creditsafe

User Manual

Creditsafe Connect for Dynamics 365 Business Central

Introduction

Creditsafe Connect is an extension to Microsoft Dynamics 365 Business Central (called BC in this document) that makes on-line services from Creditsafe available directly in BC. Examples of services are:

- Company and person search.
- Retrieval of credit information for companies and persons.
- Monitoring of companies.
- Credit check of companies and private individuals (the latter only in Sweden).

This documentation applies to Creditsafe Connect for BC Release Wave 2 (BC17) and later. For NAV2016 to BC14 there is a C/Side-based solution and for BC15 an app.

Creditsafe Connect Integrates with Creditsafe Swedish online service for Swedish companies and persons and Creditsafe's Global Connect service for companies outside Sweden.

Table of Content

1   Definitions

EXPRESSION	DESCRIPTION
MONITORING OBJECT	A company or private individual that has been found in Creditsafe's datasources by using the search function in Creditsafe Connect and saved in the BC database. A monitoring object can be used to create a customer and/or a vendor and are used to track credit ranking, performing credit checks etc.
DATASOURCE	An on-line service from which credit information can be retrieved. Creditsafe Connect Supports Creditsafe's Swedish service and Global Connect.
CREDITSAFE SWEDISH SERVICES	Creditsafe Online Services for Swedish private individuals and companies. *Swedish companies should use the Swedish webservice for the search of Swedish companies and persons. The Swedish service is more feature-rich than GGS and handles private individuals which are available in GGS.*
GLOBAL CONNECT	Creditsafe Online services for companies outside of Sweden. Global Connect does not handle private individuals. Creditsafe titles this service "Creditsafe Connect" which is the new REST-based endpoint. When using the term Global Connect in this document we are referring to the REST based Connect-service at Creditsafe.
REPORT	A set of data in Creditsafe.
REPORT PARAMETER	A title for a value in a report (for example, "Credit Limit").
REPORT PARAMETER GROUP	A group header that collects several parameters.
CHANGE CHECK	A call to check for changes made to the company/person that may mean that new data should be retrieved. Example of Change can be rating, composition, bankruptcy information etc. Note: To use change check in Global Connect the monitoring object needs to be added to a monitoring portfolio.
PORTFOLIO	A collection of companies that have been set up for automated change control.
CREDIT TEMPLATE	A definition of rules that determine whether a company/person is considered approved for credit sale or not. In Creditsafe Swedish service, rules can be defined in the Creditsafe Web interface while Global Connect is missing support for Credit template. In Creditsafe Connect, rules can also be applied locally to downloaded report data to make Credit template functionality available also for Global Connect data.
RANKING	Describes credit risk.
RATING INDEX	A numeric value for Credit rating.
CREDIT RANKING GROUP	A credit rating (A-F) used for companies common to the Swedish data source and Global Connect.
SCORING	Describes solvency.
SCORING INDEX	A numeric value for credit scoring.
CREDIT SCORING GROUP	A credit rating (A-F) used for private persons, hence only for the Swedish data source.

2   Supported datasources

DATASOURCE	DESCRIPTION
SWEDEN	Supports search for Swedish (only) companies and consumers, data reports, pdf reports etc. This datasource supports credit template definitions on Creditsafe's website. These credit templates can be used to check a customer against from within BC.
GLOBAL CONNECT	Supports search for Swedish companies and consumers, data reports, pdf reports etc. for all countries supported by Creditsafe. Global Connect does not support online credit templates like the Swedish datasource. Instead rules base don report data is defined in BC.
NORWAY – CONSUMER	Support search for Norwegian (only) consumers and data reports.

3   Prerequisites for setup

Before you start setup Creditsafe Connect you need to make sure that you have the necessary prerequisites for the datasources you are planning to use.

DATASOURCE	PREREQUISITES
SWEDEN	- Username for API-integration - Password - Name(s) of credit template(s) created on creditsafe.se
GLOBAL CONNECT	- Username for the REST-based Creditsafe Connect Service - Password
NORWAY – CONSUMER	- Username - Password

If you want to enable Demo Mode in the assisted setup, encryption must be enabled for the database.

