



Remote Browser Isolation

23.05

API Reference Guide

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Chapter 1

Introduction

This guide provides information about the Representational State Transfer (REST) Application Programming Interface (APIs) available for Forcepoint Remote Browser Isolation (Forcepoint RBI).

The Forcepoint RBI REST APIs provide a set of rules that lets your application communicate with Forcepoint RBI using the HTTPS protocol over predefined URLs. These URLs represent Forcepoint RBI content that can be returned as JavaScript Object Notation (JSON) files.

Chapter 2

Prerequisites

Prerequisites include:

- **Environment URL:** The Environment URL is the DNS entry for the super-admin and Admin Portal. For example:

```
https://<mycompany>.rbi.forcepoint.com/viewer/loader?tenantId=<my_tenant_id>&url=https://  
www.xxxxx.com/
```

Update the following information in the URL:

- `<mycompany>`: Required. This information can be found in the Forcepoint RBI Admin Portal.
- `<my_tenant_id>`: Required. This information can be found in the Forcepoint RBI Admin Portal.
- **API Key:** The API Key is the key required to generate short lived token. At present, the token is valid for one hour.

Chapter 3

Authentication

Using the API key, customers can create a token to call different APIs. API key is associated with scopes (permissions).

For example:

`policyprofile:read` – Get policy details

`policyprofile:write` – Create new policy

`policyprofile:update` – Update different attributes on a policy (for example, enable or disable downloads).

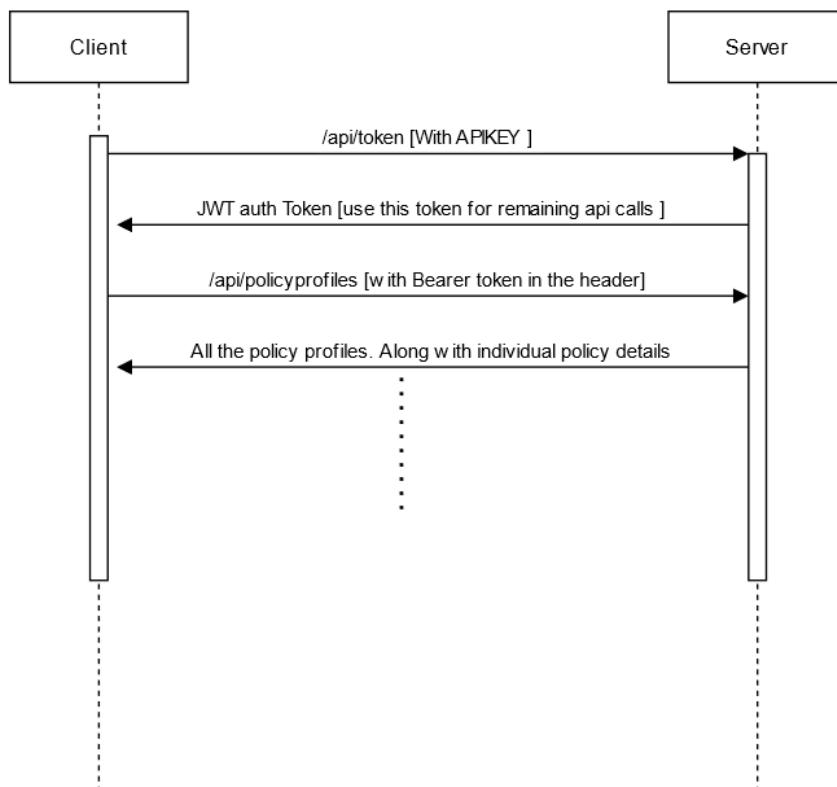
API calls are restricted to the scope of the API key. API Calls outside of the specified scope will result in an error code status 401.



Note

- Customers are responsible for keeping API keys secure.
- The RBI Operations team can disable a compromised or lost API key.

API Integration Flow



Get Token from API Key

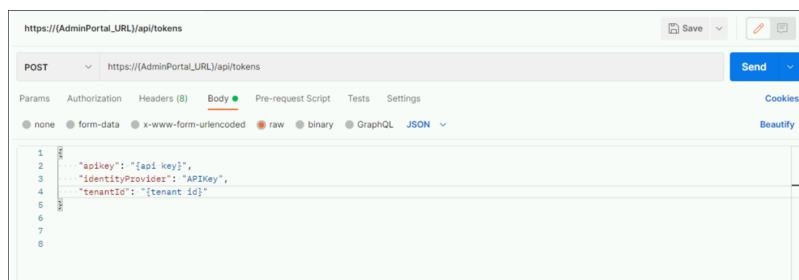
Receive the `auth_token` (bearer token) as response token API.

Request

Method	URL
POST	{AdminPortal_URL}/api/tokens

Type	Params Name	Param Datatype/Value	Description
REQ_PARAM	api_key	string	Key required to generate short lived token.
REQ_PARAM	identityProvider	string	Identity provider type. For example, "APIKEY"
REQ_PARAM	tenantId	string	Tenant id required for which token will be generated.

Example:



Response

Status	Response
200	Request Body <pre>{ "apikey": {api_key}, "identityProvider": "APIKey", "tenantId": {tenant id} }</pre> Response Body <pre>{ "eulaStatus": false, "isCloud": false, "licenseStatus": "notavailable", "tenantId": "00000000-0000-0000-0000-000000000000", "token": AuthToken(example below), "updatedEulaAcceptedStatus": false }</pre> token(string) - all further API calls must have this token as bearer token.
401	<pre>{ "errorKey": "Key_InvalidAPIKey", "identityProviderID": "00000000-0000-0000-0000-000000000000", "identityProviderType": "" }</pre>

Example: AuthToken

[illegible]

Chapter 4

REST APIs

Contents

- Policy Management APIs on page 13

This chapter provides detailed information about the specific REST APIs available in Forcepoint RBI.

