CLASSIFIER ENTITIES

Updates the entities registered to a specified classifier.

Definition

POST https://<Appliance IP>/kotoba/rest/v1.0/classifiers/{name}/entities/add?type={type}&isAppRole={false}

Request Body

```
[ "<Entity>" ]
```

Parameters

Name	Required	Type	Description	Example
name	Yes	String	Name of the classifier to update.	ThisIsATest
type	Yes	String	Classifier type (IPAddressCE/PortCE/RegexCE)	IPAddressCE
entity	Yes	String	Entities registered to the specified classifier. Multiple, comma separated values can be used.	xxx.x.xxx.xx

Response Sample

```
{
  "success": true,
  "data": {
    "classifierGroup": {
      "type": "IPAddressCE",
      "name": "ThisIsATest",
      "teamid": "30084152-5ddc-3079-a765-dbbcd58f2391",
      "generator": "user",
      "status": "PUBLIC",
      "ceidSet": [
        "12de49ce-2bfd-30bb-bc1e-97450d31c7b5",
        "d2d1736d-89be-3461-be7f-edda9cc923b8"
      ],
      "editable": true,
      "entitySet": [
        {
          "ceid": "12de49ce-2bfd-30bb-bc1e-97450d31c7b5",
          "ipAddress": "192.168.1.11",
          "classifierName": [
            "ThisIsATest"
          ]
        },
        {
          "ceid": "d2d1736d-89be-3461-be7f-edda9cc923b8",
          "ipAddress": "192.168.1.22",

```



...

Example

The following call would be used to update the "ThisIsATest" IP Address classifier with the following entities - xxx.x.xxx.01 and xxx.x.xxx.02:

POST

<https://xxx.x.xxx.xx/kotoba/rest/v1.0/classifiers/ThisIsATest/entities/add?type=IPAddressCE&isAppRole={false}>

Request Body

```
["xxx.x.xxx.01", "xxx.x.xxx.02"]
```

DELETE CLASSIFIER ENTITIES

Deletes specific entities registered to a classifier.

Definition

POST <https://<Appliance IP>/kotoba/rest/v1.0/classifiers/{name}/{type}/entities/delete?isAppRole={false}>

Request Body

```
["<CEID>"]
```

Parameter

Name	Required	Type	Description	Example
name	Yes	String	Name of the classifier to delete entities from.	ThisIsATest
type	Yes	String	Type of classifier to delete entities from.	IPAddressCE
CEID	Yes	UUID	Classifier entity ID of the entity to delete.	12de49ce-2bfd-30bb-bc1e-97450d31c7b5

Response Sample

```
{
  "success": true,
  "message": {
    "message": "Classifier Group entities ThisIsATest deleted successfully",
  }
}
```

```

    "code": "S"
  }
}

```

Example

The following call would be used to delete a classifier entity with an ID of “12de49ce-2bfd-30bb-bc1e-97450d31c7b5” from an IP address classifier called “ThisIsATest”:

POST

<https://xxx.xx.xxx.x/kotoba/rest/v1.0/classifiers/ThisIsATest/IPAddressCE/entities/delete?isAppRole={false}>

Request Body

```
[ "12de49ce-2bfd-30bb-bc1e-97450d31c7b5" ]
```

DELETE CLASSIFIER

Deletes a specified classifier.

Definition

POST <https://<Appliance IP>/kotoba/rest/v1.0/classifiers/delete>

Request Body

```

{
  "type": "<Type>",
  "name": "<Name>",
  "teamid": "<Team ID>",
  "status": "<Status>"
}

```

Parameters

Name	Required	Type	Description	Example
type	Yes	String	Type of classifier to delete.	IPAddressCE
name	Yes	String	Name of the classifier to delete.	ThisIsATest
teamid	Yes	UUID	TeamID assigned to the classifier to delete.	30084152-5ddc-3079-a765-dbbcd58f2391

status	Yes	String	Status of the classifier to delete.	PUBLIC
--------	-----	--------	-------------------------------------	--------

Response Sample

```
{
  "success": true,
  "message": {
    "message": "Classifier group ThisIsATest deleted successfully",
    "code": "S"
  }
}
```

Example

The following call would be used to delete a public IP Address classifier named "ThisIsATest" assigned to a team with an ID of "30084152-5ddc-3079-a765-dbbcd58f2391":

POST <https://xxx.x.xxx.xx/kotoba/rest/v1.0/classifiers/delete>

Request Body

```
{
  "type": "IPAddressCE",
  "name": "ThisIsATest",
  "teamid": "30084152-5ddc-3079-a765-dbbcd58f2391",
  "status": "PUBLIC"
}
```

VALIDATE CLASSIFIER

Checks for the validity of a specified classifier.

Definition

POST <https://<Appliance IP>/kotoba/rest/v1.0/classifiers/validate>

Request Body

```
{
  "type": "<type>",
  "name": "<name>",
  "teamid": "<teamid>",
  "generator": "<generator>",
  "teamName": "<teamname>",
  "status": "<status>",
  "editable": <true/false>,
  "entitySet": [
    {"<entityset>"}
  ]
}
```

```
}
```

Parameters

Name	Required	Type	Description	Example
type	Yes	String	"IPAddressCE" for IP Addresses "PortCE" for Ports	IPAddressCE or PortCE
name	Yes	String	Classifier name	Test Classifier
teamid	Yes	UUID	ID of the team assigned to the classifier.	30084152-5ddc-3079-a765-dbbcd58f2391
generator	Yes	String	User that generated the classifier.	user
status	Yes	String	Whether the classifier is PUBLIC or PRIVATE	PUBLIC
teamName	Yes	String	Name of the team assigned to the classifier.	Bushido Admin Team
editable	Yes	Boolean	Designate "true" if the Classifier is editable.	true
entityset	Yes	String	Entities belonging to the classifier.	{"ipAddress": "xxx.x.xxx.xx" }

Response Sample

```
POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/classifiers/validate
```

Example

The following call would be used to validate an IP Address classifier containing two entities and the properties listed in the example column above:

```
POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/classifiers/validate
```

Request Body

```
{  
  "type": "IPAddressCE",  
  "name": "zx",  
  "teamid": "30084152-5ddc-3079-a765-dbbcd58f2391",  
  "generator": "user",  
  "teamName": "Bushido Admin Team",  
  "status": "PUBLIC",  
  "editable": true,  
  "entitySet": [  
    {"ipAddress": "xxx.x.xxx.xx"},  
    {"ipAddress": "xxx.x.xxx.xx"}  
  ]  
}
```

```
}
```

ORGANIZATIONS

GET ALL ORGANIZATIONS

Displays all organizations defined on the TrueFort appliance.

Definition

GET <https://<Appliance IP>/kotoba/rest/v1.0/organizations/all>

Parameters

None

Response Sample

```
{
  "children": {
    "orgId": "2aeb2461-06aa-3322-86df-16d5c80e61f9",
    "type": "ORGANIZATION",
    "code": "001",
    "childIds": ["b583bf54-0cf0-36ef-9647-f339f8dea749"],
    "applications": ["13b09673-e6d8-3c49-a9cf-34fa41d28968",
"67b0f53e-ac5a-358b-b304-dbc5fc1f72f2"],
    "name": "TrueFort",
    "description": "TrueFort",
    "createTime": "2019-02-04T16:27:38.000Z",
    "lastUpdate": "2019-03-19T18:41:14.685Z",
    "updatedBy": "admin",
    "leaf": false,
    "hasChildrenDefinition": true,
    "children": [{
      "orgId": "b583bf54-0cf0-36ef-9647-f339f8dea749",
      "type": "BUSINESS UNIT",
      "code": "002",
      "parent": "2aeb2461-06aa-3322-86df-16d5c80e61f9",
      "childIds": ["74dd8a0b-075f-334f-abc9-
1a49bdc03499", "ff9ca466-06f4-34cd-a00a-72e424c9809f"],
      "applications": ["73bdbd81-e207-3f64-864e-
a50c3f93852e"],
      "name": "BUSINESS UNIT 1",
      "description": "First Business Unit",
      "createTime": "2019-02-04T16:27:39.000Z",
      "lastUpdate": "2019-02-12T21:50:46.000Z",
      "updatedBy": "admin",
      "leaf": false,
      "hasChildrenDefinition": true,
      "children": [{
```

```

    "orgId": "ff9ca466-06f4-34cd-a00a-
72e424c9809f",
    "type": "DEPARTMENT",
    ...

