IaC Scan API V2 Overview (Latest)

Note: This API is deprecated. See the Prisma Cloud Code Security API for the latest programmatic code security solution.

The Infrastructure-As-Code (IaC) scan service receives and assesses customer IaC resources. With IaC Scan API V2, you can initiate IaC scans asynchronously to evaluate your templates against Prisma Cloud policies and integrate your IaC scan results with Prisma Cloud. The basic steps to run an IaC scan job in Prisma Cloud are as follows:

1. Create an IaC scan asset in Prisma Cloud with Add Scan Asset.
2. Use the presigned URL from the IaC scan asset creation response to upload the templates to be scanned for evaluation.
3. Use the scan ID from the IaC scan asset creation response with Initiate Scan Job to start an asynchronous job to perform a scan of your uploaded templates.
4. You can query your job status with Get Scan Job Status.
5. Once the job has successfully completed, you can request the results with Get Scan Result Details.

The IaC scan API V2 is JSON:API compliant.

Note: The IaC scan API V2 is not available at https://api.uk.prismacloud.io.

For more information about the IaC scan API, see Use the Prisma Cloud IaC Scan REST API.

Error Handling

As with other Prisma Cloud public API requests, the IaC scan API V2 requests return standard HTTP response codes. In addition, in an error response, the IaC scan API V2 requests return details about the error in an array of objects in the response object. The following table lists the properties of a single object in the array.

Property	Type	Description
errors	array of objects	List of error details

Property	Type	Description
error.status	string	HTTP status code
error.code	string	Appication-specific error code
error.detail	string	Detailed description of error
error.source	string	The part of the request document that caused the error

Authentication

x-redlock-auth

The x-redlock-auth value is a JSON Web Token (JWT).

Security Scheme Type	API Key
Header parameter name:	x-redlock-auth

Async Scan

The Asyncronous Scan APIs enable you to invoke IaC Scans.

Add Scan Asset Deprecated

POST /iac/v2/scans

(JSON:API) Creates a new asynchronous scan asset in Prisma Cloud. This creation is the first step in running an asynchronous IaC scan.

AUTHORIZATIONS: x-redlock-auth

REQUEST BODY SCHEMA: application/vnd.api+json

data ∨ required	object	
type required	string	Value: "async-scan" Currently, you must set value to "async-scan"
attributes > required	object	

Responses

∨ 201 OK

RESPONSE SCHEMA: application/vnd.api+json

data > required	object

400 JSON.API error response

RESPONSE SCHEMA: application/vnd.api+json

errors > required	Array of objects (IacApiError)	[items]

500 JSON.API error response

RESPONSE SCHEMA: application/vnd.api+json

errors > required	Array of objects (IacApiError)	[items]

Request samples

Payload | Python + Requests | Shell + Curl

Content type
application/vnd.api+json

Copy Expand all Collapse all

```
{
  + "data": { … }
}
```

Response samples

201 | 400 | 500

Content type
application/vnd.api+json

Copy Expand all Collapse a

```
{
```

Feedback

```
  + "data": { … }
}
```

Initiate Scan Job Deprecated

POST /iac/v2/scans/{scanId}

(JSON:API) Initiates an asynchronous scan job. Before making this request, you must use the presigned URL from your scan asset to upload your file to be scanned.

After you've created an IaC scan asset in Prisma Cloud but before you initiate an IaC scan job, you must upload the template(s) to be scanned, to the presigned URL from the response object of your scan asset creation request. An example of a curl command to upload a file is:

```
curl -v -X PUT '<presigned URL>' -T <file name of file to be uploaded>
```

See Use the Prisma Cloud IaC Scan REST API for more details.

AUTHORIZATIONS: x-redlock-auth

PATH PARAMETERS

scanId required	string <uuid> Scan UUID

REQUEST BODY SCHEMA: application/vnd.api+json

data > required	object

Responses

— 200 OK

400 JSON.API error response

RESPONSE SCHEMA: application/vnd.api+json

errors > required — Array of objects (IacApiError) [items]

500 JSON.API error response

RESPONSE SCHEMA: application/vnd.api+json

errors > required — Array of objects (IacApiError) [items]

Request samples

Payload | Python + Requests | Shell + Curl

Content type
application/vnd.api+json

Copy Expand all Collapse all


```
{
  + "data": { … }
}
```


Response samples

400 | 500

Content type
application/vnd.api+json

Copy Expand all Collapse a


```
{
  + "errors": [ … ]
```

```
}
```

Get Scan Job Status Deprecated

GET /iac/v2/scans/{scanId}/status

(JSON:API) Returns the status of the asynchronous IaC scan job that has the specified scan ID.