Policy Management APIs

Get All Policies

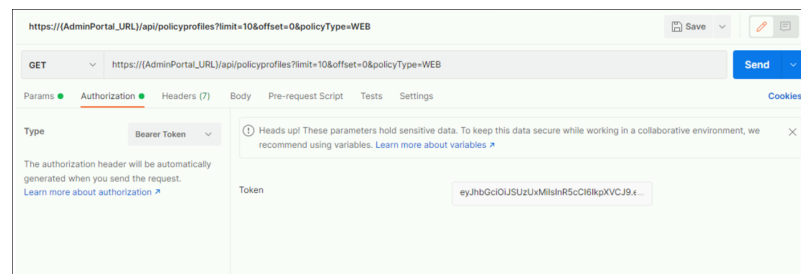
To get all policies of tenant:

Request

Method	URL
GET	{AdminPortal_URL}/api/policyprofiles?limit=10&offset=0&policyType=WEB

Type	Params Name	Param data type/values	Description
URL_PARAM	limit	string	Number of policies limit in an API call
URL_PARAM	offset	string	Number of policies to skip. (Offset and limit is used for pagination)
URL_PARAM	policyType	string (WEB EMAIL)	Type of policy

Example:



Response

Status	Response
200	Response Body: <pre>[{ "id": "ae9c9833-f727-4a49-8900-392a36cff6c0", "name": "Default - Web", "type": "WEB", "description": "System created - With default values", "createdAt": "2022-06-14T06:04:55Z", "createdBy": "System", "lastModifiedAt": "2022-06-20T12:06:47Z", "lastModifiedBy": "bob@techcompany.com", "rawPolicy": "RAW Policy" (example below), "policy": { "allow_cdr_upload_unsupported_files": "1", "block_advertisement": "1", "block_cdr_unsupported_files": "1", "config.printing_file_size_limit": 50, "context_menu": "FP RBI Context Menu", "default_print_paper_size": "Letter", "download_enable": "0", "download_file_analysis_procedure": "CDROPSWAT >> AV Scan", "download_file_size_limit": 1, "download_filetypes": "Allow,all", "isolation_to_local_enable": "1", "isolation_type": "Secure Streaming", "large_file_download": "0", "local_to_isolation_enable": "1", "print_enable": "0", "safesurf_allow_user_decision": "0", "tls_error_policy": "warn", "upload_enable": "1", "upload_file_size_limit": 409600, "upload_file_analysis_procedure": "CDROPSWAT", } }]</pre>

RAW Policy:

```
"{"allow_cdr_upload_unsupported_files":"1","block_advertisement":"1",
"block_cdr_unsupported_files":"1","config.printing_file_size_limit":50,"context_menu
":"FP RBI Context Menu","default_print_paper_size":"Letter","download_enable":"0",
"download_file_analysis_procedure":"CDROPSWAT >> AV Scan","download_file_size_limit":1,
"download_filetypes":"Deny,all","isolation_to_local_en
able":"1","isolation_type":"Secure Streaming","large_file_download":"0",
"local_to_isolation_enable":"1","print_enable":"0","safesurf_allow_user_decision":
"0","tls_error_policy":"warn","upload_enable":"1","upload_file_analysis_procedure":
"CDROPSWAT","upload_file_size_limit":409600}"
```

Get Policy Profile

To get a specific policy profile:

Request

Method	URL
GET	{AdminPortal_Url}/api/policyprofiles/{profileID}

Type	Param Name	Param datatype and values	Description
URL_PARAM	profileID	string	The ID of requested policy profile.

Sample URL

```
api/policyprofiles/e9614b6d-ef3a-4955-8bbc-90366f9c210e
```

Response

Status	Response
200	Response Body: <pre> { "id": " e9614b6d-ef3a-4955-8bbc-90366f9c210e", "name": "Default - Web", "type": "WEB", "description": "System created - With default values", "createdAt": "2022-06-14T06:04:55Z", "createdBy": "System", "lastModifiedAt": "2022-06-20T12:06:47Z", "lastModifiedBy": "bob@techcompany.com", "rawPolicy": "Raw Policy (example below)", "policy": { "allow_cdr_upload_unsupported_files": "1", "block_cdr_unsupported_files": "1", "block_advertisement": "1", "config.printing_file_size_limit": 50, "context_menu": "FP RBI Context Menu", "default_print_paper_size": "Letter", "download_enable": "1", "download_file_analysis_procedure": "CDROPSWAT >> AV Scan", "download_file_size_limit": 10000, "download_filetypes": "Allow,all", "isolation_to_local_enable": "1", "isolation_type": "Secure Streaming", "large_file_download": "0", "local_to_isolation_enable": "1", "print_enable": "0", "safesurf_allow_user_decision": "0", "tls_error_policy": "warn", "upload_enable": "1", "upload_file_analysis_procedure": "CDROPSWAT", "upload_file_size_limit": 10000, } } </pre>
404	<pre> { "errorKey": "Key_ResourceNotFound", "resourceName": "policyprofile", "resourceValue": "ae9c9833-f727-4a49-8900-392a36cff6c1" } </pre>

RAW Policy:

```

"{\"allow_cdr_upload_unsupported_files\": \"1\", \"block_advertisement\": \"1\",
\"block_cdr_unsupported_files\": \"1\", \"config.printing_file_size_limit\": 50, \"context_menu
\": \"FP RBI Context Menu\", \"default_print_paper_size\": \"Letter\", \"download_enable\": \"0\",
\"download_file_analysis_procedure\": \"CDROPSWAT>> AV
Scan\", \"download_file_size_limit\": 1, \"download_filetypes\": \"Deny,all\",
\"isolation_to_local_enable\": \"1\", \"isolation_type\": \"Secure Streaming\", \"large_file_download
\": \"0\", \"local_to_isolation_enable\": \"1\", \"print_enable\": \"0\", \"safesurf_allow_user_decision
\": \"0\", \"tls_error_policy\": \"warn\", \"upload_enable\": \"1\", \"upload_file_analysis_procedure\":
\"CDROPSWAT\", \"upload_file_size_limit\": 409600}"