```

Example

The following call would be used to display all of the organizations defined on a TrueFort appliance at “xxx.x.xxx.xx”

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/organizations/all
```

GET ORGANIZATION

Displays general information associated with a specified organization.

Definition

```
GET https://<Appliance IP>/kotoba/rest/v1.0/organizations/{organizationid}
```

Parameters

Name	Required	Type	Description	Example
organizationid	Yes	UUID	ID of an organization component display information for.	945d4eb8-4d2e-3df2-8ad9-ad3d3575f0e4

Response Sample

```

{
  "nodeId": "6905f209-b106-3291-a0e4-c5874d121cef",
  "type": "HEADOFFICETH1",
  "code": "2021",
  "parent": "b49ee6eb-1dcc-3d0a-98e7-0bd57ffc2b",
  "childIds": ["4a75ab9f-e51f-3d9a-b039-352e41b00277"],
  "applications": [],
  "name": "HeadOfficeExternalTh1",
  "description": "externalorg",
  "createTime": "2019-11-11T19:14:02.334Z",
  "lastUpdate": "2019-11-11T19:14:03.134Z",
  "updatedBy": "admin",
  "leaf": false,
  "hasChildrenDefinition": true,
  "children": [],
  "canHaveApps": true
}

```

Example

The following call would be used to view general information associated with a defined organization with an ID of “945d4eb8-4d2e-3df2-8ad9-ad3d3575f0e4”:



GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/organizations/945d4eb8-4d2e-3df2-8ad9-ad3d3575f0e4

CREATE/UPDATE ORGANIZATION

Creates a new organization or edits an existing organization.

Definition

POST https://<Appliance IP>/kotoba/rest/v1.0/organizations/create

Request Body

```
{
  "name": "<Organization Component Name>",
  "type": "<Definition Name>",
  "code": "<Code>",
  "description": "<Description>",
  "parent": "<Parent ID>"
}
```

Parameters

Name	Required	Type	Description	Example
name	Yes	String	Name of the created organization.	DEPARTMENT 3
type	Yes	String	Definition the organization belongs to.	DEPARTMENT
code	Yes	String	Code (identifier) for the created organization.	004
description	Yes	String	Description of the created organization.	Third department.
parent	No	UUID	Parent – if any – of the created organization.	b583bf54-0cf0-36ef-9647-f339f8dea749

Response Sample

```
{
  "success": true,
  "data": {
    "nodeId": "b583bf54-0cf0-36ef-9647-f339f8dea749",
    "type": "BUSINESS UNIT",
    "code": "002",
    "parent": "2aeb2461-06aa-3322-86df-16d5c80e61f9",
  }
}
```

```

        "childIds": ["74dd8a0b-075f-334f-abc9-1a49bdc03499",
"ff9ca466-06f4-34cd-a00a-72e424c9809f", "098dea4c-1c1f-32bf-8177-
0133238a1d79"],
        "applications": [],
        "name": "BUSINESS UNIT 1",
        "description": "First Business Unit",
        "createTime": "2019-04-10T15:26:47.234Z",
        "lastUpdate": "2019-05-08T15:59:45.243Z",
        "updatedBy": "admin",
        "leaf": false,
        "hasChildrenDefinition": false,
        "children": [],
        "canHaveApps": false
    },
    "message": {
        "message": "Organization \"DEPARTMENT 3\" added sucessfully
as a DEPARTMENT",
        "code": "S"
    }
}

```

Example

The following call would be used to create a new organization named “DEPARTMENT 3” of the “DEPARTMENT TYPE”, with a code “004”, description “Third department.” and is a child of another organization with the ID “b583bf54-0cf0-36ef-9647-f339f8dea749”:

POST <https://xxx.x.xxx.xx/kotoba/rest/v1.0/organizations/create>

Request Body

```

{
    "name": "DEPARTMENT 3",
    "type": "DEPARTMENT",
    "code": "004",
    "description": "Third department.",
    "parent": "b583bf54-0cf0-36ef-9647-f339f8dea749"
}

```

DELETE ORGANIZATION

Deletes a specified organization.

Definition

DELETE <https://<Appliance IP>/kotoba/rest/v1.0/organizations/{organizationid}>

Parameters

Name	Required	Type	Description	Example
------	----------	------	-------------	---------

organizationid	Yes	UUID	ID of the organization to delete.	945d4eb8-4d2e-3df2-8ad9-ad3d3575f0e4
----------------	-----	------	-----------------------------------	--------------------------------------

Response Sample

```
{
  "success": true,
  "message": {
    "message": "Organization \"BUSINESS UNIT 2\" deleted successfully",
    "code": "S"
  }
}
```

Example

The following call would be used to delete an organization with an ID of “945d4eb8-4d2e-3df2-8ad9-ad3d3575f0e4”:

```
DELETE https://xxx.x.xxx.xx/kotoba/rest/v1.0/organizations/945d4eb8-4d2e-3df2-8ad9-ad3d3575f0e4
```

ORGANIZATION DEFINITIONS

GET ALL ORGANIZATION DEFINITIONS

Displays all organization definitions registered on the TrueFort appliance.

Definition

```
GET https://<Appliance IP>/kotoba/rest/v1.0/organizationdefinitions/all
```

Parameters

None

Response Sample

```
[{
  "defId": "f10b990a-3d05-4f23-a1ee-5e9c1fc19282",
  "name": "ORGANIZATION",
  "children": ["7b43de42-0efc-44b1-91e3-bf5c0d64bbdf"],
  "canHaveApps": true,
  "description": "Organization",
  "createTime": "2019-02-04T16:27:33.000Z",
  "lastUpdate": "2019-02-19T20:00:36.000Z",
  "updatedBy": "admin"
}, {
  "defId": "b4184197-f354-441f-83e7-1713fc57d7c2",
  "name": "DEPARTMENT",
```

```

    "parents": ["7b43de42-0efc-44b1-91e3-bf5c0d64bbdf"],
    "canHaveApps": true,
    "description": "Department",
    "createTime": "2019-02-04T16:27:35.000Z",
    "lastUpdate": "2019-02-04T16:27:36.000Z",
    "updatedBy": "admin"
  }, {
  ...

```

Example

The following call would be used to display a list of all the organization definitions registered on a TrueFort appliance at "xxx.x.xxx.xx":

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/organizationdefinitions/all
```

GET ORGANIZATION DEFINITION

Displays general information pertaining to a specified organization definition.

Definition

```
GET https://<Appliance
IP>/kotoba/rest/v1.0/organizationdefinitions/{definitionname}
```

Parameters

Name	Required	Type	Description	Example
definitionname	Yes	String	Name of the organization definition to view information for.	ORGANIZATION

Response Sample

```

{
  "success": true,
  "data": {
    "defId": "09624d6f-d91f-40f8-a37c-5b8bd31116f6",
    "name": "HEADOFFICETH1",
    "children": ["a6a8dee7-5a7f-4ccf-92e5-0174a7774014"],
    "parents": ["29d596b3-fe04-40ab-99e8-26e5729c4fc8"],
    "canHaveApps": true,
    "description": "MainBranchWeehawken externalapi",
    "createTime": "2019-11-11T19:50:25.375Z",
    "lastUpdate": "2019-11-11T19:50:27.831Z",
    "updatedBy": "admin"
  }
}

```

Example

The following call would be used to display information pertaining to an organization definition named "ORGANIZATION":

```
GET
https://xxx.x.xxx.xx/kotoba/rest/v1.0/organizationdefinitions/ORGANIZATION
```

CREATE/UPDATE ORGANIZATION DEFINITION

Creates a new organization definition or updates an existing organization definition.

