**Assignment Documentation**

**Job queue('s) for invoicing per country**

Customized tables

User setup

Fields – Sales Order default Country. Table relation of countries/regions

Countries/Region

Field - Load on sales order Boolean.

Sales Header

Field country of Order – table relation of country/Regions

Customized Pages

User Setup

Fields – Sales Order default Country.

Countries/Regions

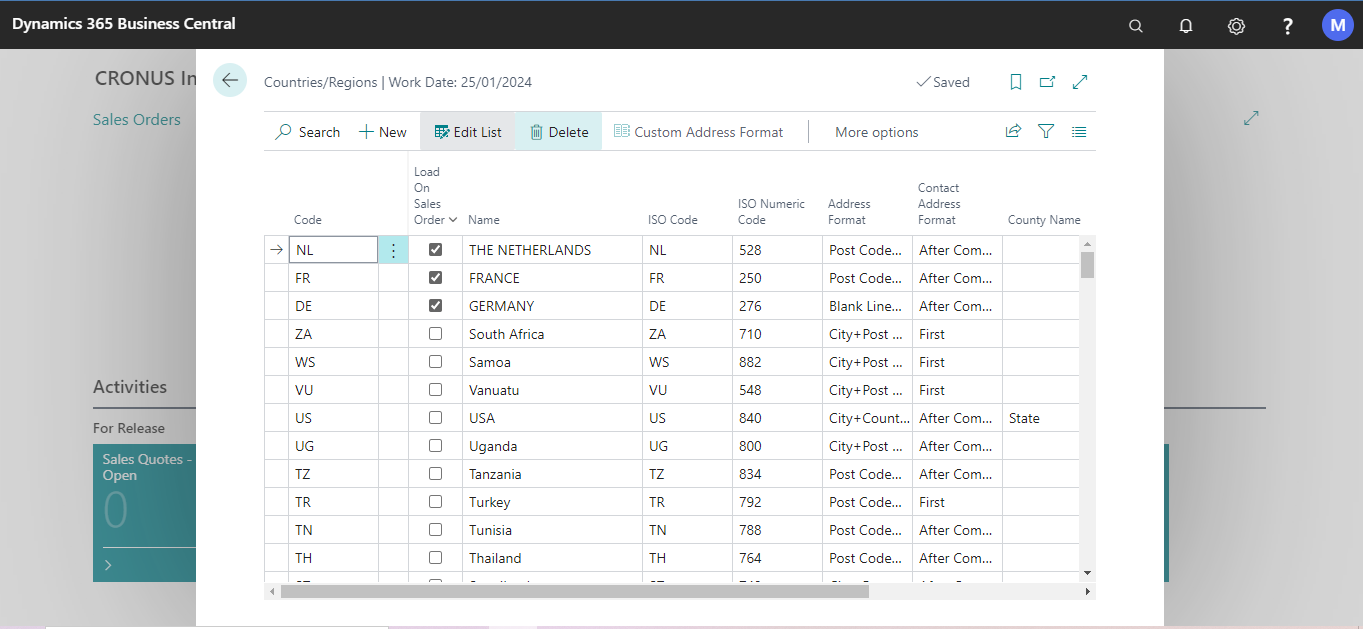
Field - Load on sales order Boolean.