```

Add Policy Profile

To add policy profile:

Request

Method	URL
POST	{AdminPortal_Url}/api/policyprofiles

Method	Params Name	Param datatype and values	Description
REQ_PARAM	name	String	Name of policy profile.
REQ_PARAM	description	String	Description of policy profile.
REQ_PARAM	policy	object	JSON object with policy attributes.
REQ_PARAM	tls_error_policy	string(warn/fail/ignore)	Error policy
REQ_PARAM	upload_enable	string (0/1)	Indicates whether file upload is enabled or disabled. (0 = disabled, 1 = enabled)
REQ_PARAM	upload_file_size_limit	Number (1-409600)	Specifies the file size limit of uploaded files in KBs.
REQ_PARAM	safesurf_allow_user_decision	string (0/1)	Indicates whether file safe surf is enabled or disabled. (0 = disabled, 1 = enabled).
REQ_PARAM	download_file_size_limit	Number (1-512000)	Specifies the file size limit for downloaded files in KBs.
REQ_PARAM	download_filetypes	string (Allow, (all/other filetypes)/ Deny, (all/other filetypes))	Indicates whether filetypes are to be allowed or denied for downloading. Specify all or specific file types.
REQ_PARAM	download_file_analysis_procedure	string (CDROPSWAT >> AV SCAN/AV SCAN/ NO SCAN)	Indicates analysis procedure to follow while downloading a file.
REQ_PARAM	block_cdr_unsupported_files	string (0/1)	Indicates whether to block CDR unsupported file. (0 = disabled, 1 = enabled).
REQ_PARAM	config.printing_file_size_limit	number	File size of the file to be printed.

Method	Params Name	Param datatype and values	Description
REQ_PARAM	default_print_paper_size	string (Letter/A3/A4)	Paper size for printing file.
REQ_PARAM	type	string (WEB/EMAIL)	Type of policy.
REQ_PARAM	download_enable	string (0/1)	Indicates whether file download is enabled or disabled. (0 = disabled, 1 = enabled).
REQ_PARAM	allow_cdr_upload_unsupported_files	string (0/1)	Enable or disable CDR for upload.
REQ_PARAM	upload_file_analysis_procedure	string (CDROPSWAT/CDR/NOSCAN)	Indicates analysis procedure to follow while uploading a file.
REQ_PARAM	block_advertisement	string (0/1)	To indicate whether to allow or block advertisement. (0 = allow, 1 = block).
REQ_PARAM	print_enable	string (0/1)	To indicate whether print option is enabled or disabled. (0 = disabled, 1 = enabled).

Response

Status	Response
201	Request Body: <pre>{ "name": "sample-policy", "description": "Policy created by Bitglass using RBI API", "policy": { "tls_error_policy": "warn", "upload_enable": "1", "upload_file_size_limit": "112000", "safesurf_allow_user_decision": "0", "download_enable": "1", "download_file_size_limit": "512000", "download_filetypes": "Allow,all", (Allow,.pdf,.exe/ Deny,.pdf,.exe) "download_file_analysis_procedure": "CDROPSWAT >> AV Scan", "block_cdr_unsupported_files": "0", "config.printing_file_size_limit": 50000, "default_print_paper_size": "Letter", "allow_cdr_upload_unsupported_files": "0", "upload_file_analysis_procedure": "CDROPSWAT", "print_enabled": "0" }, "type": "WEB" }</pre>

Status	Response
	Response Body: <pre> { "id": "c6345e0a-9a03-41dc-bc9f-3760651d7bbf", "name": "Default - Web", "type": "WEB", "description": "", "createdAt": "2022-06-23T13:16:24Z", "createdBy": "bob@techcompany.com", "lastModifiedAt": "2022-06-23T13:16:24Z", "lastModifiedBy": "bob@techcompany.com", "rawPolicy": "RAW Policy", "policy": { "block_cdr_unsupported_files": "1", "block_advertisement": "0", "config.printing_file_size_limit": 50, "context_menu": "FP RBI Context Menu", "default_print_paper_size": "Letter", "download_enable": "1", "download_file_analysis_procedure": "CDROPSWAT >> AV Scan", "download_file_size_limit": 1, "download_filetypes": "Deny,.pdf", "isolation_to_local_enable": "1", "isolation_type": "Secure Streaming", "large_file_download": "0", "local_to_isolation_enable": "1", "print_enabled": "0", "safesurf_allow_user_decision": "0", "tls_error_policy": "warn", "upload_enable": "0", "upload_file_size_limit": 1, "allow_cdr_upload_unsupported_files": "0", "upload_file_analysis_procedure": "CDROPSWAT" } } </pre>

RAW Policy

```

{"block_cdr_unsupported_files":"1","block_advertisement":"0",
"config.printing_file_size_limit":50,"context_menu":"FP RBI Context
Menu","default_print_paper_size":"Letter","download_enable":"1",
"download_file_analysis_procedure":"CDROPSWAT >> AV Scan","download_file_size_limit
":10000,"download_filetypes":"Allow,all","isolation_to_local_enable":"1","isolation_type
":"Secure Streaming","large_file_download":"0","local_to_isolation_enable":"1",
"print_enable":"0","safesurf_allow_user_decision":"0","tls_error_policy":"warn",
"upload_enable":"1","upload_file_size_limit":10000, "allow_cdr_upload_unsupported_files":0,
"upload_file_analysis_procedure":"CDROPSWAT"

```

Update Policy Profile

To update a policy profile:

Request:

Method	URL
PUT	{AdminPortal_Url}/api/policyprofiles/{profileID}

Method	Params Name	Param datatype and values	Description
URL_PARAM	profileID	String	The ID of policy profile which needs update.
REQ_PARAM	name	String	Name of policy profile.
REQ_PARAM	description	String	Description of policy profile.
REQ_PARAM	tls_error_policy	string(warn/fail/ignore)	Error policy
REQ_PARAM	upload_enable	string (0/1)	Indicates whether file upload is enabled or disabled. (0 = disabled, 1 = enabled).
REQ_PARAM	upload_file_size_limit	Number (1-409600)	Specifies the file size limit of uploaded files in KBs.
REQ_PARAM	safesurf_allow_user_decision	string (0/1)	Indicates whether file safe surf is enabled or disabled. (0 = disabled, 1 = enabled).
REQ_PARAM	download_file_size_limit	Number (1-512000)	Specifies the file size limit of downloaded files in KBs.
REQ_PARAM	download_filetypes	string (Allow, (all/other filetypes)/ Deny, (all/other filetypes))	Indicates whether filetypes are to be allowed or denied for downloading all file types or specific file types.
REQ_PARAM	download_file_analysis_procedure	string (CDROPSWAT >> AV SCAN/AV SCAN/ NO SCAN)	Indicates analysis procedure to follow while downloading a file.
REQ_PARAM	block_cdr_unsupported_files	string (0/1)	Indicates whether to block CDR unsupported file. (0 = disabled, 1 = enabled).
REQ_PARAM	config.printing_file_size_limit	number	File size of file to be printed.
REQ_PARAM	default_print_paper_size	string (Letter/ A3/A4)	Paper size for printing file.
REQ_PARAM	type	string (WEB/ EMAIL)	Type of policy.

Method	Params Name	Param datatype and values	Description
REQ_PARAM	download_enable	string (0/1)	Indicates whether file download is enabled or disabled. (0 = disabled, 1 = enabled).
REQ_PARAM	Policy	object	JSON object with policy attributes.
REQ_PARAM	allow_cdr_upload_unsupported_files	string (0/1)	Enable or disable CDR for upload.
REQ_PARAM	upload_file_analysis_procedure	string (CDROPSWAT/CDR/NOSCAN)	Indicates analysis procedure to follow while uploading a file.
REQ_PARAM	block_advertisement	string (0/1)	Indicates whether to allow or block advertisement. (0 = allow, 1 = block).
REQ_PARAM	print_enable	string (0/1)	Indicates whether print option is enabled or disabled. (0 = disabled, 1 = enabled).

Sample URL

/api/policyprofiles/c6345e0a-9a03-41dc-bc9f-3760651d7bbf

Response

Status	Response
201	Request Body: <pre>{ "name": "sample-policy", "description": "Policy created by Bitglass using RBI API", "policy": { "tls_error_policy": "warn", "upload_enable": "1", "upload_file_size_limit": "112000", "safesurf_allow_user_decision": "0", "download_enable": "1", "download_file_size_limit": "512000", "download_filetypes": "Allow,all", (Allow,.pdf,.exe/ Deny,.pdf,.exe) "download_file_analysis_procedure": "CDROPSWAT >> AV Scan", "block_cdr_unsupported_files": "0", "config.printing_file_size_limit": 50000, "default_print_paper_size": "Letter", "allow_cdr_upload_unsupported_files": "0", "upload_file_analysis_procedure": "CDROPSWAT", "block_advertisement": "1", "print_enable": "1" }, "type": "WEB" }</pre>

Status	Response
	Response Body: <pre> { "id": "c6345e0a-9a03-41dc-bc9f-3760651d7bbf", "name": "Default - Web", "type": "WEB", "description": "", "createdAt": "2022-06-23T13:16:24Z", "createdBy": "bob@techcompany.com", "lastModifiedAt": "2022-06-23T13:16:24Z", "lastModifiedBy": " bob@techcompany.com ", "rawPolicy": "RAW Policy (example below)", "policy": { "block_cdr_unsupported_files": "1", "block_advertisement": "1", "config.printing_file_size_limit": 50, "context_menu": "FP RBI Context Menu", "default_print_paper_size": "Letter", "download_enable": "1", "download_file_analysis_procedure": "CDROPSWAT >> AV Scan", "download_file_size_limit": 1, "download_filetypes": "Deny,.pdf", "isolation_to_local_enable": "1", "isolation_type": "Secure Streaming", "large_file_download": "0", "local_to_isolation_enable": "1", "print_enable": "1", "safesurf_allow_user_decision": "0", "tls_error_policy": "warn", "upload_enable": "0", "upload_file_size_limit": 1, "allow_cdr_upload_unsupported_files": "0", "upload_file_analysis_procedure": "CDROPSWAT" } } </pre>

RAW Policy

```

{"allow_cdr_upload_unsupported_files":"1","block_advertisement":"1",
"block_cdr_unsupported_files":
"1","config.printing_file_size_limit":50,"context_menu":"FP RBI Context Menu",
"default_print_paper_size":"Letter","download_enable":"0",
"download_file_analysis_procedure":"CDROPSWAT >> AV Scan","download_file_size_limit":1,
"download_filetypes":"Deny,.pdf","isolation_to_local_enable":"1","isolation_type":
"Secure Streaming","large_file_download":"0",
"local_to_isolation_enable":"1","print_enable":"1","safesurf_allow_user_decision":"0",
"tls_error_policy":
"warn","upload_enable":"1","upload_file_analysis_procedure":"CDROPSWAT",
"upload_file_size_limit
":409600}

```

Get Tenant Settings

To get tenant settings based on setting name:

Request

Method	URL
GET	{AdminPortal_Url}/api/tenants/{tenantId}/general-settings/{settingName}