Definition

```
POST https://<Appliance IP>/kotoba/rest/v1.0/organizationdefinitions/create
```

Request Body

```
{
  "name": "<Definition Name>",
  "description": "<Description>",
  "canHaveApps": <True/False>
}
```

Parameters

Name	Required	Type	Description	Example
name	Yes	String	Name of the created definition.	DIVISION
description	Yes	String	Description for the created definition.	Division
canHaveApps	Yes	Boolean	Designate "true" to allow apps, "false" to prohibit them.	true

Response Sample

```
{
  "success": true,
  "data": "8c3416c8-8bf2-4638-bc4c-9d68664b82b1",
  "message": {
    "message": "Organization \"DIVISION\" saved successfully",
    "code": "S"
  }
}
```

Example

The following call would be used to create a new definition with the name "DIVISION", the description "Division", and allow apps to be assigned to it:

```
POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/organizationdefinitions/create
```

Request Body

```
{
  "name": "DIVISION",
  "description": "Division",
  "canHaveApps": true
}
```

GET CHILDREN OF ORGANIZATION DEFINITION

Displays a list of the children organization definitions for a specified parent organization definition.

Definition

```
GET https://<Appliance
IP>/kotoba/rest/v1.0/organizationdefinitions/{definitionname}/children
```

Parameters

Name	Required	Type	Description	Example
definitionname	Yes	String	Name of the organization definition to view children from.	ORGANIZATION

Response Sample

```
[{
  "defId": "7b43de42-0efc-44b1-91e3-bf5c0d64bbdf",
  "name": "BUSINESS UNIT",
  "children": ["b4184197-f354-441f-83e7-1713fc57d7c2"],
  "parents": ["f10b990a-3d05-4f23-a1ee-5e9c1fc19282"],
  "canHaveApps": true,
  "description": "Business Unit",
  "createTime": "2019-02-04T16:27:34.000Z",
  "lastUpdate": "2019-02-04T16:27:36.000Z",
  "updatedBy": "admin"
}]
```


Example

The following call would be used to display the children of the parent organization definition "ORGANIZATION":

GET

```
https://xxx.x.xxx.xx/kotoba/rest/v1.0/organizationdefinitions/ORGANIZATION/children
```

DELETE ORGANIZATION DEFINITION

Deletes a specified organization definition.

Definition

```
DELETE https://<Appliance IP>/kotoba/rest/v1.0/organizationdefinitions/{definitionid}
```

Parameters

Name	Required	Type	Description	Example
definitionid	Yes	String	ID of an organization definition to delete.	2442777e-a563-4f44-b321-7b0136354c56

Response Sample

```
{
  "success": true,
  "message": {
    "message": "Organization definition \"DIVISION\" deleted successfully",
    "code": "S"
  }
}
```

Example

The following call would be used to delete a definition with the ID "2442777e-a563-4f44-b321-7b0136354c56".

DELETE

```
https://xxx.x.xxx.xx/kotoba/rest/v1.0/organizationdefinitions/2442777e-a563-4f44-b321-7b0136354c56
```

ASSIGN CHILD ORGANIZATION DEFINITION

Assigns one organization to another as a child for the purposes of laying out a structural hierarchy



Definition

PUT https://<Appliance IP>/kotoba/rest/v1.0/organizationdefinitions/{definitionid}/children/assign/{childid}

Request Body

None

Parameters

Name	Required	Type	Description	Example
definitionid	Yes	String	ID of an organization definition to assign a child to.	2442777e-a563-4f44-b321-7b0136354c56
childid	Yes	String	ID of an organization definition to assign as a child.	4e733a28-7acb-4672-99f2-6ec517b401ee

Response Sample

```
{
  "success": true,
  "message": {
    "message": "Child \"SUBBRANCH2TH1\" added to parent:
\"BRANCHTH1\"",
    "code": "S"
  }
}
```

Example

The following call would be used to assign an organization definition with an ID of “4e733a28-7acb-4672-99f2-6ec517b401ee” to another organization definition with an ID of “2442777e-a563-4f44-b321-7b0136354c56” as a child:

```
POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/organizationdefinitions/2442777e-a563-4f44-b321-7b0136354c56/children/assign/4e733a28-7acb-4672-99f2-6ec517b401ee
```

UNASSIGN CHILD ORGANIZATION DEFINITION

Unassigns a child organization definition from its parent organization definition.

Definition

```
PUT https://<Appliance
IP>/kotoba/rest/v1.0/organizationdefinitions/{definitionid}/children/unassign
/{childid}
```

Request Body

None

Parameters

Name	Required	Type	Description	Example
definitionid	Yes	String	ID of an organization definition to unassign a child from.	2442777e-a563-4f44-b321-7b0136354c56
childid	Yes	String	ID of an organization definition to unassign.	4e733a28-7acb-4672-99f2-6ec517b401ee

Response Sample

```
{
  "success": true,
  "message": {
    "message": "\"SUBBRANCH3TH1\" Removed as child from
\"BRANCHTH1\"",
    "code": "S"
  }
}
```

Example

The following call would be used to unassign an organization definition with an ID of "4e733a28-7acb-4672-99f2-6ec517b401ee" from another organization definition with an ID of "2442777e-a563-4f44-b321-7b0136354c56":

```
PUT https://xxx.x.xxx.xx/kotoba/rest/v1.0/organizationdefinitions/2442777e-
a563-4f44-b321-7b0136354c56/children/unassign/4e733a28-7acb-4672-99f2-
6ec517b401ee
```

AGENT GROUPS

GET ALL AGENT GROUPS

Shows all registered agent groups on the TrueFort appliance.

Definition

GET `https://<Appliance IP>/kotoba/rest/v1.0/agentgroups/all`

Parameters

None

Response Sample

```
[{
  "groupid": "9e41d590-28bf-11e9-82c3-5d73f86a24ff",
  "agents": ["176969e3-9f53-311f-aead-8b8e7b8ecf98",
"216c424d-a860-3ec7-b7e0-19ea7b1fbd1b", "2eb0d884-28bc-334c-80a2-
22d57070d8ac", "40e1413a-34d0-3d32-bad6-9528ed71b39a", "43f730d3-d47f-
3572-a3b1-b399f89b1189", "70e62119-4e32-36f8-9386-2abd70eec921",
"874867df-6f09-3654-8a12-5618992d5a24", "8fd973c0-da28-3446-96f9-
d28224ce0566", "d3cb989d-b274-3074-bd94-ed44b0402d39", "e701aa76-cd07-
3414-82f0-c4b30cdd3e6c"],
  "createTime": "2019-02-04T20:58:27.000Z",
  "description": "Longrun Linux Group",
  "lastupdate": "2019-03-08T17:36:37.000Z",
  "team": "30084152-5ddc-3079-a765-dbbcd58f2391",
  "name": "Longrun Linux Group",
  "updatedBy": "admin",
  "pluginStr":
  "[{\\"name\\":\\"packageinfo\\",\\"collectionTrigger\\":\\"SIMPLE\\",\\"collect
ionExpression\\":\\"0 0 0/1 * *
*\\",\\"collectionInterval\\":1,\\"publishTrigger\\":\\"CRON\\",\\"publishInte
rval\\":1,\\"publishExpression\\":\\"0 1 0/1 * *
*\\",\\"timeUnit\\":\\"HOURS\\",\\"agentid\\":\\"f47eb74e-7739-37ee-9015-
ddf8b989d5c2\\",\\"enabled\\":true},{\\"name\\":\\"filesysteminfo\\",\\"collec
tionTrigger\\":\\"SIMPLE\\",\\"collectionExpression\\":\\"45 * * * *
...

```

Example

The following call would be used to display a list of all the agent groups registered on a TrueFort appliance at "xxx.x.xxx.xx":

GET `https://xxx.x.xxx.xx/kotoba/rest/v1.0/agentgroups/all`

GET AGENT GROUP

Displays general information pertaining to a specified agent group.