4   Assisted Setup

After the app has been installed the first step is to run the Assisted Setup. Use "Tell Me" to search for "Assisted Setup" and scroll down to the assisted setup for Creditsafe Connect. Click on "Set up Creditsafe Connect" to begin. You can go back and forth in the Assisted Setup and nothing will be saved to the database until you click "Finish" in the last step.

4.1   Welcome

The assisted setup starts with a welcome screen where you can choose to use demo mode (limited to five (5) requests to Creditsafe or continue using real accounts with usernames and passwords. If the demo mode option is not visible, encryption is not enabled for the database.

If you have been using Creditsafe Connect in demo mode and want to start using the app with real user names and passwords, you simply run Assisted Setup again.

Click "Next" to continue.

4.2 Select datasources

Creditsafe Connect Setup

⚙️

Select datasources

Click on "Help" below to read the about datasources in the user manual.

Sweden · ⬜

Global Connect · · · · · · · · · · · · · 🟢

Norway - Consumer · · · · · · · · · · · ⬜

| Help | Back | Next | Finish |

If your company is in Sweden, you will most probably use the Swedish datasource for Swedish companies and private individuals. For searching companies outside of Sweden, you need the global datasource.

If your company is not in Sweden, you will probably use only the global datasource (where you also will find data about Swedish companies).

Select "Norway - Consumer" if you want to be able to search for private individuals in Norway.

Contact your sales representative at Creditsafe if you do not have username and password for API-access to any of the datasources you want to use.

Click "Next" to continue.

4.3 Setup the Swedish datasource

Enter username and password for API-access provided by Creditsafe. The username usually ends with "IN". If you have had access to Creditsafe's web portal since before, you cannot use the credentials used there. A specific API-account needs to be setup by Creditsafe and on their side configured for the BC app.

To do credit check using the Swedish datasource you need to setup at least one credit template on the Creditsafe web portal. Code and Description are for internal use in BC. Credit Template Name refers to the name that the template is given on the Creditsafe web portal. Credit Template Name usually follows a syntax like MYCOMPANY_CAS_C1 (where "MYCOMPANY" is replaced with an identifier of your company).

When creating a credit template in the Assisted Setup, that credit template will be automatically assigned to all monitoring objects created from the datasource. It is possible to create more credit templates and setup rules for when to apply which template (or select template manually) when doing the first credit check for a specific monitoring object.

Click "Next" to continue.

4.4 Setup the global datasource

Enter username and password for API-access provided by Creditsafe. The username must be a valid email address. The API that is used is the REST-based Global Creditsafe Connect API.

The datasource does not have online credit check like the Swedish datasource. Instead, the report data downloaded from Creditsafe is used in combination with rules in BC on values that report parameters must fulfil.

When creating a credit template in the Assisted Setup, that credit template will be automatically assigned to all monitoring objects created from the datasource. It is possible to create more credit templates and setup rules for when to apply which template (or select template manually) when doing the first credit check for a specific monitoring object.

The credit template created by the Assisted Setup will be based on the report parameter COMMON_CREDIT_RANK, which is available for all countries and describes the credit rank ranging from A to E.

Click "Next" to continue.

4.5 Setup the datasource for Norwegian consumers

Enter username and password for API-access provided by Creditsafe.

The datasource does not have online credit check like the Swedish datasource. Instead, the report data downloaded from Creditsafe is used in combination with rules in BC on values that report parameters must fulfil.

When creating a credit template in the Assisted Setup, that credit template will be automatically assigned to all monitoring objects created from the datasource. It is possible to create more credit templates and setup rules for when to apply which template (or select template manually) when doing the first credit check for a specific monitoring object.

The credit template created by the Assisted Setup will be based on the report parameter COMMON_CREDIT_RANK, which is available for all countries and describes the credit rank ranging from A to E.

4.6 Automatic updates

Creditsafe Connect can be setup to periodically update monitoring objects with new report data and do credit checks. When you create a schedule from the Assisted Setup that schedule will apply to all monitoring objects. A record will be created in the list of scheduled updates of monitoring objects as below. For more details see the chapter 11 about scheduled updates.