Type	Params name	Param datatype and values	Description
URL_PARAM	tenantId	string	The ID of tenant
URL_PARAM	settingName	string	The name of the setting

Sample URL:

```
/api/tenants/b79f3021-aedf-4374-8e88-dd8d6a4d4dea/general-settings/safe_preview
```

Response

Status	Response
200	Response Body: <pre>{ "safe_preview": "1" }</pre>

Update Smart Isolation

To update smart isolation or enable or disable smart isolation:

Request

Method	URL
PUT	{AdminPortal_Url}/api/tenants/{tenantId}/policyengine-settings

Type	Params name	Param datatype and values	Description
URL_PARAM	tenantId	string	The ID of policy for which smart isolation attribute needs to be updated.
REQ_PARAM	settings	object	JSON object with parameters to update policy settings
REQ_PARAM	smart_isolation_enabled	string (0/1)	To indicate whether smart isolation is enabled or disabled. (0 = disabled, 1 = enabled).
REQ_PARAM	smart_isolation_score	string (0-100)	Threat score range

Sample URL

```
/api/tenants/b79f3021-aedf-4374-8e88-dd8d6a4d4dea/policyengine-settings
```

Response

Status	Response
200	Request Body: <pre>{ "settings": { "smart_isolation_enabled": "0", "smart_isolation_score": "63" } }</pre> Response Body: <pre>null</pre>
400	<pre>{ "errorKey": "Key_InvalidFields", "errors": { "smart_isolation_enabled": "Key_InvalidValue" } }</pre>

Get Policy Setting

To get policy setting based on setting name:

Request

Method	URL
GET	<code>{AdminPortal_Url}/api/tenants/{tenantId}/policyengine-settings/settingName</code>

Type	Params name	Param datatype and values	Description
URL_PARAM	tenantId	string	The ID of tenant
URL_PARAM	settingName	string	The Name of the setting. (settings name could be smart_isolation_score or smart_isolation_enabled)

Sample URL

```
/api/tenants/b79f3021-aedf-4374-8e88-dd8d6a4d4dea/policy-settings/smart_isolation_enabled
```

Response

Status	Response
200	Response Body: <pre>{ "smart_isolation_enabled": "1" }</pre>

**Note**

The `settingName` is optional if you want to retrieve all Policy settings. All policy settings can be retrieved using `https://{AdminPortal_URL}/api/tenants/{TenantId}/policyengine-settings` in the GET URL.

Get Navigation Rules

To get navigation rules:

Request

Method	URL
GET	<code>{AdminPortal_Url}/api/policyprofiles/{policyId}/navigationrules</code> Note URL Selection: <pre>/api/policyprofiles/{policyId}/navigationrules?sequence=1&limit=5&offset=0&orderby=URL%2C0</pre> Category Selection: <pre>/api/policyprofiles/{policyId}/navigationrules?sequence=1001</pre>

Type	Params name	Param datatype and values	Description
URL_PARAM	policyId	string	The ID of policy
RES_PARAM	id	string	ID of navigation rule
RES_PARAM	description	string	Description of rule
RES_PARAM	action	string (0-5)	Navigation action for threat score different Actions are: action = 4 (blocked) action = 0 (trusted) action = 2 (isloated)

Type	Params name	Param datatype and values	Description
RES_PARAM	sequence	string	Different sequence number indicate different rules: URL (domain): 1 Category Selection: 1001 ThreatScore :2002
RES_PARAM	rule	object	Rule is divided into 3 parts <pre>rule (threatscore, category or url(domain)) "=" for category/url <= for threatscore [value] for category it's the category id, for url its domain name and threatscore it is integer value.</pre>

Sample URL

/api/policyprofiles/b79f3021-aedf-4374-8e88-dd8d6a4d4dea/navigationrules/

Response

Status	Response
200	Response will be an array containing the list of navigation rules. Response Body: <pre>[{ "id": "7fd0645f-11b8-4c1a-8934-8b4c58a5f9ea", "description": "Threat score", "action": "0", "sequence": 2001, "rule": { "threatscore": {"<=": ["-1"]}}}, { "id": "c755309b-6cc9-4808-9ef3- a158c102a427", "description": "Threat score", "action": "2", "sequence": 2002, "rule": { "threatscore": {"<=": ["60"]}}}, { "id": "881d155c-6bc9-4f6e- baca-52e8bb9123a0", "description": "Threat score", "action": "3", "sequence": 2003, "rule": { "threatscore": {"<=": ["100"]}}}, { "id": "c791abbb-846c-41ca-9da2- f75bde8e0555", "description": "", "action": "4", "sequence": 1001, "rule": { "category": {"=": ["e9f64543-fc8d-45ed-afc0- e40fd8d2f1b6"]}}},{ "id": "a4ac2bea-0bdc-4a84-a649- d709dc2cab6d", "description": "", "action": "4", "sequence": 1, "rule": { "domain": { "=": ["*.test.com"]}}}, { "id": "b9412312-8b87-455b- b816-3cfc950a39c7", "description": "Threat score", "action": "4", "sequence": 2004, "rule": { "threatscore": { "<=": ["100"]}}}]</pre>

Update Navigation Rules

To update navigation rules:

Request

Method	URL
PUT	{AdminPortal_Url}/api/policyprofiles/{policyId}/navigationrules

Type	Params name	Param datatype and values	Description
URL_PARAM	policyId	string	The ID of policy for which navigation rules needs to be updated.
REQ_PARAM	id	string	ID of navigation rule
REQ_PARAM	action	string (0-5)	Navigation action for threat score different Actions are: action = 4 (blocked) action = 0 (trusted) action = 2 (isloated)
REQ_PARAM	sequence	string	Different sequence number indicate different rules: URL (domain): 1 Category Selection: 1001 ThreatScore :2002
REQ_PARAM	rule	object	Rule is divided into 3 parts <pre>rule (threatscore, category or url(domain)) "=" for category/url <= for threatscore [value] for category it's the category id, for url its domain name and threatscore it is integer value.</pre>

