API

Overview

The Komet Sales API helps you develop additional tools that are directly tied into the system. This will allow growers, customers or 3rd parties (such as other technology companies or your in-house developers) to expand and build on the Komet Sales platform.

The API is an interface for accessing the Komet Sales data using HTTP and JSON. The API makes it easy to create web and desktop applications that integrate with the Komet Sales. Some potential uses include:

- Creating a customized e-commerce solution that uses Komet Sales as the backend for order processing and inventory management.
- Allowing the growers to integrate Komet Sales directly into their systems to review/confirm orders.
- Integrating with your CRM system.
- Interacting with other 3rd party systems that your company uses.

How to use the API

The Komet Sales API has a single point of entry:

```
https://api.kometsales.com/api/method.action
```

Please note that all requests must be submitted using SSL. You must send an authentication token per each request. Please use the login method to get your token and save it into your application. You will be able to use the same token from this point forward. You can also create tokens that are not linked to a user and access to a specific set of API methods can be limited.

Please note that the API is limited to 1,000 requests per user per day, based on the plan that the company has in Komet Sales. In other words, if the company is paying for 3 users in Komet Sales, your external system can only call the Komet Sales API 3,000 times (1,000 x 3) per day.

Tokens Generation

Tokens are an authentication mechanism that allows access to the API methods for the company. To set up a token, please follow these instructions:

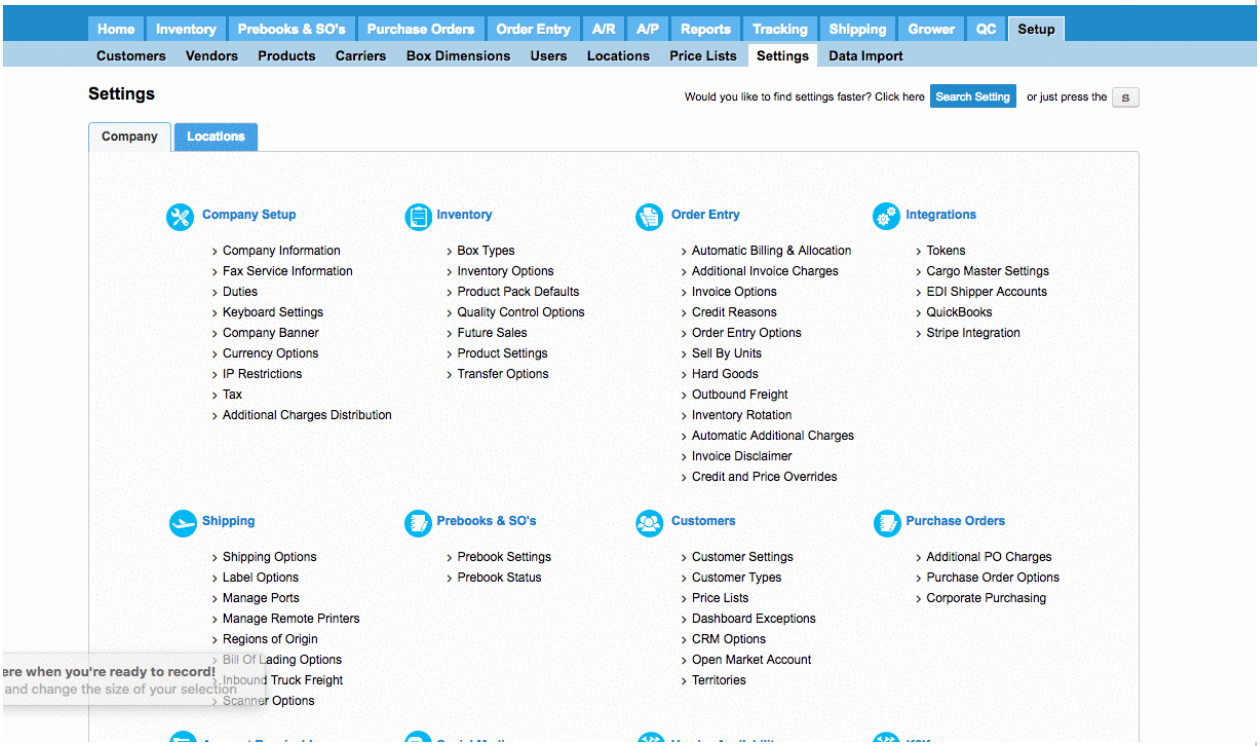
1. Go to **Setup > Settings** and click on the "**Tokens**" link.
2. If a new token needs to be created, click on the **New Token** green button located on the right-hand side of the window.

3 Select which **Token Type** needs to be added: **Company**, **Customer** or **Vendor.**

4 Input the information requested in order to complete the process:

- Enter the token description, for example, "managing inventory".
- Select the API method needed from the list available, in this case, "inventory.add".
- Click on the **Generate button** and the system will create a token composed of numbers and letters. If the token was created for a **Customer,** the token must be sent to the customer.
- Click on **Save**.

