ADLP User Guide

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1. Fleet Management

This section

- discusses Fleet Management APIs.

- applicable to Fleet Customers only.

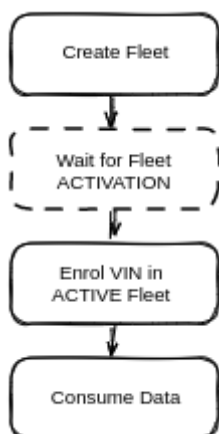- not applicable to other customers (e.g. Insurance & VSC Customers etc).

Figure 1. Steps Overview

In following subsections, We will be discussing

- How to create and manage a Fleet?
- How to Enrol Vins in a Fleet?

1.1. Fleet Definition

Fleet is a group of related VINs. For Fleet Managers, It helps in keeping related VINs together, managing them as a unit and segregating them from another group of related VINs(i.e. another Fleet). It works as a unit of consent.

It helps in consent management for large number of VINs. Fleet customer need not give and manage consent for an individual VIN but once at Fleet level.

> **ℹ** Fleet is required for Fleet customers only. Others do not need it.

1.2. Fleet States & Life Cycle

A Fleet can be in PENDING, ACTIVE, FAILED states as described below -
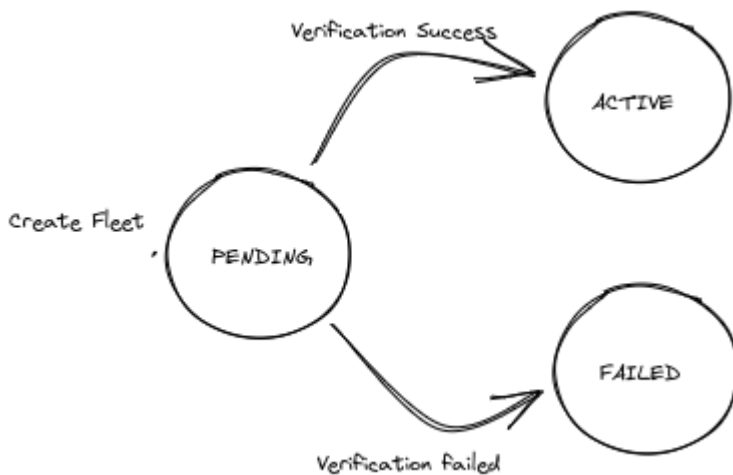

Figure 2. Life Cycle

PENDING
- Fleet is just created.
- its verification is pending from CerebrumX side.
- VIN enrolment is not allowed in this state.

ACTIVE
- Fleet Verification from CerebrumX side is successfully completed.
- VIN enrolment is allowed in this state.

FAILED
- Fleet Verification Failed.
- VIN enrolment is not allowed in this state.

1.3. Fleet Verification

- It is required that Fleet customers upload a valid consent doc with 'CREATE FLEET' API.
- Consent doc gets stored at CerebrumX servers and a notification is sent to CerebrumX Operations team for Verification.
- CerebrumX Operations team verifies the doc
  - If successful, generates a request to CerebrumX Tech Support team to move the fleet to 'ACTIVE' State,
  - If failed, generates a request to CerebrumX Tech Support team to move the fleet to 'FAILED' State.

> **ℹ** Fleet Verification is a manual procedure. Verification Procedure takes maximum 8 working hours from CerebrumX side.

1.4. Fleet APIs

1.4.1. Create Fleet

Description

URL	/api/v1/fleet
Verb	POST
Type	Synchronous
Description	Creates a new Fleet
Response Format	json

Request

HTTP Headers	Name	Description	Required
	Authorization	Bearer Token	Yes
Path Parameters	p1		
Query parameters	q1		
Body	``` { "name": "fleet1" } ```		

Response

HTTP Status Code	200 ("OK")
| Body | ```
{
"id": 1,
"name": "fleet1",
"fleetStatus": "PENDING",
"fleetType": null,
"code": 200,
"message": "SUCCESS",
"failureReason": null
}
``` |

Example 1. Create Fleet

Request

```
POST /api/v1/fleet HTTP/1.1
Authorization: Bearer <access-token>
Host:
adlp-prod-api.cerebrumx.ai(prod)
adlp-staging-api.cerebrumx.ai(staging)

{
   "name": "fleet1"
}
```

Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
"id": 1,
"name": "fleet1",
"fleetStatus": "PENDING",
"fleetType": null,
"code": 200,
"message": "SUCCESS",
"failureReason": null
}
```

1.4.2. Get Fleet

Description

URL	/v1/fleet

Verb	POST
Type	Synchronous
Description	Allows fleet creation
Response Format	json

Request

HTTP Headers	Name	Description	Required
	Authorization	Bearer Token	Yes
Path Parameters	p1		
Query parameters	q1		

Body	<pre>{
	  "id": "",
	  "name": "",
	  "fleetStatus": ""
	}</pre>		

Response

HTTP Status Code	200 ("OK")

Body	<pre>{
	  "id": "",
	  "name": "",
	  "fleetStatus": ""
	}</pre>

1.4.3. Get All Fleets

Description

URL	/v1/fleet
Verb	POST
Type	Synchronous
Description	Allows fleet creation
Response Format	json

Request

HTTP Headers	Name	Description	Required
	Authorization	Bearer Token	Yes

Path Parameters	p1

Query parameters	q1

Body	```json
	{
	   "name": "fleet1"
	}
	``

Response

HTTP Status Code	200 ("OK")

Body	```json
	{
	"id": 1,
	"name": "fleet1",
	"fleetStatus": "PENDING",
	"fleetType": null,
	"code": 200,
	"message": "SUCCESS",
	"failureReason": null
	}
	``

1.4.4. Delete Fleet

Description

URL	/v1/fleet
Verb	POST
Type	Synchronous
Description	Allows fleet creation
Response Format	json

Request

HTTP Headers	Name	Description	Required
	Authorization	Bearer Token	Yes

Path Parameters	p1
Query parameters	q1
| Body | ```json
{
  "name": "fleet1"
}
``` |

Response

HTTP Status Code	200 ("OK")
| Body | ```json
{
"id": 1,
"name": "fleet1",
"fleetStatus": "PENDING",
"fleetType": null,
"code": 200,
"message": "SUCCESS",
"failureReason": null
}
``` |

1.5. Fleet FAQs

Can we enrol VIN against a fleet in 'PENDING' state?

No.

Can we enrol VIN against a fleet in 'ACTIVE' state?

Yes.

Can we enrol VIN against a fleet in 'FAILED' state?

No.

What should we do if fleet is in 'PENDING' state for more than 8 hours?

We at CerebrumX work diligently to make sure it never happens, but still for the rarest case scenarios, you can mail us at support@cerebrumx.ai and expedite your issue.

What should we do if fleet moved to 'FAILED' state?

Delete existing 'FAILED' Fleet. Create a new Fleet from the start.

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