Sample URL:

/api/policyprofiles/b79f3021-aedf-4374-8e88-dd8d6a4d4dea/navigationrules

Response

Status	Response
200	Response will be an array containing the list of navigation rules. Request Body: <pre>[{action: "4", sequence: 1001, rule: {category: {=: ["e9f64543-fc8d-45ed-afc0- e40fd8d2f1b6"]}}}]</pre> Response Body: <pre>[{ "id": "c791abbb-846c-41ca-9da2- f75bde8e0555", "description": "", "action": "4", "sequence": 1001, "rule": { "category": { "=: ["e9f64543-fc8d-45ed-afc0- e40fd8d2f1b6"] } } }]</pre>

Add Navigation Rules

To add navigation rules:

Request

Method	URL
POST	{AdminPortal_Url}/api/policyprofiles/{policyId}/navigationrules

Type	Params name	Param datatype and values	Description
URL_PARAM	policyId	string	The ID of policy for which navigation rules needs to be updated.
REQ_PARAM	action	string (0-5)	Navigation action for threat score different Actions are: action = 4 (blocked) action = 0 (trusted) action = 2 (isloated)

Type	Params name	Param datatype and values	Description
REQ_PARAM	sequence	string	Different sequence number indicate different rules: URL (domain): 1 Category Selection: 1001 ThreatScore :2002
REQ_PARAM	rule	object	Rule is divided into 3 parts <pre>rule (threatscore, category or url(domain)) "=" for category/url <= for threatscore [value] for category it's the category id, for url its domain name and threatscore it is integer value.</pre>

Sample URL

/api/policyprofiles/b79f3021-aedf-4374-8e88-dd8d6a4d4dea/navigationrules

Response

Status	Response
200	Response will be an array containing the list of navigation rules. Request Payload: <pre>[{action: "4", sequence: 1001, rule: {category: {=: ["e9f64543-fc8d-45ed-afc0- e40fd8d2f1b6"]}}}]</pre> Response Body: <pre>[{ "id": "c791abbb-846c-41ca-9da2- f75bde8e0555", "description": "", "action": "4", "sequence": 1001, "rule": { "category": { "=: ["e9f64543-fc8d-45ed-afc0- e40fd8d2f1b6"] } } }]</pre>

Update Safe Surf Score

To update safe surf score:

Request

Method	URL
PUT	{AdminPortal_Url}/api/policyprofiles/{policyId}/navigationrules/{navigationRuleId}

57b6e54c-a2ec-4178-8a0f-a82261f639e2 - This ID is constant for this API.

Type	Params name	Param datatype and values	Description
URL_PARAM	policyId	string	The ID of policy for which safe surf attribute has to be updated
URL_PARAM	navigationRuleId	string	ID of navigation rule
REQ_PARAM	id	string	ID of navigation rule
REQ_PARAM	description	string	To indicate what is being updated
REQ_PARAM	action	string (0-5)	Navigation action for threat score different Actions are: action = 4 (blocked) action = 0 (trusted) action = 2 (isloated)
REQ_PARAM	sequence	string	Different sequence number indicate different rules: URL (domain): 1 Category Selection: 1001 ThreatScore :2002
REQ_PARAM	rule	object	Rule is divided into 3 parts <pre>rule (threatscore, category or url(domain)) "=" for category/url <= for threatscore [value] for category it's the category id, for url its domain name and threatscore it is integer value.</pre>

Sample URL

/api/policyprofiles/ae9c9833-f727-4a49-8900-392a36cff6c0/navigationrules/57b6e54c-a2ec-4178-8a0f-a82261f639e2

Response

Status	Response
200	Request Body: <pre>{ "id": "57b6e54c-a2ec-4178-8a0f-a82261f639e2", "description": "Threat score", "action": "2", "sequence": 2002, "rule": { "threatscore": { "<=": ["60"] } } }</pre> Response Body: <pre>{ "id": "c755309b-6cc9-4808-9ef3-a158c102a427", "description": "Threat score", "action": "2", "sequence": 2002, "rule": { "threatscore": { "<=": ["60"] } } }</pre>
400	<pre>{ "errorKey": "Key_InvalidFields", "errors": { " threatscore ": "Key_InvalidValue" } }</pre>

Attach Policy Profile

To attach policy profile to an entity (tenant, user-group or user):

Request

Method	URL
POST	Tenant: {AdminPortal_Url}/api/policyprofiles/{policyId}/tenants User-Group: {AdminPortal_Url}/api/policyprofiles/{policyId}/usergroups?reassociate=0 User: {AdminPortal_Url}/api/policyprofiles/{policyId}/users?reassociate=0

Type	Params name	Param datatype and values	Description
URL_PARAM	policyId	string	The ID of policy for which associations has to be added.
REQ_PARAM	entityId	string	tenantId [For user/usergroup it will change to its id]
REQ_PARAM	entityDisplayName	string	Username of the user adding this association.
RES_PARAM	id	string	Id of policy and tenant association
URL_PARAM	reassociate	string (0/1)	To reassociate policy profile. (0 = no policy is attached, 1 = there is an existing policy profile).
RES_PARAM	profileId	string	Id of policy profile

Sample URL

```
/api/policyprofiles/c77a94a8-3d4e-45a8-a144-714cf97b4366/tenants?reassociate=0
```

Response

Status	Response
200	Request Body: <pre>[{"entityId":"4a65335c-3c1b-4acf-b174-aba851ba4411", "entityDisplayName":" bob@techcompany.com"}]</pre> Response Body: <pre>[{"id":"4a65335c-3c1b-4acf-b174-aba851ba4411", " entityId ":"46535572-e68d-4b6e-b002-503ef91a122d", " entityDisplayName ":"bob@techcompany.com", "profileId":"c77a94a8-3d4e-45a8-a144-714cf97b4366"}]</pre>

Detach Policy Profile

To detach policy profile from an entity (tenant, user-group or user):

Request

Method	URL
DELETE	Tenant: {AdminPortal_Url}/api/policyprofiles/{policyId}/tenants User-Group: {AdminPortal_Url}/api/policyprofiles/{policyId}/usergroups User: {AdminPortal_Url}/api/policyprofiles/{policyId}/users

Type	Params name	Param datatype and values	Description
URL_PARAM	policy_id	string	The ID of policy associated to user/user-group/tenant
RES_PARAM	association_id	List of Strings	List of Ids of the association deleted.

