

1.	Introduction .....	2
2.	Conditions for order integration .....	2
3.	Order transfer Web shop to Fortnox .....	3
3.1.	Shopify2Fortnox solution.....	3
3.2.	Preparations for a quick start.....	3
3.3.	Authorization to Shopify .....	4
3.4.	Authorization to Fortnox.....	4
3.5.	Detailed description.....	6

## 1. Introduction

Bosbec is an automation platform based on low code that makes it possible to easily and safely build your automation and integration solutions. You create these solutions using a workflow builder.

The platform supports various channels to receive and send data, such as http, email, text messages and more, enabling seamless communication with other services and systems. Once you've built your solution, you can immediately deploy it by pressing "live", making the solution ready for use instantly.

Unlike similar platforms where you might need to write your own scripts, Bosbec provides predefined jobs for various tasks. This approach ensures your solutions are constantly tested and verified for optimal performance. Additionally, Bosbec offers a dynamic and flexible environment, allowing you to adjust and modify your workflows effortlessly to meet changing needs and requirements.

## 2. Conditions for order integration

This is an example of an order integration. In this integration, there are certain conditions if you use it exactly as it is built. You can easily change these conditions if you need to in your workflow.

- Order status is set as Fulfilled.
- We create customer from Shopify, but we don't update the customer if it already exists in Fortnox.
- Billing address in Shopify is set as Customer's address in Fortnox and shipping address is set as delivery address in Fortnox.
- The customer number from Shopify becomes the customer number in Fortnox.
- Order information from Shopify is entered into Fortnox where each product gets its own row and is entered by name without article number with quantity and price.
- Freight is entered into Fortnox from Shopify .
- VAT is fixed at 25%. In this example, it is a web shop that sells to consumers with a price incl. VAT.
- To book the order in Fortnox, the following is done.
  - o The order document number from Shopify is used to indicate that the product has been delivered.
  - o Invoice is created as "cash invoice"
  - o The invoice is bookkeeping

### 3. Order transfer Web shop to Fortnox

Every new order that comes in from a web shop goes directly to Fortnox.

This document describes step by step how an integration between Shopify and Fortnox is built with Bosbec's platform. Since this is an example, it should be pointed out that conceptually it could just as easily be another web shop as well as another business system.

The following steps are followed:

1. Workflow in Bosbec
2. The integration towards Fortnox
3. The integration towards Shopify

#### 3.1. Shopify2Fortnox solution

As a partner to Bosbec, you can create an integration that you can publish in Fortnox or create an integration directly for a customer. If you want to create your own app in Fortnox , you can find more information here <https://support.fortnox.se/komigangguide-tjanster/kom-igang-med-utvecklarportalen> .

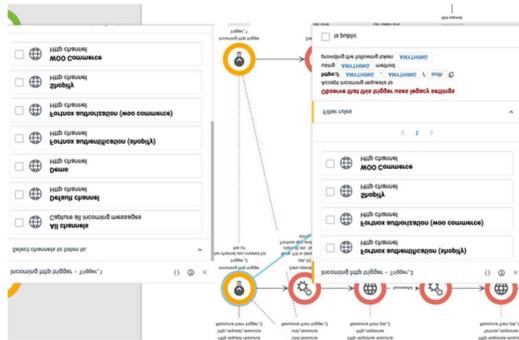
#### 3.2. Preparations for a quick start

- Create an account <https://bosbec.com/#signup>
- Create your channel see <https://help.bosbec.com/knowledge-base/channels-incoming/>
- Create your groups under resources.
  - o Create following groups and name them.
    - Token
    - Customers Fortnox
- Fill in your credentials under settings and account settings:

Account	
KEY	VALUE
fortnox_client_id	1eOgDFKkLWJ
fortnox_client_secret	mNFbojDClc
fortnox_redirect_uri	https://domain.in.bosbec.io/auth

- Open a workflow go to “File” and choose “Import workflow from wfb file”.

- Connect your channel in the workflow with Trigger 1 and Trigger 2.



- All set and now you only need to make the authentication part in Shopify and Fortnox.

### 3.3. Authorization to Shopify

To access the Shopify API and generate API keys from your Shopify admin panel, follow these steps:

1. Sign in to your Shopify account.
2. Navigate to " Apps ".
3. Go to " App and Sales Channel Listing ".
4. Navigate to "Develop Apps ".
5. Click the "Create an app " button.
6. Give the app a suitable name and click "Create app ".
7. After creating the app, go to the "Configure" tab.
8. Click the "Configure" button for Admin API integration, where you can set the permissions (scopes) for your app, such as read and write access to various Shopify APIs . Select all required permissions for your app and click "Save".
9. In the tab "API references" you get the API key and API secret key. The API key is used for authentication.
10. Click the "Install App " button to install the custom app you have set up.
11. After you install the app, you will receive the " Admin API Access Token", which is your access token to request data from the Admin API.

The next step is to create a webhook in Shopify. You can read at the following link how to do <https://shopify.dev/docs/apps/webhooks>.

To create endpoints in Bosbec see <https://help.bosbec.com/knowledge-base/channels-incoming/>.

### 3.4. Authorization to Fortnox

The authorization process Fortnox uses is OAuth2. It applies in two stages.

1. First, you get an authorization code where the user approves the application and access to the account.
2. Access token and refresh token are then generated.

An overall description can be found here <https://www.fortnox.se/developer/authorization>

To begin with, you create a url that the user must click on. To create this, the following parameters are needed;

- Authorization URL that is <https://apps.fortnox.se/oauth-v1/auth>
- The Client ID is the public identifier for the app
- Redirect-uri – Channel created in Bosbec
- Scope (list of scopes can be found at this link <https://www.fortnox.se/developer/guides-and-good-to-know/scopes> )
- The State parameter is used to store request-specific data and/or prevent CSRF attacks. You can choose a number yourself.
- Access\_type - Specifies whether the app can update access tokens when the user is not present in the browser.
- Response\_type ( required ) - Response\_type should be code , indicating that the program expects to receive an authorization code if successful.
- Account\_type (optional) - Specifies whether to create a service account. The service account must be enabled if you use the Developer Portal. A service account is not associated with any specific user and has a specific set of permissions appropriate for integrations within the requested scopes. There can only be one service account per client\_id and customer. Only system administrators at the customer can authorize service accounts during the authorization process. The only valid value is "service", if a service account is to be created.

Fortnox API OAuth 2.0 authorization request URL will look like this:

[https://apps.fortnox.se/oauth-v1/auth?client\\_id={Client-ID}&redirect\\_uri={channel from Bosbec}&scope=companyinformation order customer article bookkeeping invoice payment&state=12345&access\\_type=offline&response\\_type=code&account\\_type=service](https://apps.fortnox.se/oauth-v1/auth?client_id={Client-ID}&redirect_uri={channel from Bosbec}&scope=companyinformation order customer article bookkeeping invoice payment&state=12345&access_type=offline&response_type=code&account_type=service)

Fill in the Client ID and the url from you created in Bosbec.

For this integration that manage orders, we have used the following scope (in url):

- company information
- order
- customer
- article
- bookkeeping

- invoice
- payment

If you want to integrate another system into the same flow, such as, e.g., POS systems, inventory management, etc., you may need more scopes.

### 3.5. Detailed description

See the detailed description of the workflow in the document “detailed description” to understand how it was built. You can also make changes to the workflow if needed.

Should you need help with the automation, don't hesitate to contact us ([support@bosbec.com](mailto:support@bosbec.com)).