Definition

GET `https://<Appliance IP>/kotoba/rest/v1.0/agentgroups/{groupid}`

Parameters

Name	Required	Type	Description	Example
groupid	Yes	UUID	ID of a group to display information for.	c89eaf80-393a-11e9-b466-4f75a6686268

Response Sample

```
{
  "groupid": "f5ab5c50-04a3-11ea-bdd6-e5444eadf9cd",
  "createTime": "2019-11-11T16:54:43.605Z",
  "description": "External Test Group",
  "lastupdate": "2019-11-11T16:54:43.608Z",
  "team": "30084152-5ddc-3079-a765-dbbcd58f2391",
  "name": "TestExternalOPGroupTh1",
  "updatedBy": "admin",
  ...
}
```

Example

The following call would be used to view information pertaining to an agent group with an ID of “c89eaf80-393a-11e9-b466-4f75a6686268”:

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/agentgroups/c89eaf80-393a-11e9-b466-4f75a6686268
```

CREATE/UPDATE AGENT GROUP

Creates a new agent group or updates an existing agent group.

Definition

POST `https://<Appliance IP>/kotoba/rest/v1.0/agentgroups/create`

Request Body

```
{
  "name": "<Group Name>",
  "domain": "<Domain Name>",
  "description": "<Group Description>",
  "version": "<Agent Version>",
}
```

Parameters

Name	Required	Type	Description	Example
name	Yes	String	Name of the newly created Agent Group.	New Agent Group
domain	Yes	String	Name of the domain to assign the new Agent Group to.	Sample Domain
description	Yes	String	Description of the new Agent Group.	This creates a new Agent Group
version	Yes	String	Agent Version for the new Agent Group.	2-89

Response Sample

```
{
  "success": true,
  "status": "OK",
  "description": "",
  "message": ""
}
```

Example

The following call would be used to create a new Agent Group named “New Agent Group” belonging to the “Sample Domain” domain, with the description “This creates a new Agent Group” and agent version “2-89”:

POST <https://xxx.x.xxx.xx/kotoba/rest/v1.0/agentgroups/create>

Request Body

```
{
  "name": "New Agent Group",
  "domain": "Sample Domain",
  "description": "This creates a new Agent Group",
  "version": "2-89",
  "groupid": null
}
```

DELETE AGENT GROUP

Deletes a specified agent group.

Definition

POST <https://<Appliance IP>/kotoba/rest/v1.0/agentgroups/delete>

Request Body


```
[ "<groupid>" ]
```

Parameters

Name	Required	Type	Description	Example
groupid	Yes	UUID	ID of the agent group to delete.	ecae27c0-7274-11e9-9337-5d64ae5c07a7

Response Sample

```
{  
  "success": true,  
  "status": "OK",  
  "description": "",  
  "message": ""  
}
```

Example

The following call would be used to delete an agent group with an ID of “ecae27c0-7274-11e9-9337-5d64ae5c07a7”:

```
POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/agentgroups/delete
```

Request Body

```
[ "ecae27c0-7274-11e9-9337-5d64ae5c07a7" ]
```

GET AGENTS ASSIGNED TO AN AGENT GROUP

Displays a list of the agents assigned to a specified agent group.

Definition

```
GET https://<Appliance IP>/kotoba/rest/v1.0/agentgroups/{groupid}/agents
```

Parameters

Name	Required	Type	Description	Example
groupid	Yes	UUID	ID of a group to display assigned agents for.	41667a70-5ba4-11e9-8b3d-77cb5333c2f1

Response Sample

```
[ {  
  "agentid": "b7bcb5b3-6cd2-3c3a-8416-a5b4f6e19b45",  
  "fqdn": "DESKTOP-JISGDEF",  
  "ipAddress": "10.179.144.244",  
  "status": "REQUEST_GRANTED",  
}
```

```

    "version": "2020",
    "groupid": "41667a70-5ba4-11e9-8b3d-77cb5333c2f1",
    "createTime": "2019-05-09T15:50:46.511Z",
    "lastUpdate": "2019-05-10T19:48:09.039Z",
    "operatingSystem": "Win32",
    "osVersion": "10.0",
    "systemArchitecture": "x86",
    "opts":
  [{"AGENTHEALTH\":"{"SYSCTL\":"{"lastPublishTime\":"15575
17668067\","lastCollectedTime\":"1557517668067\","plugi
nName\":"SYSCTL\","status\":"RUNNING\"},"CHECKSUM\
\":"{"lastPublishTime\":"1557517665002\","lastCollectedTi
me\":"1557517665002\","pluginName\":"CHECKSUM\","s
tatus\":"RUNNING\"},"NETWORK\":"{"lastPublishTime\":"15
57517685001\","lastCollectedTime\":"1557517685001\","\\
\":"pluginName\":"NETWORK\","status\":"RUNNING\"},"S
YSINFO\":"{"lastPublishTime\":"1557514800035\","lastColl
ectedTime\":"1557514800035\","pluginName\":"SYSINFO\
\","status\":"RUNNING\"},"LOCALACCOUNT\":"{"lastPublish
Time\":"1557514800229\","lastCollectedTime\":"155751480
0229\","pluginName\":"LOCALACCOUNT\","status\":"RU
NNING\"},"CPUINFO\":"{"lastPublishTime\":"1557517637001\
\","lastCollectedTime\":"1557517637001\","\\
...

```

Example

The following call would be used to display a list of the agents assigned to a group with an ID of “41667a70-5ba4-11e9-8b3d-77cb5333c2f1”:

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/agentgroups/41667a70-5ba4-11e9-8b3d-77cb5333c2f1/agents
```

GET TEAMS ASSIGNED TO AN AGENT GROUP

Displays a list of the teams assigned to a specified agent group.

Definition

```
GET https://<Appliance IP>/kotoba/rest/v1.0/agentgroups/{groupid}/teams
```

Parameters

Name	Required	Type	Description	Example
groupid	Yes	UUID	ID of a group to display assigned teams for.	41667a70-5ba4-11e9-8b3d-77cb5333c2f1

Response Sample

```
{
  "name": "Bushido Admin Team",
  "members": [{
    "role": "TEAM_ADMIN",
    "key": {
      "userid": "admin"
    },
    "firstName": "Admin",
    "lastName": "User",
    "teams": [],
    "teamObjs": [],
    "appObjs": []
  }
]
```

Example

The following call would be used to view a list of teams assigned to an agent group with an ID of "41667a70-5ba4-11e9-8b3d-77cb5333c2f1":

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/agentgroups/41667a70-5ba4-11e9-8b3d-77cb5333c2f1/teams
```

GET AGENT GROUP PLUGIN DETAILS

Displays the plugin details associated with a specified agent group.

Definition

```
GET https://<Appliance IP>/kotoba/rest/v1.0/agentgroups/{groupid}/plugins
```

Parameters

Name	Required	Type	Description	Example
groupid	Yes	UUID	ID of a group to display plugin details for.	41667a70-5ba4-11e9-8b3d-77cb5333c2f1

Response Sample

```
{
  "name": "sshd",
  "collectionTrigger": "SIMPLE",
  "collectionExpression": "57 * * * * *",
  "collectionInterval": 1,
  "publishTrigger": "CRON",
  "publishInterval": 1,
  "publishExpression": "0 1 0/1 * * *",
```

```

    "timeUnit": "HOURS",
    "agentid": "f47eb74e-7739-37ee-9015-ddf8b989d5c2",
    "enabled": true
  }, {
    "name": "filesysteminfo",
    "collectionTrigger": "SIMPLE",
    "collectionExpression": "47 * * * * *",
    "collectionInterval": 60,
    "publishTrigger": "CRON",
    "publishInterval": 1,
    "publishExpression": "55 * * * * *",
    "timeUnit": "SECONDS",
    "agentid": "f47eb74e-7739-37ee-9015-ddf8b989d5c2",
    "enabled": true
  }, {
    "name": "cpu",
    "collectionTrigger": "SIMPLE",
    "collectionExpression": "30 0/5 * * * *",
    ...

```

Example

The following call would be used to view the plugin details for an agent group with an ID of “41667a70-5ba4-11e9-8b3d-77cb5333c2f1”:

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/agentgroups/41667a70-5ba4-11e9-8b3d-77cb5333c2f1/plugins
```

GET AGENT GROUP PROPERTIES

Displays properties pertaining to a specified agent group.