Sample URL

```
/api/policyprofiles/c77a94a8-3d4e-45a8-a144-714cf97b4366/tenants
```

Response

Status	Response
200	Request Body: <pre>["95661c40-ff07-401a-b279-470874ec1f5c"]</pre> Response Body: <pre>null</pre>

Get Attached Policy Profile

Returns the list of entities (tenant, user-group or user) a policy profile is attached:

Request

Method	URL
GET	Tenant: {AdminPortal_Url}/api/policyprofiles/{policyId}/tenants User-Group: {AdminPortal_Url}/api/policyprofiles/{policyId}/usergroups User: {AdminPortal_Url}/api/policyprofiles/{policyId}/users

Type	Params name	Param datatype and values	Description
URL_PARAM	policy_id	string	The ID of policy associated to user/user-group/tenant
RES_PARAM	id	string	Id of the association.
RES_PARAM	entityId	string	tenantId [For user/user-group it will change to its id]

Sample URL

```
/api/policyprofiles/c77a94a8-3d4e-45a8-a144-714cf97b4366/tenants
```

Response

Status	Response
200	Response Body: <pre>[{"id": "4a65335c-3c1b-4acf-b174-aba851ba4411", "entityId": "46535572-e68d-4b6e-b002-503ef91a122d", "entityDisplayName": "bob@techcompany.com", "profileId": "c77a94a8-3d4e-45a8-a144-714cf97b4366"}]</pre>

Get Associated Policy Profile Details

To get associated policy profile in detail for an entity (tenant, user-group or user):

Request

Method	URL
GET	Tenant: {AdminPortal_Url}/api/tenants/{tenant-id}/policyprofiles?policyType={policyType} User-Group: {AdminPortal_Url}/api/user-groups/{user-group-id}/policyprofiles?policyType={policyType} User: {AdminPortal_Url}/api/users/{user-id}/policyprofiles?policyType={policyType}

Type	Params name	Param datatype and values	Description
URL_PARAM	Tenant-id / user-id / user-group-id	string	The ID of policy associated to user/user-group/tenant
URL_PARAM	policyType	string	The type of the policy profiles to get, example "WEB".

Sample URL

```
/api/tenants/6ef98a1b-5717-49cd-96ac-a685a7bb4526/policyprofiles?policyType=WEB
```

Response

Status	Response
200	Response Body when a policy is attached to only one entity (either a tenant or an user or an user-group): <pre> { "id": "c6345e0a-9a03-41dc- bc9f-3760651d7bbf", "name": "Default - Web", "type": "WEB", "description": "", "createdAt": "2022-06-23T13:16:24Z", "createdBy": "bob@techcompany.com", "lastModifiedAt": "2022-06-23T13:16:24Z", "lastModifiedBy": " bob@techcompany.com ", "rawPolicy": RAW Policy (example below), "policy": { "block_cdr_unsupported_files": "1", "block_advertisement": "1", "config.printing_file_size_limit": 50, "context_menu": "FP RBI Context Menu", "default_print_paper_size": "Letter", "download_enable": "1", "download_file_analysis_procedure": "CDROPSWAT >> AV Scan", "download_file_size_limit": 1, "download_filetypes": "Deny,.pdf", "isolation_to_local_enable": "1", "isolation_type": "Secure Streaming", "large_file_download": "0", "local_to_isolation_enable": "1", "print_enable": "0", "safesurf_allow_user_decision": "0", "tls_error_policy": "warn", "upload_enable": "0", "upload_file_size_limit": 1, "allow_cdr_upload_unsupported_files": "0", "upload_file_analysis_procedure": "CDROPSWAT" }} </pre>

Status	Response
	Response Body when a policy is attached to many entities (tenant or user or user-group): <pre>[{ "id": "f2dd8806-76a7-4109-b370-380ed34a00a3", "name": "policy3", "type": "WEB", "description": "Policy created for using RBI API", "createdAt": "2022-06-29T10:32:55Z", "createdBy": "bob@techcompany.com", "lastModifiedAt": "2022-06-29T10:32:55Z", "lastModifiedBy": "bob@techcompany.com", "rawPolicy": "RAW Policy(example below)", "policy": { "block_cdr_unsupported_files": "0", "config.printing_file_size_limit": 50000, "context_menu": "FP RBI Context Menu", "default_print_paper_size": "Letter", "download_enable": "0", "download_file_analysis_procedure": "CDROPSWAT >> AV Scan", "download_file_size_limit": 512000, "download_filetypes": "Allow,all", "isolation_to_local_enable": "1", "isolation_type": "Secure Streaming", "large_file_download": "0", "local_to_isolation_enable": "1", "print_enable": "0", "safesurf_allow_user_decision": "0", "tls_error_policy": "warn", "upload_enable": "1", "upload_file_size_limit": 112000, "allow_cdr_upload_unsupported_files": "0", "upload_file_analysis_procedure": "CDROPSWAT", "policyAttrValueSource": { "context_menu": { "sourceId": "00000000-0000-0000-0000-000000000000", "sourceType": "System", "sourceDisplayName": "Default", "isolation_to_local_enable": { "sourceId": "00000000-0000-0000-0000-000000000000", "sourceType": "System", "sourceDisplayName": "Default", "isolation_type": { "sourceId": "00000000-0000-0000-0000-000000000000", "sourceType": "System", "sourceDisplayName": "Default", "large_file_download": { "sourceId": "00000000-0000-0000-0000-000000000000", "sourceType": "System", "sourceDisplayName": "Default", "local_to_isolation_enable": { "sourceId": "00000000-0000-0000-0000-000000000000", "sourceType": "System", "sourceDisplayName": "Default" }}}}}}]</pre>