5 If the token needs to be edited, go to the "**Actions**" column, click on "**Edit**" and Save.



Conventions

- Items in **bold** are required.
- Date and time values are of the form YYYY-MM-DD HH:MM:SS.
- All time values are returned in UTC timezone. You can learn more about UTC here.
- Booleans are either 1 (true) or 0 (false).

HTTP Status Codes

Some of the responses may contain HTTP status codes as the following:

Code	Status	Description
200	OK	The request succeeded.
201	Created	The request has been fulfilled and the resource created.
204	No content	The request succeeded. However, the response does not have any content.
400	Bad request	The request was invalid.
401	Not authorized	The authentication token does not have enough privileges.
403	Forbidden	The server has rejected the request.
404	Not found	The resource requested does not exist on the server.
408	Timeout	The time allowed for the server to complete the request has been reached.
429	Too many request	You have exceeded the rate limit.
500	Server Error	Malfunctioning script, server configuration error or similar.

Integrations for Vendors

Komet is integrated directly with cargo agencies and grower systems such as Unosof, Ventures, Vida 18, Cargo Master and some other systems. You can also virtually connect Komet with your system through the next methods.

Need	Utilidad
Change box codes	The method box.code.change allows changing one or more box codes.
Obtain a list of box types	The method boxtype.list allows to obtain a list of box types sorted by box type code.
Obtain a list of products	The method product.list allows to obtain a list of products with its description.
Create Purchase Orders	The method purchase.order.create allows to create Purchase Orders based on Prebooks.
Add products to an AWB	The method purchase.order.item.awb.add allows adding product lines of a Purchase Order to an AWB.
Delete items from a Purchase Order	Through the method purchase.order.item.delete users can delete products from a Purchase Order.

Obtain a list of Purchase Orders	The method purchase.order.list returns a list of Purchase Orders with its corresponding details.
Create Purchase Orders with assorted product	Through the method purchase.order.mixed.create users can create Purchase Orders with assorted products of Prebooks in units.

Integrations for Prebooks and Purchase Orders

Need	Available Methods
Create/Update Prebooks	The method prebook.create allows users to add a Prebook to Komet Sales and update existing Prebooks.
Delete Prebooks	With the method prebook.item.delete users can delete Prebooks from Komet Sales. In case this method is used with a vendor token, the system will update the quantities to 0.
Obtain a list of Prebooks created in Komet	This method returns a list of Prebooks with their corresponding details.
Create Purchase Orders	The method purchase.order.create allows to create Purchase Orders based on Prebooks.
Add items to a AWB	The method purchase.order.item.awb.add allows to add product lines of a Purchase Order to an AWB.
Delete items from Purchase Orders	Through the method purchase.order.item.delete users can delete products from a Purchase Order.
Obtain a list of Purchase Orders created in Komet	The method purchase.order.list returns a list of Purchase Orders with its corresponding details.
Create Purchase Orders with assorted product	Through the method purchase.order.mixed.create users can create Purchase Orders with assorted products of Prebooks in units.

List of API Methods

additional.charge.add	invoice.confirm
additional.charge.list	invoice.create
additional.charge.update	invoice.details.list

awb.details.list	invoice.item.add
awb.future.list	invoice.item.delete
awb.future.save	invoice.item.update
awb.list	invoice.list
box.code.change	invoice.mark.sync.status.error
box.externalcode.update	invoice.mark.sync.status.ok
box.invoice.shipment.confirm	invoice.pdf.get
box.move.awb	invoice.pod.receive
box.position.change	invoice.update
box.warehouse.receive	invoice.void
box.warehouse.ship	location.list
boxtype.list	login
carrier.add	login.forgot.password
carrier.list	multiple.prebooks.create
carrier.update	open.credit.balance.create
carriers.by.customer.ship.date.list	payment.list
category.list	payment.mark.sync
company.list	payment.method.list
company.location.list	payment.receive
credit.details.list	pick.ticket.scanning.status.list
credit.mark.sync	pickticket.details.list
customer.add	prebook.create
customer.additional.charge.update	prebook.details.list
customer.by.company.list	prebook.future.item.add

customer.by.user.list	prebook.item.delete
customer.contact.add	prebook.list
customer.contact.delete	prebook.update
customer.contact.list	prebook.vendor.availability.item.add
customer.contact.update	product.add
customer.day.service.update	product.list
customer.details.get	product.update
customer.list	purchase.order.create
customer.reward.set	purchase.order.item.awb.add
customer.shipto.add	purchase.order.item.confirm
customer.shipto.delete	purchase.order.item.delete
customer.shipto.list	purchase.order.item.price.update
customer.shipto.update	purchase.order.item.reference.update
customer.update	purchase.order.items.awb.add
ecommerce/customer-carriers.list	purchase.order.list
ecommerce/inventory.get	purchase.order.mixed.create
ecommerce/inventory.list	purchase.order.va.details.list
ecommerce/inventory-available-dates.list	standing.order.list
ecommerce-lite/settings	Tokens
future.inventory.openmarket.list	vendor.add
grower.report.get	vendor.availability.items.list
Integrating Komet With Other Systems	vendor.invoice.mail.receive
inventory.add	vendor.list
inventory.consolidated.openmarket.list	vendor.update

inventory.delete	web-order.checkout
inventory.list	web-order.create
inventory.openmarket.list	web-order.delete
inventory.update	web-order-details.list
invoice.accounting.details.list	web-order-item.add
invoice.checkout	web-order-item.delete

How to Test an API Method

In the next example, we use Postman to test API methods. Postman is a API Development Environment. Other API Development Environment include Insomnia, SoapUI, curl, etc.