Definition

```
GET https://<Appliance IP>/kotoba/rest/v1.0/agentgroups/{groupid}/properties
```

Parameters

Name	Required	Type	Description	Example
groupid	Yes	UUID	ID of a group to display plugin details for.	41667a70-5ba4-11e9-8b3d-77cb5333c2f1

Response Sample

```

{
  "success": true,
  "data": {
    "General": {

```

```

    "agent.ip.logic": "default_router",
    "ssl.keystore.location":
"BUSHIDO_HOME/cert/server.keystore.jks",
    "publisher.topic": "metric",
    "file.content.plugin.path":
"/boot/grub*/grub.cfg,/boot/grub2/user.cfg,/etc/audit/auditd.conf,/etc/audit/
audit.rules,/etc/chrony.conf,/etc/chrony/chrony.conf,/etc/hosts.allow,/etc/ho
sts.deny,/etc/inetd.*,/etc/login.defs,/etc/motd,/etc/ntp.conf,/etc/rsyslog.co
nf,/etc/rsyslog.d/*.conf,/etc/rsyslog.d/*.conf,/etc/security/pwquality.conf,/
etc/selinux/config,/etc/ssh/ssh_config,/etc/syslog-ng/syslog-
ng.conf,/etc/pam.d/system-auth,/etc/pam.d/password-auth,/etc/pam.d/common-
password,/etc/profile,/etc/*bashrc,/etc/security/limits.conf,/etc/security/li
mits.d/*",
    "value.serializer":
"org.apache.kafka.common.serialization.StringSerializer",
    "agentmanager.properties":
"agent.retry.threshold.time.ms,call.home.period,agent.auto.restart.ms,api.tim
eout.ms,manifest.task.start.ms,performance.delay.ms,version",
    "file.scan.plugin.path":
"/boot/grub*/grub.cfg,/etc/motd,/etc/issue,/etc/issue.net,/etc/hosts.all
...

```

Example

The following call would be used to view the properties of an agent group with an ID of “41667a70-5ba4-11e9-8b3d-77cb5333c2f1”:

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/agentgroups/41667a70-5ba4-11e9-8b3d-77cb5333c2f1/properties
```

ASSIGN TEAM TO AGENT GROUP

Assigns a team to a specified agent group.

Definition

```
PUT https://<Appliance
IP>/kotoba/rest/v1.0/agentgroups/{groupid}/teams/assign/{teamid}
```

Request Body

None

Parameters

Name	Required	Type	Description	Example
------	----------	------	-------------	---------

groupid	Yes	UUID	ID of an agent group to assign a team to.	41667a70-5ba4-11e9-8b3d-77cb5333c2f1
teamid	Yes	UUID	ID of the team to assign.	30084152-5ddc-3079-a765-dbbcd58f2391

Response Sample

```
{
  "success": true,
  "status": "OK",
  "description": "",
  "message": ""
}
```

Example

The following call would be used to assign a team with an ID of “30084152-5ddc-3079-a765-dbbcd58f2391” to an Agent Group with an ID of “41667a70-5ba4-11e9-8b3d-77cb5333c2f1”:

```
POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/agentgroups/41667a70-5ba4-11e9-8b3d-77cb5333c2f1/teams/assign/30084152-5ddc-3079-a765-dbbcd58f2391
```

ASSIGN AGENT TO AGENT GROUP

Assigns an agent to a specified agent group.

Definition

```
POST https://<Appliance IP>/kotoba/rest/v1.0/agentgroups/{groupid}/agents/assign
```

Request Body

```
[ "<agentid>" ]
```

Parameters

Name	Required	Type	Description	Example
groupid	Yes	UUID	ID of a group to assign an agent to.	41667a70-5ba4-11e9-8b3d-77cb5333c2f1
agentid	Yes	UUID	ID of the agent to assign.	c4f8afeb-3a40-3bc2-82e0-afbd54ff1336

Response Sample

```
{
```



```

    "success": true,
    "status": "OK",
    "description": "",
    "message": ""
}

```

Example

The following call would be used to assign an agent with an ID of “c4f8afeb-3a40-3bc2-82e0-afbd54ff1336” to an agent group with an ID of “41667a70-5ba4-11e9-8b3d-77cb5333c2f1”:

```
POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/agentgroups/41667a70-5ba4-11e9-8b3d-77cb5333c2f1/agents/assign/
```

Request Body

```
["c4f8afeb-3a40-3bc2-82e0-afbd54ff1336"]
```

MOVE AGENT TO AGENT GROUP

Reassigns an agent from one agent group to another.

Definition

```
POST https://<Appliance IP>/kotoba/rest/v1.0/agentgroups/{groupid}/agents/move?domain=<domain>
```

Request Body

```
["<agentid>"]
```

Parameters

Name	Required	Type	Description	Example
groupid	Yes	UUID	ID of a group to move an agent to.	41667a70-5ba4-11e9-8b3d-77cb5333c2f1
domain	Yes	String	Name of the domain to move the agent to.	BUSHIDO-GENERAL
agentid	Yes	UUID	ID of the agent to move.	c4f8afeb-3a40-3bc2-82e0-afbd54ff1336

Response Sample

```

{
    "success": true,
    "status": "OK",
    "description": "",
    "message": ""
}

```

Example

The following call would be used to move an agent with an ID of "c4f8afeb-3a40-3bc2-82e0-afbd54ff1336" from the agent group it was assigned to over to another agent group with an ID of "41667a70-5ba4-11e9-8b3d-77cb5333c2f1" in the "BUSHIDO-GENERAL" domain:

```
POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/agentgroups/41667a70-5ba4-11e9-8b3d-77cb5333c2f1/agents/move?domain=BUSHIDO-GENERAL
```

Request Body

```
["c4f8afeb-3a40-3bc2-82e0-afbd54ff1336"]
```

UNASSIGN AGENT FROM AGENT GROUP

Unassigns an agent from a specified agent group.

Definition

```
POST https://<Appliance IP>/kotoba/rest/v1.0/agentgroups/{groupid}/agents/unassign
```

Request Body

```
["<agentid>"]
```

Parameters

Name	Required	Type	Description	Example
groupid	Yes	UUID	ID of a group to unassign an agent from.	41667a70-5ba4-11e9-8b3d-77cb5333c2f1
agentid	Yes	UUID	ID of the agent to unassign.	c4f8afeb-3a40-3bc2-82e0-afbd54ff1336

Response Sample

```
{
  "success": true,
  "status": "OK",
  "description": "",
  "message": ""
}
```

Example

The following call would be used to unassign an agent with an ID of "c4f8afeb-3a40-3bc2-82e0-afbd54ff1336" from an agent group with an ID of "41667a70-5ba4-11e9-8b3d-77cb5333c2f1":

```
POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/agentgroups/41667a70-5ba4-11e9-8b3d-77cb5333c2f1/agents/unassign
```

Request Body


```
["c4f8afeb-3a40-3bc2-82e0-afbd54ff1336"]
```

ROLE DEFINITION

GET ROLE DEFINITIONS BY APPLICATION

Displays a list of all Role Definitions registered for a specified application.

Definition

GET https://<Appliance IP>/kotoba/rest/v1.0/applications/{appid}/roledefinitions/all

Parameters

Name	Required	Type	Description	Example
appid	Yes	UUID	ID of an application to display Role Definitions for.	18bf9576-38e2-3e9c-9da7-b68869e16674

Response Sample

```
[{
  "key": {
    "appId": "452e5c60-10e2-3f0d-89c5-b4c33e9cc906",
    "rdId": "ee6870d0-bdf5-11e9-87a8-d1078c3cfb21",
    "state": "DRAFT"
  },
  "name": "newname",
  "nodeClassifier": "node window",
  "roleNameExp": "sfs",
  "roles": [],
  "priority": 3,
  "createTime": "2019-08-13T18:12:37.595Z",
  "lastUpdate": "2019-08-13T18:12:37.595Z",
  "updatedby": "admin"
}, {
  "key": {
    "appId": "452e5c60-10e2-3f0d-89c5-b4c33e9cc906",
    "rdId": "6708fa00-bad6-11e9-a0e9-c7387199b544",
    "state": "DRAFT"
  },
  "name": "2",
  "nodeClassifier": "testN",
  "roleNameExp": "REx2\n",
  "roles": [],
  "priority": 2,
  ...
```

Example

The following call would be used to view the RDs registered for an application with an ID of "18bf9576-38e2-3e9c-9da7-b68869e16674":

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/applications/18bf9576-38e2-3e9c-9da7-b68869e16674/roledefinitions/all
```

GET ROLE DEFINITION

Displays general information pertaining to a specified Role Definition.