RAW Policy:

```
{
  "allow_cdr_upload_unsupported_files": "1",
  "block_advertisement": "1",
  "block_cdr_unsupported_files": "1",
  "config.printing_file_size_limit": 50,
  "context_menu": "FP RBI Context Menu",
  "default_print_paper_size": "Letter",
  "download_enable": "0",
  "download_file_analysis_procedure": "CDROPSWAT >> AV Scan",
  "download_file_size_limit": 1,
  "download_filetypes": "Deny,all",
  "isolation_to_local_enable": "1",
  "isolation_type": "Secure Streaming",
  "large_file_download": "0",
  "local_to_isolation_enable": "1",
  "print_enable": "1",
  "safesurf_allow_user_decision": "0",
  "tls_error_policy": "warn",
  "upload_enable": "1",
  "upload_file_analysis_procedure": "CDROPSWAT",
  "upload_file_size_limit": 409600
}
```

Get Identity Providers

To get all the identity providers for a tenant:

Request

Method	URL
GET	{AdminPortal_Url}/api/tenants/{tenantId}/idproviders

Type	Params Name	Param data type/values	Description
URL_PARAM	enabled	number	If '1', will get all enabled IDP. If '0' will get all disabled IDP.

Response

Status	Response
200	Response Body: <pre>[{ "default": true, "id": "857deae5-5786-4724-bce9-c217ec38bfdc", "name": "Local", "type": "Local" }]</pre>

Get All Users

To get all the users for an identity provider:

Request

Method	URL
GET	{AdminPortal_Url}/api/users

Type	Params Name	Param data type/values	Description
URL_PARAM	limit	string	Number of user limit in an API call
URL_PARAM	offset	string	Number of user to skip. (Offset and limit is used for pagination)
URL_PARAM	idpId	string	ID of identity provider

Response

Status	Response
200	Response Body: <pre>[{ "id": "a6ab1e01-8313-4125-80ed-184d1bb84425", "name": "Bob", "username": "bob@techcompany.com", "email": "bob@techcompany.com", "enabled": true, "accountType": "Local", "idpType": "Local", "idpName": "Local", "groups": [], "roles": [], "createdAt": "2022-07-08T01:58:08Z", "createdBy": "admin@techcompany.com", "lastModifiedAt": "2022-07-21T02:15:27Z", "lastModifiedBy": "admin@techcompany.com", "tenantId": "55bb5967-e6a8-4719-a552- ebd50a1ab4e9" }]</pre>

Get User Detail

To get the user detail:

Request

Method	URL
GET	{AdminPortal_Url}/api/users/{userId}

Type	Params Name	Param data type/values	Description
URL_PARAM	userId	string	Id of the user

Response

Status	Response
200	Response Body: <pre> { "id": "a6ab1e01-8313-4125-80ed-184d1bb84425", "name": "Engineering", "username": "bob@techcompany.com", "email": "bob@techcompany.com", "enabled": true, "accountType": "Local", "idpType": "Local", "idpName": "Local", "groups": [], "roles": [{ "id": "e8cbc853-da97-457c- a662-5e47060a80c0", "displayName": "Admin", "scopes": "controlcenter.*,*, -config:*, - sandboxes:*, -ca-certificate:*", "createdAt": "", "createdBy": "", "lastModifiedAt": "", "lastModifiedBy": "", "hidden": false, "roleId": "", "roleType": 0 }], "createdAt": "2022-07-08T01:58:08Z", "createdBy": "key:Tenant OnBoarding API Key", "lastModifiedAt": "2022-07-21T03:15:28Z", "lastModifiedBy": "key:Tenant OnBoarding API Key", "tenantId": "55bb5967-e6a8-4719-a552- ebd50a1ab4e9" } </pre>

Get All Groups

To get all the groups for an identity provider:

Request

Method	URL
GET	{AdminPortal_Url}/api/groups

Type	Params Name	Param data type/values	Description
URL_PARAM	limit	string	Number of user limit in an API call
URL_PARAM	offset	string	Number of users to skip. (Offset and limit is used for pagination).
URL_PARAM	idpId	string	ID of identity provider

Response

Status	Response
200	Response Body: <pre>[{ "id": "e56587d3-e3d8-45b3-8744-485ed50cfd0f", "displayName": "Engineering", "idpType": "Local", "idpName": "Local", "createdAt": "2022-07-21T03:43:53Z", "createdBy": "admin@techcompany.com", "lastModifiedAt": "2022-07-21T03:43:53Z", "lastModifiedBy": "admin@techcompany.com" }]</pre>

Get Group Detail

To get the group details:

Request

Method	URL
GET	{AdminPortal_Url}/api/groups/{groupId}

Type	Params Name	Param data type/values	Description
URL_PARAM	groupId	string	Id of the group

Response

Status	Response
200	Response Body: <pre>{ "id": "e56587d3-e3d8-45b3-8744-485ed50cfd0f", "displayName": "Engineering", "idpType": "Local", "idpName": "Local", "createdAt": "2022-07-21T03:43:53Z", "createdBy": "admin@techcompany.com", "lastModifiedAt": "2022-07-21T03:43:53Z", "lastModifiedBy": "admin@techcompany.com" }</pre>