AUTHORIZATIONS: x-redlock-auth

PATH PARAMETERS

scanId required	string <uuid>	Scan UUID

Responses

200 OK

RESPONSE SCHEMA: application/vnd.api+json

data > required	object	

400 JSON.API error response

RESPONSE SCHEMA: application/vnd.api+json

errors > required	Array of objects (IacApiError) [items]	

Feedback

500 JSON.API error response

RESPONSE SCHEMA: application/vnd.api+json

errors > required — Array of objects (IacApiError) [items]

Request samples

Python + Requests | Shell + Curl

Copy

```
import requests

url = "https://api.prismacloud.io/iac/v2/scans/{scanId}/status"

headers = {"x-redlock-auth": "REPLACE_KEY_VALUE"}

response = requests.request("GET", url, headers=headers)

print(response.text)
```

Response samples

200 | 400 | 500

Content type

application/vnd.api+json

Copy Expand all Collapse all

```
{
  + "data": { … }
}
```

Feedback

Asset Inventory

The IaC Scan Asset Inventory Dashboard APIs enable you to access IaC Scan results.

List IaC Scans Deprecated

GET /iac/v2/scans

(JSON:API) Returns a list of IaC scans that meet the given conditions.

AUTHORIZATIONS: x-redlock-auth

QUERY PARAMETERS

filter object

Filters for scan results.

You can apply a time filter by specifying a **timeType**. Only certain **timeUnit**, **startTime**, **endTime** query parameters apply to certain **timeType** values. The table below lists the time-related parameters that are both valid and required, for each **timeType** parameter.

timeType	Valid and Required Time Parameters
to_now	**timeUnit** where login=from last login epoch=from account onboarding day=from start of day week=from start of week month=from start of month year=from start of year
absolute	**startTime** **endTime**

timeType	Valid and Required Time Parameters
relative	**timeUnit** hour, day, week, month, year **timeAmount**

`timeType` string
Enum: `"to_now"` `"absolute"` `"relative"`
Time type

`timeAmount` integer <int32>
Number of time units

`timeUnit` string
Enum: `"epoch"` `"login"` `"hour"` `"day"` `"week"` `"month"` `"year"`
Time unit

`startTime` integer <int64>
Start time in Unix time (the number of seconds that have elapsed since the Unix epoch) for the absolute time type

`endTime` integer <int64>
End time in Unix time (the number of seconds that have elapsed since the Unix epoch) for the absolute time type

`resourceList` Array of strings
Resource list

`tags` Array of strings
Tag string

`assetType` Array of strings
Asset type

`assetName` Array of strings
Asset name

`failureCriteria` Array of strings
Scan failure criteria expression

`user` Array of strings

Username

status strings
Scan status

groupBy string
Enum:
Aggregate scan results by group of [assetType, assetName, resourceList]

page ⌄ object (JsonApiModelPage)
Pagination parameters

size integer

number integer

sort string
Example:
Sorting parameters. The sort order is ascending unless the field is prefixed with minus (-), in which case it is descending

Responses

⌄ 200 OK

RESPONSE SCHEMA: application/vnd.api+json

meta > object
required

data > Array of objects (JsonApiModelScanTableData) [items]
required

links > object

400 JSON.API error response

RESPONSE SCHEMA: application/vnd.api+json

errors > required — Array of objects (IacApiError) [items]

500 JSON.API error response

RESPONSE SCHEMA: application/vnd.api+json

errors > required — Array of objects (IacApiError) [items]

Request samples

Python + Requests | Shell + Curl

Copy

```
import requests

url = "https://api.prismacloud.io/iac/v2/scans"

querystring = {"filter":"SOME_OBJECT_VALUE","groupBy":"SOME_STRING_VALUE","page":"SOME_OBJE

headers = {"x-redlock-auth": "REPLACE_KEY_VALUE"}

response = requests.request("GET", url, headers=headers, params=querystring)

print(response.text)
```

Response samples

200 | 400 | 500

Content type

application/vnd.api+json

Copy Expand all Collapse all


```
{
  + "meta": { … },
  + "data": [ … ],
  + "links": { … }
}
```


Get Scan Result Details Deprecated

GET /iac/v2/scans/{scanId}/results

(JSON:API) Returns scan result details for the completed scan that has the specified scan ID.