Definition

```
GET https://<Appliance  
IP>/kotoba/rest/v1.0/applications/{appid}/roledefinitions/{rdname}/state/{state}
```

Parameters

Name	Required	Type	Description	Example
appid	Yes	UUID	ID of the application the specified RD belongs to.	18bf9576-38e2-3e9c-9da7-b68869e16674
rdname	Yes	String	Name of an RD to view information for.	ee6870d0-bdf5-11e9-87a8-d1078c3cfb21
state	Yes	String	State of the RD to view information for.	DRAFT/DEPLOYED

Response Sample

```
{  
  "success": true,  
  "data": {  
    "key": {  
      "appId": "452e5c60-10e2-3f0d-89c5-b4c33e9cc906",  
      "rdId": "ee6870d0-bdf5-11e9-87a8-d1078c3cfb21",  
      "state": "DRAFT"  
    },  
    "name": "newname",  
    "nodeClassifier": "node window",  
    "roleNameExp": "sfs",  
    "roles": [],  
    "priority": 3,  
    "createTime": "2019-08-13T18:12:37.595Z",  
    "lastUpdate": "2019-08-13T18:12:37.595Z",  
    "updatedby": "admin"  
  }  
}
```

```
}
```

Example

The following call would be used to view information pertaining to a draft RD named "RD1" assigned to an application with an ID of "18bf9576-38e2-3e9c-9da7-b68869e16674":

```
GET https://xxx.x.xxx.xx/kotoba/rest/v1.0/applications/18bf9576-38e2-3e9c-9da7-b68869e16674/roledefinitions/RD1/state/DRAFT
```

CREATE/UPDATE ROLE DEFINITION

Creates a new Role Definition or updates an existing Role Definition.

Definition

```
POST https://<Appliance IP>/kotoba/rest/v1.0/roledefinitions/create
```

Request Body

```
{
  "key": {
    "appId": "<appid>",
    "state": "<state>"
  },
  "name": "<name>",
  "roleNameExp": "<rolenameexpression>"
}
```

Parameters

Name	Required	Type	Description	Example
appId	Yes	UUID	ID of the application to create a new RD for.	18bf9576-38e2-3e9c-9da7-b68869e16674
state	Yes	String	State of the RD to create or edit.	DRAFT
Name	Yes	String	Name of the RD to create or edit.	RD1
roleNameExp	Yes	String	Name for the Role created by the RD.	ADSERVER

Response Sample

```
{
  "success": true,
  "data": {
    "key": {
      "appId": "452e5c60-10e2-3f0d-89c5-b4c33e9cc906",
      "state": "DRAFT"
    }
  }
}
```

```

    },
    "name": "RD1",
    "nodeClassifier": "gtestapp::RD1::DRAFT",
    "roleNameExp": "ADSERVER",
    "roles": [],
    "priority": 0,
    "updatedby": "admin"
  }
}

```

Example

The following call would be used to create a new draft RD for an application with an ID of "18bf9576-38e2-3e9c-9da7-b68869e16674" named "RD1" with a Role Name Expression of "ADSERVER":

POST <https://xxx.x.xxx.xx/kotoba/rest/v1.0/roledefinitions/create>

Request Body

```

{
  "key": {
    "appId": "18bf9576-38e2-3e9c-9da7-b68869e16674",
    "state": "DRAFT"
  },
  "name": "RD1",
  "roleNameExp": "ADSERVER"
}

```

DELETE ROLE DEFINITION

Deletes a specified Role Definition.

Definition

POST <https://<Appliance IP>/kotoba/rest/v1.0/roledefinitions/delete>

Request Body

```

[ {
  "key": {
    "appId": "<appid>",
    "rdId": "<rdid>",
    "state": "<state>"
  }
}
]

```

Parameters

Name	Required	Type	Description	Example
------	----------	------	-------------	---------

appId	Yes	UUID	ID of the application the specified RD is assigned to.	18bf9576-38e2-3e9c-9da7-b68869e16674
rdId	Yes	UUID	ID of the RD to delete.	ee6870d0-bdf5-11e9-87a8-d1078c3cfb21
state	Yes	String	State of the RD to delete.	DRAFT

Response Sample

```
{
  "success": true
}
```

Example

The following call would be used to delete a draft Role Definition with an ID of “ee6870d0-bdf5-11e9-87a8-d1078c3cfb21” assigned to an application with an ID of “18bf9576-38e2-3e9c-9da7-b68869e16674”:

POST <https://xxx.x.xxx.xx/kotoba/rest/v1.0/roledefinitions/delete>

Request Body

```
[{
  "key": {
    "appId": "18bf9576-38e2-3e9c-9da7-b68869e16674",
    "rdId": "ee6870d0-bdf5-11e9-87a8-d1078c3cfb21",
    "state": "DRAFT"
  }
}]
```

DEPLOY ROLE DEFINITION

Deploys a specified Role Definition.

Definition

POST <https://<Appliance IP>/kotoba/rest/v1.0/roledefinitions/deploy>

Request Body

```
[{
  "key": {
    "appId": "<appid>",
    "rdId": "<rdid>",
    "state": "<state>"
  }
}]
```

Parameters

Name	Required	Type	Description	Example
appId	Yes	UUID	ID of the application to deploy the specified RD to.	18bf9576-38e2-3e9c-9da7-b68869e16674
rdId	Yes	UUID	ID of the RD to deploy.	ee6870d0-bdf5-11e9-87a8-d1078c3cfb21
state	Yes	String	State of the RD to deploy.	DRAFT

Response Sample

```
{
  "success": true
}
```

Example

The following call would be used to deploy a draft RD with an ID of "ee6870d0-bdf5-11e9-87a8-d1078c3cfb21" to an application with an ID of "18bf9576-38e2-3e9c-9da7-b68869e16674":

```
POST https://xxx.x.xxx.xx/kotoba/rest/v1.0/roledefinitions/deploy
```

Request Body

```
[{
  "key": {
    "appId": "18bf9576-38e2-3e9c-9da7-b68869e16674",
    "rdId": "ee6870d0-bdf5-11e9-87a8-d1078c3cfb21",
    "state": "DRAFT"
  }
}]
```

UNDEPLOY ROLE DEFINITION

Undeploys a specified Role Definition.

Definition

```
POST https://<Appliance IP>/kotoba/rest/v1.0/roledefinitions/undeploy
```

Request Body

```
[{
  "key": {
    "appId": "<appid>",
    "rdId": "<rdid>",
    "state": "<state>"
  }
}]
```

```

    },
    "overwrite": <true/false>
  }
]

```

Parameters

Name	Required	Type	Description	Example
appId	Yes	UUID	ID of the application to deploy the specified RD to.	18bf9576-38e2-3e9c-9da7-b68869e16674
rdId	Yes	UUID	ID of the RD to deploy.	ee6870d0-bdf5-11e9-87a8-d1078c3cfb21
state	Yes	String	State of the RD to deploy.	DRAFT
overwrite	Yes	Boolean	Designate "true" to overwrite an existing draft of the deployed RD. Designate "false" to undeploy without overwriting. The undeployed RD will not be saved.	true/false

Response Sample

```

{
  "success": true
}

```

Example

The following call would be used to undeploy a deployed RD with an ID of "ee6870d0-bdf5-11e9-87a8-d1078c3cfb21" from an application with an ID of "ee6870d0-bdf5-11e9-87a8-d1078c3cfb21" and overwrite the draft version of it currently being saved.

POST <https://xxx.x.xxx.xx/kotoba/rest/v1.0/roledefinitions/undeploy>

```

[ {
  "key": {
    "appId": "18bf9576-38e2-3e9c-9da7-b68869e16674",
    "rdId": "ee6870d0-bdf5-11e9-87a8-d1078c3cfb21",
    "state": "DEPLOYED"
  },
  "overwrite": true
} ]

```



GLOBAL APDS

DELETE GLOBAL APD

Deletes a specified Global APD.

