**This documentation explains you that how to interact with charge bee API and how to use chargebee NPM package with NodeJS.**

**Plans:** Specifies the price with billing frequency for a subscription. Create separate plans for varied price or billing frequency.

**Subscription:** Subscription represents the recurring items a customer has subscribed to. The recurring items can be - plan, addons.

**Addons:** Addons are additional charges applied to a subscription apart from the base plan charge. The addons can be recurring or non-recurring.

* **Basic Key Attributes for PLAN**
  + **id:** A unique ID for our system to identify the plan. string, max chars=100.
  + **name:** The display name used in web interface for identifying the plan.
  + **invoice\_name:** Display name used in invoice. If it is not configured then name is used in invoice. optional, string, max chars=100.
  + **period** : Defines billing frequency. Example: to bill customer every 3 months, provide "3" here. *integer, default=1, min=1*
  + **period\_unit:** Defines billing frequency in association with billing period. enumerated string, default=month, other value: week, month, year
  + **trial\_period:** The free time for customer to try product freely.
  + **trial\_period\_unit:** validvalue is day, month.
  + **price:** The price(in cents) of the plan. default=0, min=0**.**
  + **All other attributes are listed here** <https://apidocs.chargebee.com/docs/api/plans> **with description.**
* **Basic Key Attributes for Subscription**
  + **id:** A unique identifier to identify the subscription. You will use this to perform all operations on this subscription.
  + **customer\_id:** Identifier of the customer with whom this subscription is associated.
  + **plan\_id:** Identifier of the plan for this subscription, value type: string.
  + **plan\_quantity:** Represents the plan quantity for this subscription. integer, default=1, min=1.
  + **billing\_period:** Defines billing frequency. Example: to bill customer every 3 months, provide "3" here. Optional.
  + **billing\_period\_unit:** Defines billing frequency in association with the billing period. possible values: week, month, year
  + **status:** Current state of the subscription (Auto Update).

**future:** The Subscription is scheduled to start in a future date.

**in\_trial:** The subscription is in trial.

**active:** The subscription is in active state and will be charged at start of each term based on the recurring items(plan & addons etc.).

**non\_renewing:** The subscription will be cancelled at end of the current term.

**paused:** The subscription is paused. No new recurring actions will be allowed, but any pending payments will be collected.

**cancelled:** The subscription has been cancelled. No new recurring actions will take place, but any pending payments will be collected.

* + **All other attributes are listed here** <https://apidocs.chargebee.com/docs/api/subscriptions> **with description.**
* **Basic Key Attributes for ADDONS**
  + **id:** A unique ID for your system to identify the addon.
  + **name:** The display name used in web interface for identifying the addon.
  + **price:** Addon price is calculated based on the addon type and charge type. Learn more.
  + **period:** Applicable only for recurring-addons. Along with 'period\_unit' decides the term-price of this addon. optional, integer, min=1
  + **period\_unit:** Applicable only for recurring-addons. Along with 'period' decides the term-price of this addon.

**week:** Charge based on week(s).

**month:** Charge based on month(s).

**year:** Charge based on year(s).

**not\_applicable:** not applicable for this addon.

* + **invoice\_name:** Display name used in invoice. If it is not configured then name is used in invoice, Optional.
  + **description:**  Additional text displayed in the customer portal to describe the addon, optional
  + **charge\_type:** Type of charge.

**recurring:** Charges are automatically applied in sync with the billing frequency of subscription.

**non\_recurring:** Charged immediately and only once every time it is applied.

* + **type:** Select "On-Off" to charge a flat fee or "Quantity" for unit based charges.

**on\_off:** Addon that does not have any quantity associated and can only be enabled or disabled. Example: On call support at $99 per month.

**quantity:** Allows user to specify how many units of that item they want to buy. Example: 2 additional support agents at $10 each.