Sales Order

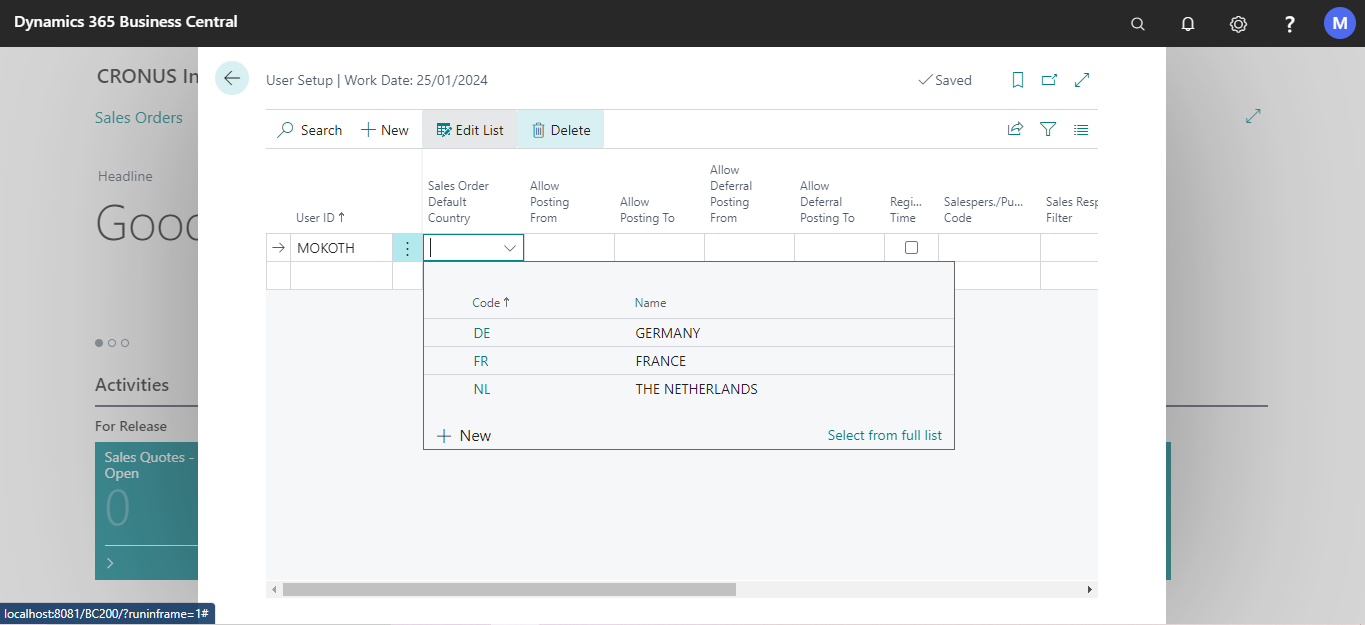
Field country of Order – table relation of country/Regions

**Process**

The first setup take place in the countries/Regions page that defines the different country that you want to track for invoicing for our case it’s the Netherlands, Germany, and France. So in necessary to check the field Load on sales order.



The second setup is on the user setup where you can choose to give the users raising the order a Default country by selection a country on the Sales Order default country.



If the field is blank then when ever a user is raising a sales order he or she will be prompted by a the screen below.

Graphical user interface

Description automatically generated

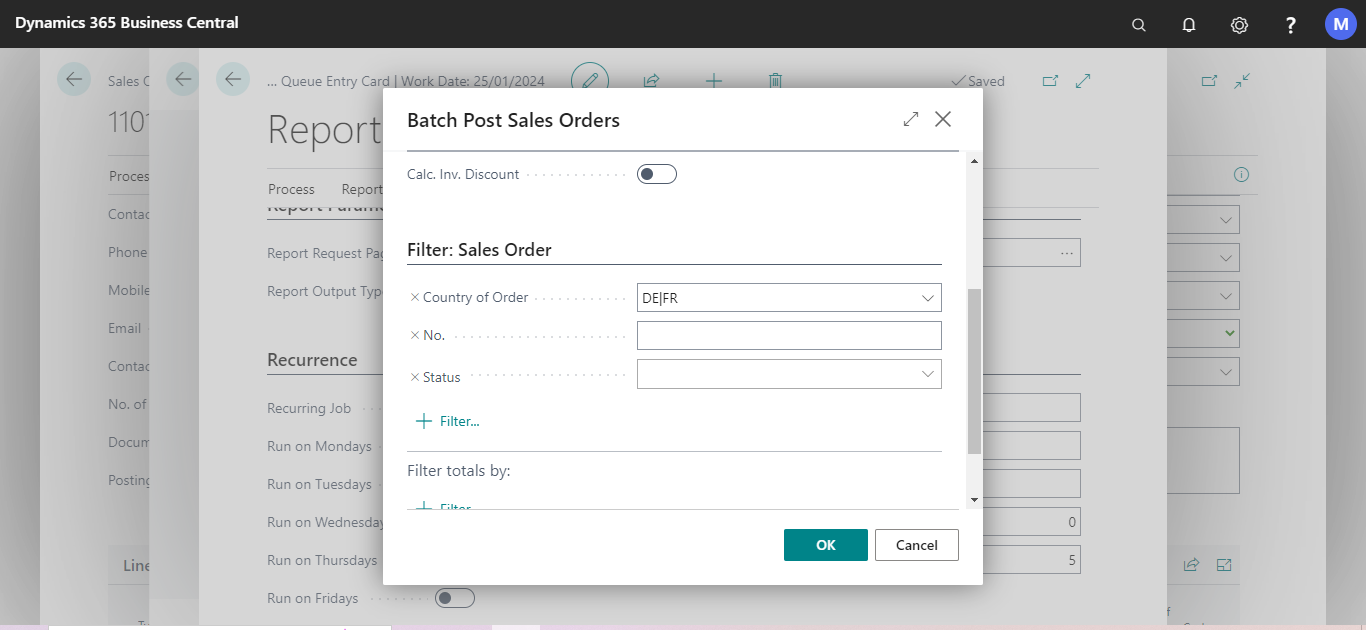
Once you select a country the field country of order will automatically be populate with the country selected. This country will be used in the job queue entries to determine the frequency and what order need to be posted ate what time.