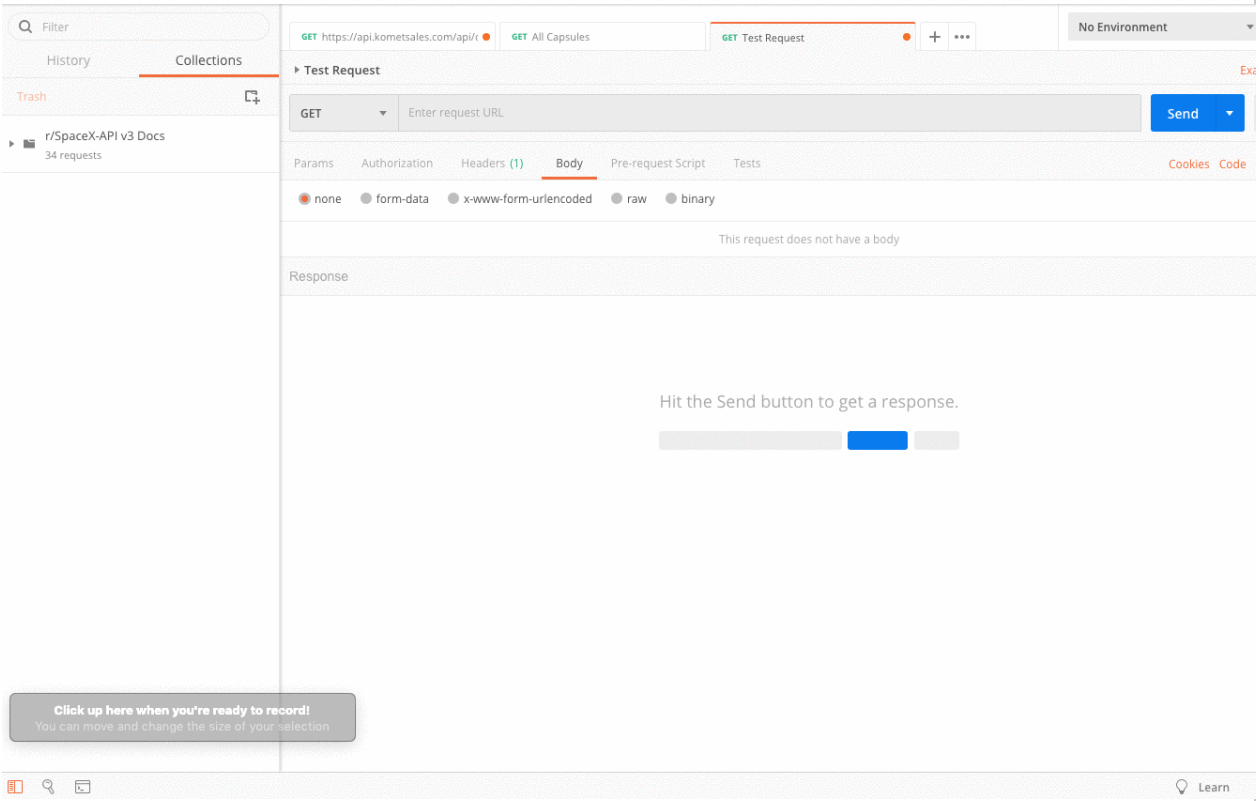
Within Komet, there are two basic types of request: POST and GET.

Instructions to test POST methods

POST methods are used to send data to a server to create/update a resource.

1. Open the Postman App.
2. Choose the request type (POST).
3. Select the format. This can be selected from the Body Type. In this case, is JSON.
4. Click on the Body tab. Check the raw option. The "Text" dropdown menu and select JSON (application/json).
5. Enter the URL of the request and then proceed to enter the parameters.
6. To enter the parameters, you can copy and paste the sample request. Click on Beautify so the format is corrected.

7 Verify the parameters and once you have finished click on Send. The method should return the results, as it is shown on the documentation response sample.



Instructions to test GET methods

GET methods are used to request data from a specified resource.

1 Open the Postman App.

2 Choose the request type (GET).

3 Enter the URL that correspond to the request.

4 For GET methods, you must enter the URL params.

5 Click on Params. Proceed to enter each input parameter required (e.g. authentication token). Once you have finished, click on Send.

Information

Some methods will require additional information on the header, such as X-SALES-CHANNEL, X-ACCOUNT. This information must be entered in the same way the input parameters are entered.