* + **All other attributes are listed here** <https://apidocs.chargebee.com/docs/api/addons> **with description.**
* **CREATE NEW PLAN**
  + **Chargebee\_Method:** chargebee.plan.create(DATA\_OBJECT)
  + **Data\_Object:** A JSON Object contains the plan definition like name, id, invoice\_name, period, trial\_period and other listed in chargebee api documentation.
  + **Sample Request Object:** {

“id”: “41841a96-b8af-42f5-b07a-dfd309d5a1b4”,

“name”: “Full Plan”,

“invoice\_name”: “Full\_name”,

“description”: “Plan description”,

“period” : “1”,

“period\_unit”: “month”,

“trial\_period”: “1”,

“trial\_period\_unit”: “day”,

“price”: “99900”,

“meta\_data”: JSON Object

}

* **UPDATE CURRENT PLAN DEFINITION** 
  + **Chargebee\_Method:** chargebee.plan.update(PLAN\_ID, DATA\_OBJECT)
  + **Plan\_Id**: Plan id which you wants to update.
  + **Data\_Object:** a JSON Object contains the updated attributes like taxable, currency\_code, invoice\_name and others listed in docs.
  + **Sample Request Object:** {

"plan\_id": "ec6e4556-1520-4a4b-bf00-86deb3f0c89c",

"invoice\_name": "new invoice name",

"taxable": true,

"currency\_code": "USD"

}

* **CREATE SUBSCRIPTION FOR CUSTOMER (Customer purchasing plan)**
  + **Chargebee\_Method:** chargebee.subscription.create(DATA\_OBJECT)
  + **Data\_Object:** a JSON Object contains attributes like plan\_id, auto\_collection, customer, card and others listed in docs.
  + **Sample Request Object:** {

"plan\_id": "ec6e4556-1520-4a4b-bf00-86deb3f0c89c",

"auto\_collection": "on",

"customer": {

"first\_name": "Dennis",

"last\_name": "Ritchie",

"email": "[dennis@yopmail.com](mailto:dennis@yopmail.com)",

"phone": "+1-777-999-9999",

"auto\_collection": "on"

},

"card": {

"gateway\_account\_id": "your gateway id",

"first\_name": "Dennis",

"last\_name": "Ritchie",

"number": "\*\*\*\*\*\*\*\*\*\*\*\*242",

"expiry\_month": 2,

"expiry\_year": 2020,

"cvv": "123"

}

}

* **CREATE NEW ADDON PLAN** 
  + **Chargebee\_Method:** chargebee.addon.create(DATA\_OBJECT)
  + **Data\_Object:** A JSON object contains addon plan’s attributes like name, id, type, charge\_type, price, period and other required attributes listed in docs.
  + **Sample Request Object:** {

"id": "extra-crm-uploader",

"name": "CRM & Uploader",

"type": "on\_off",

"charge\_type": "recurring",

"price": 19900,

"period": 1,

"period\_unit": "month",

“meta\_data”: JSON Object

}

* **UPDATE ADDON PLAN**
  + **Chargebee\_Method:** chargebee.addon.update(ADDON\_PLAN\_ID, DATA\_OBJECT)
  + **Addon\_Plan\_Id**: Addon Plan id which you wants to update.
  + **Data\_Object:** a JSON Object contains the updated attributes like period, period\_unit, meta\_data and others listed in docs.
  + **Sample Request Object:** {

"period": "4",

"period\_unit": "week",

"meta\_data": {

"CRM\_Create\_Invoice": "1",

"UPLOADER\_Create": "3"

},

}

* **PURCHASE ADDON PLAN FOR CUSTOMER ( WHO HAVE PURCHASED BASIC PLAN )**
  + **Chargebee\_Method:** chargebee.subscription.update(SUBSCRIPTION\_ID, DATA\_OBJECT).
  + **Subscription\_id:** Customer’s basic subscription id in which addon plan will be add.
  + **Data\_Object:** a JSON object containing updated addons values.
  + **Sample Request Object:** {

addons: [{

“id”: “extra-crm-uploader”

}]

}