**Note**

To mute the pop up above you can simply add a default country for a user on the user setup and the field country of order will pick what ever has been set in the user setup.

Once that is done it’s time to use the report number 296 Batch post sales order to post order

For French and German order that need to posted once a week select the field report request page and filter the report as below



Then after that we can set the recurrence of the report which should be per week we can as well select a day we want it to run. Currency the field next run date from formula is set to today.

Graphical user interface, text, application, email

Description automatically generated

The Netherlands order we can can also set on job queues for it but the intervals minute to 2,4,5 minute of any amount of time the company consider soon enough. Remember on the Report request page the conntry must be set to The Netherlands.

**Build an API for creating and releasing Sales Orders**

The first step is to get the API links from business central by going the web services and for that we need to create two API lines for the sales order and sales order line and we will be using the OData V4 URL as below

Graphical user interface, text, application, email

Description automatically generated

First let highlight a few things I noticed

1. You cannot post the lines first before the header because the line requires customer Number to be generated
2. You cannot post another line on a release document.

Then first thing to do is to post the header with the required fields as below. Used javascript react and Axios to make the api call

  const HeaderData = {

    Sell\_to\_Customer\_No: "",

    Sell\_to\_Contact\_No: "",

    Ship\_to\_Code: "",

    Ship\_to\_Contact: "",

    Ship\_to\_Address: "",

    Ship\_to\_Country\_Region\_Code: "",

    Sell\_to\_E\_Mail: "",

    Quote\_No: "55444",

Promised\_Delivery\_Date: ,

  };

  axios

    .post(

      `http://dpt-lpt-32:7048/BC200/ODataV4/Company('CRONUS%20International%20Ltd.')/SalesOrder`,

      HeaderData,

      {

        auth: {

          username: "MOKOTH",

          password: "Akmakm2022.",

        },

      }

    )

The second step is to check the response status of the API if it is status code 201 then the lines posting should follow remember to hold the Header No in a global variable because its required by the lines as the document no. so it need to be stored for the entire cycles of order POST process. Here is how the lines will follow.

    .then(

      (response) => {

        HeaderNo = response.data.No;

        console.log(response.data.No);

        const lineData = {

          Document\_No: HeaderNo,

          Type: "Item",

          No: "1920-S",

          Unit\_Price: 420.4,

          Quantity: 4,

          Line\_Discount\_Percent: 19,

        };

        if (response.status == 201) {

          axios

            .post(

              `http://dpt-lpt-32:7048/BC200/ODataV4/Company('CRONUS%20International%20Ltd.')/SalesOrderLine`,

              lineData,

              {

                auth: {

                  username: "MOKOTH",

                  password: "Akmakm2022.",

                },

              }

            )

After this the line will be posted and it now the time to check the if promised delivery date has a value again in the header and if it does then we make a put request on the header to modify the status to release else it should end there.