Definition

POST <https://<Appliance IP>/kotoba/rest/v1.0/globalapds/deleteglobalapd>

Request Body

```
[{
    "metricType": "<type>",
    "name": "<name>",
    "team": "<team>"
}]
```

Parameters

Name	Required	Type	Description	Example
metrictype	Yes	String	Global APD type.	NETWORK/PROCESS
name	Yes	String	Name of the Global APD to delete.	externaltestapd
team	Yes	UUID	ID of the team assigned to the specified Global APD.	30084152-5ddc-3079-a765-dbbcd58f2391

Response Sample

```
{
    "success": true,
    "message": {
        "message": "Deleted Successfully",
        "code": "S"
    }
}
```

Example

The following call would be used to delete a Global Process APD named "externaltestapd" with a team with an ID of "30084152-5ddc-3079-a765-dbbcd58f2391" assigned to it:

POST <https://xxx.x.xxx.xx/kotoba/rest/v1.0/globalapds/deleteglobalapd>

Request Body

```
[{
    "metricType": "PROCESS",
    "name": "externaltestapd",
```



```

        "team": "30084152-5ddc-3079-a765-dbbcd58f2391"
    }
]

```

IMPORT GLOBAL APD

Imports a specified Global APD configuration.

Definition

<https://<Appliance IP>/kotoba/rest/v1.0/globalapds/importfile>

Content-Type

multipart/form-data; boundary=boundary_sample_text

Request Body

```

--boundary_sample_text
Content - Disposition: form - data;
name = "jsonObject"
    Content - Type: application / json
    Content - Transfer - Encoding: binary
    {
        "name": "<globalapdname>",
        "team": "<team>",
        "type": "<type>"
    }
--boundary_sample_text
Content - Disposition: form - data;
name = "glbAPDFileImport"
    Content - Type: application / json
    Content - Transfer - Encoding: binary

    [{
        "isGlobal": false,
        "isDisabled": <true/false>,
        "priority": <rulepriority>,
        "ruleMap": {
            "command": {
                "values": [
                    "<command>"
                ],
                "isDisabled": <true/false>
            },
            "arguments": {
                "values": [
                    "<arguments>"
                ],
                "isDisabled": <true/false>
            },
        }
    ],

```



```

    "executable": {
      "values": [
        "<executable>"
      ],
      "isDisabled": <true/false>
    },
    "user": {
      "values": [
        "<user>"
      ],
      "isDisabled": <true/false>
    },
    "threads": {
      "values": [
        "<threads>"
      ],
      "isDisabled": <true/false>
    },
    "cpu": {
      "values": [
        "<cpu>"
      ],
      "isDisabled": <true/false>
    },
    "fd": {
      "values": [
        "<fd>"
      ],
      "isDisabled": <true/false>
    },
    "scheduler": {
      "values": [
        "<CRONAPDSchedule>"
      ],
      "isDisabled": <true/false>
    }
  },
  "metricType": "<NETWORK/PROCESS>"
}
]
}

```

--boundary_sample_text--

Parameters

Name	Required	Type	Description	Example
name	Yes	String	Global APD name.	TeamExternalGlobalAPDTh1

team	Yes	String	ID of the team to assign to the Global APD.	8c14f93b-52cf-3da1-93d5-85710c6eb62b
type	Yes	String	Global APD type.	NETWORK/PROCESS
metrictype	Yes	String	Global APD type.	NETWORK/PROCESS

Response

-

Example

<https://xxx.xx.xxx.x/kotoba/rest/v1.0/globalapds/importfile>

Request Body

```
--boundary_sample_text
Content - Disposition: form - data;
name = "jsonObject"
  Content - Type: application / json
  Content - Transfer - Encoding: binary
  {
    "name": "TestExternalGlobalAPDTh1",
    "team": "8c14f93b-52cf-3da1-93d5-85710c6eb62b",
    "type": "PROCESS"
  }
--boundary_sample_text
Content - Disposition: form - data;
name = "glbAPDFileImport"
  Content - Type: application / json
  Content - Transfer - Encoding: binary

  [{
    "isGlobal": true,
    "isDisabled": false,
    "priority": 1,
    "ruleMap": {
      "command": {
        "values": ["0anacron"],
        "isDisabled": false,
        "type": "string",
        "isValid": true
      },
      "arguments": {
        "values": ["/bin/(ba)?sh
/etc/cron\\.hourly/0anacron ?"],
        "isDisabled": false,
        "type": "string",
        "isValid": true
      }
    }
  }]
```

```

    },
    "executable": {
      "values": ["(/usr)?/bin/bash?"],
      "isDisabled": false,
      "type": "string",
      "isValid": true
    },
    "user": {
      "values": ["root"],
      "isDisabled": false,
      "type": "string",
      "isValid": true
    },
    "threads": {
      "values": [],
      "isDisabled": true,
      "type": "string",
      "isValid": true
    },
    "cpu": {
      "values": [],
      "isDisabled": true,
      "type": "string",
      "isValid": true
    },
    "fd": {
      "values": [],
      "isDisabled": true,
      "type": "string",
      "isValid": true
    },
    "scheduler": {
      "expressions": [],
      "values": ["* * * * *"],
      "isDisabled": false,
      "type": "string",
      "isValid": true
    }
  },
  "metricType": "PROCESS"
}
]
--boundary_sample_text--

```

EXPORT GLOBAL APD

Exports a specified Global APD to a JSON file.



Definition

POST <https://<Appliance IP>/kotoba/rest/v1.0/globalapds/exportfile?name=<name>&type=<type>&teamid=<teamid>>

Request Body

None

Parameters

Name	Required	Type	Description	Example
name	Yes	String	Name of the Global APD to delete.	externaltestapd
type	Yes	String	Global APD type.	NETWORK/PROCESS
team	Yes	UUID	ID of the team assigned to the specified Global APD.	30084152-5ddc-3079-a765-dbbcd58f2391

Response Sample

-

Example

The following call would be used to export a Global Process APD named “externaltestapd” assigned to a team with an ID of “30084152-5ddc-3079-a765-dbbcd58f2391”:

```
POST
https://xxx.x.xxx.xx/kotoba/rest/v1.0/globalapds/exportfile?name=externaltestapd&type=PROCESS&teamid=30084152-5ddc-3079-a765-dbbcd58f2391
```

APDS

IMPORT APD

Imports a specified APD configuration.

Definition

POST <https://<Appliance IP>/kotoba/rest/v1.0/apds/importfile>

Request Body

```
{
  "globalAPDs": [
    ],
  ],
```

```

"rules": [{
  "isGlobal": false,
  "isDisabled": <true/false>,
  "priority": <rulepriority>,
  "ruleMap": {
    "command": {
      "values": [
        "<command>"
      ],
      "isDisabled": <true/false>
    },
    "arguments": {
      "values": [
        "<arguments>"
      ],
      "isDisabled": <true/false>
    },
    "executable": {
      "values": [
        "<executable>"
      ],
      "isDisabled": <true/false>
    },
    "user": {
      "values": [
        "<user>"
      ],
      "isDisabled": <true/false>
    },
    "threads": {
      "values": [
        "<threads>"
      ],
      "isDisabled": <true/false>
    },
    "cpu": {
      "values": [
        "<cpu>"
      ],
      "isDisabled": <true/false>
    },
    "fd": {
      "values": [
        "<fd>"
      ],
      "isDisabled": <true/false>
    },
    "scheduler": {
      "values": [
        "<CRONAPDSchedule>"
      ]
    }
  }
}

```



```

        ],
        "isDisabled": <true/false>
    },
    },
    "metricType": "<NETWORK/PROCESS>"
}
]
}

```

Parameters

Name	Required	Type	Description	Example
isDisabled	Yes	Boolean	Designate "true" to disable the imported APD.	false
priority	Yes	String	Numerical priority of the imported APD.	6
metricType	Yes	String	NETWORK or PROCESS	NETWORK

Each category in the **rulemap** section of the request body has the following parameters:

- **Values**, describing the whitelisted category behavior (with this exception of the "scheduler" category)
- **isDisabled**, describing whether the category is enabled or disabled.

The categories are as follows:

- `command` – Commands.
- `arguments` – Arguments.
- `executable` – Executables.
- `user` – User identities.
- `threads` – Threads.
- `cpu` – CPU utilization.
- `fd` – File descriptors.
- `scheduler` – CRON schedule for the whitelisted behavior.