AUTHORIZATIONS: x-redlock-auth

PATH PARAMETERS

scanId required	string <uuid>	Scan UUID

Responses

200 OK

RESPONSE SCHEMA: application/vnd.api+json

meta > required	object	
data > required	Array of objects (IacPolicyViolation)	[items]

400 JSON.API error response

RESPONSE SCHEMA: application/vnd.api+json

errors > required — Array of objects (IacApiError) [items]

500 JSON.API error response

RESPONSE SCHEMA: application/vnd.api+json

errors > required — Array of objects (IacApiError) [items]

Request samples

Python + Requests | Shell + Curl

Copy

```
import requests

url = "https://api.prismacloud.io/iac/v2/scans/{scanId}/results"

headers = {"x-redlock-auth": "REPLACE_KEY_VALUE"}

response = requests.request("GET", url, headers=headers)

print(response.text)
```

Response samples

200 | 400 | 500

Content type

application/vnd.api+json

Copy Expand all Collapse all


```
{
  + "meta": { … },
  + "data": [ … ]
}
```


Get Scan Result Details in OASIS SARIF Format Deprecated

GET /iac/v2/scans/{scanId}/results/sarif

Returns the scan result details in OASIS SARIF format for the completed scan that has the specified scan ID.

AUTHORIZATIONS: x-redlock-auth

PATH PARAMETERS

scanId required	string <uuid>	Scan UUID

Responses

200 OK

RESPONSE SCHEMA: application/json

*property name**	any

400 JSON.API error response

RESPONSE SCHEMA: application/vnd.api+json

errors > required	Array of objects (IacApiError)	[items]

500 JSON.API error response

RESPONSE SCHEMA: application/vnd.api+json

errors > required — Array of objects (IacApiError) [items]

Request samples

Python + Requests | Shell + Curl

Copy

```
import requests

url = "https://api.prismacloud.io/iac/v2/scans/{scanId}/results/sarif"

headers = {"x-redlock-auth": "REPLACE_KEY_VALUE"}

response = requests.request("GET", url, headers=headers)

print(response.text)
```

Response samples

200 | 400 | 500

Content type

application/json

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{ }

Export Assets Scans Report Deprecated

GET /iac/v2/scans/export

(JSON:API) Exports the assets scans report.

AUTHORIZATIONS: x-redlock-auth

QUERY PARAMETERS

filter object

Filters for scan results.

You can apply a time filter by specifying a **timeType**. Only certain **timeUnit**, **startTime**, **endTime** query parameters apply to certain **timeType** values. The table below lists the time-related parameters that are both valid and required, for each **timeType** parameter.

timeType	Valid and Required Time Parameters
to_now	**timeUnit** where login=from last login epoch=from account onboarding day=from start of day week=from start of week month=from start of month year=from start of year
absolute	**startTime** **endTime**
relative	**timeUnit** hour, day, week, month, year **timeAmount**

timeType string

Enum: "to_now" "absolute" "relative"

Time type

timeAmount integer <int32>

Number of time units

timeUnit	string Enum: "epoch" "login" "hour" "day" "week" "month" "year" Time unit
startTime	integer <int64> Start time in Unix time (the number of seconds that have elapsed since the Unix epoch) for the absolute time type
endTime	integer <int64> End time in Unix time (the number of seconds that have elapsed since the Unix epoch) for the absolute time type
resourceList	Array of strings Resource list
tags	Array of strings Tag string
assetType	Array of strings Asset type
assetName	Array of strings Asset name
failureCriteria	Array of strings Scan failure criteria expression
user	strings Username
status	strings Scan status

groupBy	string Enum: supported group by fileds [assetType, assetName, resourceList]
sort	string Example:

Sorting parameters. The sort order is ascending unless the field is prefixed with minus (-), in which case it is descending.

`fmt` string

Example:

Export file format. Currently only CSV format is supported.

Responses

▾ 200 OK

RESPONSE SCHEMA: application/octet-stream

string <binary>

▾ 400 JSON.API error response

RESPONSE SCHEMA: application/vnd.api+json

`errors` > required Array of objects (IacApiError) [items]

▾ 500 JSON.API error response

RESPONSE SCHEMA: application/vnd.api+json

`errors` > required Array of objects (IacApiError) [items]

Request samples

Python + Requests Shell + Curl

Copy

```
import requests

url = "https://api.prismacloud.io/iac/v2/scans/export"

querystring = {"filter":"SOME_OBJECT_VALUE","groupBy":"SOME_STRING_VALUE","sort":"-assetNar

headers = {"x-redlock-auth": "REPLACE_KEY_VALUE"}

response = requests.request("GET", url, headers=headers, params=querystring)

print(response.text)
```

Response samples

400 500

Content type

application/vnd.api+json

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```
{
  + "errors": [ … ]
}
```

Report an Issue