Response

-

Example

POST <https://xxx.xx.xxx.x/kotoba/rest/v1.0/apds/importfile>

Request Body

```

[ {
    "isGlobal": false,

```

```

"isDisabled": true,
"priority": 6,
"ruleMap": {
  "command": {
    "values": [
      "wfl"
    ],
    "isDisabled": false
  },
  "arguments": {
    "values": [

    ],
    "isDisabled": true
  },
  "executable": {
    "values": [

    ],
    "isDisabled": true
  },
  "user": {
    "values": [

    ],
    "isDisabled": true
  },
  "threads": {
    "values": [

    ],
    "isDisabled": true
  },
  "cpu": {
    "values": [

    ],
    "isDisabled": true
  },
  "fd": {
    "values": [
      "6-9"
    ],
    "isDisabled": false
  },
  "scheduler": {
    "values": [
      "* * * * * *"
    ],
    "isDisabled": false
  }
}

```




```

    }
  },
  "metricType": "PROCESS"
}
]

```

EXPORT APD

Exports a specified APD to a JSON file.

Definition

GET https://<Appliance IP>/kotoba/rest/v1.0/apds/exportfile?appname=<name>&state=<state>&identifier=<role>&type=<type>&roletype=<roletype>&isminify=<true/false>

Request Body

None

Parameters

Name	Required	Type	Description	Example
appname	Yes	String	Name of the application the APD has been configured for.	externalappl
state	Yes	String	State of the APD.	DRAFT/DEPLOYED
identifier	Yes	String	Name of the Role the APD has been configured for.	AD_SERVER
type	Yes	String	APD type.	NETWORK/PROCESS
roletype	Yes	String	Designate "AGENTROLE" if the APD was configured for a Server Role. Designate "RD" if the APD was configured for an RD.	AGENTROLE/RD
isminify	Yes	Boolean	Designate "true" to export in a minified JSON format. Designate "false" for a normal JSON format.	true/false

Response Sample

-

Example

The following call would be used to export a process APD in the draft state configured for the “AD SERVER” Server Role in an application named “externalapp1”. The resulting JSON file will not be in a minified format.

GET

```
https://xxx.x.xxx.xx/kotoba/rest/v1.0/apds/exportfile?appname=externalapp1&state=DRAFT&identifier=AD%20SERVER&type=PROCESS&roletype=AGENTROLE&isminify=false
```

RULEPACKS

ASSIGN RULEPACK

Assigns rules from a specified Rulepack to an application.

Definition

POST <https://<Appliance IP>/kotoba/rest/v1.0/applications/rulepacks/assign>

Request Body

```
[{
  "appIds": ["<appid>"],
  "appRulePacks": [{
    "rulePackId": "<rulepackid>",
    "desc": "<rulepackdescription>",
    "version": "<version>",
    "state": "<state>",
    "profileType": ["GENERAL"],
    "category": "<rulepackcategory>",
    "assignRules": [{
      "ruleid": "<ruleid>",
      "metaData": [{
        "key": {
          "keyName":
            "<metadatakey>"
          "description":
            "<metadatadescription>",
          "value": "<metadatavalue>"
        }
      ],
      "workFlow": "<workflow>"
    }
  ]
}]
```

```

    ],
    "role": "<role>",
    "type": "<AGENTROLE/RD>"
  }
]

```

Parameters

Name	Required	Type	Description	Example
appIds	Yes	UUID	ID of an application to assign a Rulepack to.	70cac4f9-ceca-3522-b076-9bbc572e9703
rulePackID	Yes	UUID	ID of the Rulepack to assign rules from.	99d5e370-5f2c-11e6-a27f-db2318584f13
desc	Yes	String	Description (name) of the Rulepack.	Process
version	Yes	String	Rulepack version.	4215
state	Yes	String	Rulepack state.	prod/nonprod
category	Yes	String	Rulepack category.	PROCESS
ruleid	Yes	UUID	ID of a rule to assign.	cd258769-bb22-4a77-aae3-10b14d21c6a8
keyName	Yes	String	Metadata key name.	processwithdifferentargument
description	Yes	String	Metadata key description.	Severity of process with different argument
value	Yes	String	Metadata value.	NORMAL
workFlow	Yes	String	Workflow. Designate "No Workflow" if none.	No Workflow
role	Yes	String	Server Role of the application to assign Rules to.	AD SERVER
type	Yes	String	AGENTROLE/RD.	AGENTROLE

Response Sample

```

{
  "success": true
}

```

Example

The following call would be used to assign two separate rules from a Rulepack with an ID of “99d5e370-5f2c-11e6-a27f-db2318584f13” to the “AD SERVER” Server Role of an application with an ID of “70cac4f9-ceca-3522-b076-9bbc572e9703”:

POST <https://xxx.x.xxx.xx/kotoba/rest/v1.0/applications/rulepacks/assign>

Request Body

```
[{
  "appIds": ["70cac4f9-ceca-3522-b076-9bbc572e9703"],
  "appRulePacks": [{
    "rulePackId": "99d5e370-5f2c-11e6-a27f-
db2318584f13",
    "desc": "Process",
    "version": "4215",
    "state": "prod",
    "profileType": ["GENERAL"],
    "category": "PROCESS",
    "assignRules": [{
      "ruleid": "cd258769-bb22-4a77-aae3-
10b14d21c6a8",
      "metaData": [{
        "key": {
          "keyName":
"processwithdifferentargument"
          },
        "description": "Severity of
process with different argument",
        "value": "NORMAL"
      }
    ],
    "workFlow": "No Workflow"
  }, {
    "ruleid": "9876b39f-188f-43c4-895b-
7651325c64e9",
    "metaData": [{
      "key": {
        "keyName":
"processthreadcount"
        },
      "description": "Severity of
process thread count",
      "value": "CRITICAL"
    }
  ], {
    "key": {
      "keyName":
"threadcountfactor"
    },
  },
}
```

```

        "description": "Process
thread count factor",
        "value": "10"
    },
    ],
    "workFlow": "No Workflow"
}
]
}
],
"role": "AD SERVER",
"type": "AGENTROLE"
}
]

```

UNASSIGN RULEPACK

Unassigns a Rulepack from a specified application.

Definition

POST <https://<Appliance IP>/kotoba/rest/v1.0/applications/rulepacks/unassign>

Request Body

```

[ {
    "appIds": ["<appid>"],
    "role": "<role>",
    "type": "<AGENTROLE/RD>",
    "appRulePacks": [ {
        "rulePackId": "<rulepackid>",
        "desc": "<rulepackdescription>",
        "version": "<version>",
        "state": "<state>"
    }
    ]
}
]

```

Parameters

Name	Required	Type	Description	Example
appIds	Yes	UUID	ID of the application to unassign a Rulepack from.	70cac4f9-ceca-3522-b076-9bbc572e9703
role	Yes	String	ID of the Server Role to unassign a Rulepack from.	AD_SERVER
type	Yes	String	AGENTROLE/RD.	AGENTROLE

rulePackId	Yes	UUID	ID of the Rulepack to unassign.	99d5e370-5f2c-11e6-a27f-db2318584f13
desc	Yes	String	Description (name) of the Rulepack to unassign.	Process
version	Yes	String	Rulepack version.	4215
state	Yes	String	Rulepack state.	prod

Response Sample

```
{
  "success": true,
  "message": {
    "message": "Rulepack successfully unassigned",
    "code": "S"
  }
}
```

Example

The following call would be used to unassign a Rulepack named “Process” with an ID of “99d5e370-5f2c-11e6-a27f-db2318584f13” from the “AD SERVER” server role of an application with an ID of “70cac4f9-ceca-3522-b076-9bbc572e9703”. The associated parameters of this call can be found under the **Example** column in the **Parameters** section above.

POST <https://xxx.x.xxx.xx/kotoba/rest/v1.0/applications/rulepacks/unassign>

Request Body

```
[{
  "appIds": ["70cac4f9-ceca-3522-b076-9bbc572e9703"],
  "role": "AD SERVER",
  "type": "AGENTROLE",
  "appRulePacks": [{
    "rulePackId": "99d5e370-5f2c-11e6-a27f-
db2318584f13",
    "desc": "Process",
    "version": "4215",
    "state": "prod"
  }
]
}
```