A Job Queue Entry will be created and enabled automatically as below

...ue Entry Card | Work Date: 2020-04-06   ✎   +   🗑   ✓ Saved   ⬈   ⤢

Codeunit · 12066776 · CRC Automation

✕   To edit the job queue entry, you must first choose the Set On Hold action.   Set On Hold   ⌄

Process   Reports | More options

General   Show more

Object Type to Run	Codeunit	Description	Credit Monitoring Object Update
Object ID to Run	12066776	Earliest Start Date/Time	2020-11-29 01:00
Object Caption to Run	CRC Automation	Status	Ready

Recurrence

Recurring Job	⬤	Next Run Date Formula	1W
Run on Mondays	◯	Starting Time	01:00:00
Run on Tuesdays	◯	Ending Time	
Run on Wednesdays	◯	No. of Minutes betwe...	0
Run on Thursdays	◯	Inactivity Timeout Peri...	5
Run on Fridays	◯		
Run on Saturdays	◯		
Run on Sundays	◯		

Click "Next" to continue and then "Finish" in the last step of the Assisted Setup.

You have now performed a basic setup which will allow searching for companies in Creditsafes datasources and based on a search result you can create a customer and/or a vendor. When doing so a credit check will be performed automatically and if the credit check fails you will have to confirm the creation of the customer/vendor. You will also get updates of data such as credit ranking automatically once a week together with credit checks.

Please read further in the manual to learn how to fine tune your setup of Creditsafe Connect.

Your next step should be to link existing customers and vendors to Creditsafe. This is described in chapter 5 and 12.

5   Link existing customers and vendors

After completing the setup, you should link your existing customers and vendors with Creditsafe. This can be done by using the Batch search function. See the chapter 12 - Batch search for more information.

It is also possible to automatically import Creditsafe objects by importing existing portfolios from Creditsafe if you have such. Companies in the monitoring portfolios are automatically created as Creditsafe Objects when the portfolio is imported. However, these items must however be manually linked to customers/vendors after importing the portfolios.

5.1   Customers and Vendors

Creditsafe Connect manages companies/persons based on the organization/personal registration number and connects a company/person to one (1) customer and/or vendor. If several customers in BC relate to the same legal entity (registration no.), these customers should be connected to one single bill-to customer number, which in turn is linked to a monitoring object in Creditsafe Connect. Credit check and check credit limit and overdue receivables for order entry in BC are based on the Bill-to Customer and so do also the Credit Check that can be activated in order entry.

If data from Creditsafe (e.g. name and address) updates the customer/vendor, it only happens on the customer/vendor that are associated with the Creditsafe Object. Any customers/vendors which in turn are linked to the customer/supplier via the Bill-to/Pay-to Customer No. are not affected by an update.

# 6   Role Explorer and Role Centers

The functionality in Creditsafe Connect is exposed in the Role Explorer under the heading "Credit Monitoring"
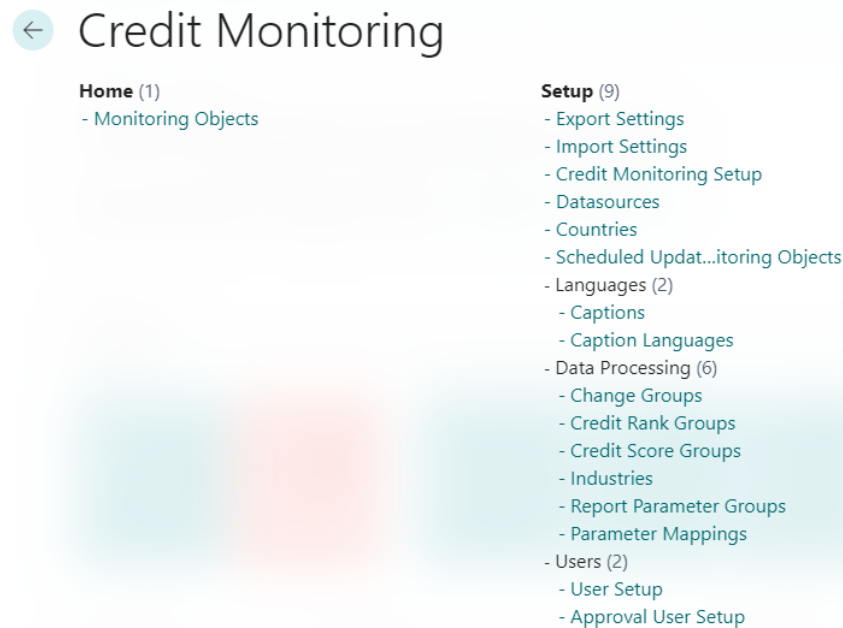
Creditsafe Connect is integrated in the role centers for following roles:

- Accountant
- Business Manager
- Sales Order Processor
- Sales and Relationship Manager

In each of the role centers above you will find a link to the list of monitoring objects and an action to search in Creditsafe directly from the role center.
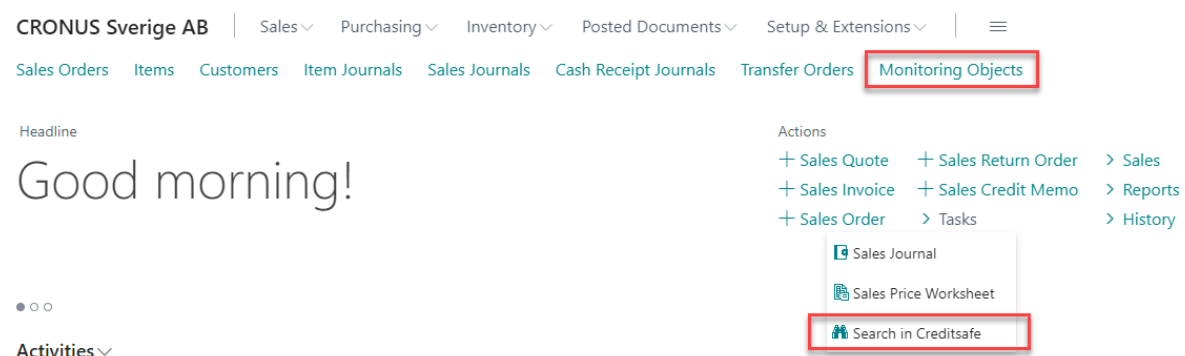
7   Monitoring Objects

Monitoring Objects are created by using "Search in Creditsafe" and from the result lines selecting "New->Monitoring Object". A monitoring object is also created automatically if you choose to create a customer or a vendor from a search result.

From the list of monitoring objects most of the functions in Creditsafe Connect can be reached.

ID	Name ↑	Ranking	Rating Trend	Credit Check Status	Credit Template Code	Acti... Cus...	New Rep... Data Req...	New Credit Che... Req...	City	Country Code	Type	Sub Type
GB-0-1261...		C		Approved	DEFAULT	☐	☐	☐	NOTTINGHAM	GB	Company	LTD
US001-X-U...		A		Approved	DEFAULT	☐	☐	☐	ALLENTOWN	US	Company	NOTSET
BE-X-40264...		B		Approved	DEFAULT	☐	☐	☐	IXELLES	BE	Company	
5561568642		B		Approved	DEFAULT	☐	☐	☐	MOTALA	SE	Company	AB

7.1   Fieldnames

FIELDNAME	DESCRIPTION
ID	The unique ID for the company/person. In Creditsafe Swedish services correspond to ID Org.nr/personnr. In GLOBAL CONNECT an ID generated by Creditsafe.
NAME	Company/person's name.
RANKING	Grouping on scale A to E for companies A = Very low risk B = Low Risk C = Medium Risk D = High Risk E = no credit risk assessment
RAITING TREND	Can have a blank, negative, or positive value. Shows whether the last change in Rating Index were positive or negative.
SCORING	Grouping on scale A to E for private individuals. The column only shows is there are at least one monitoring object with scoring. A = Very high solvency B = High solvency C = Medium solvency D = Low solvency E = No solvency assessment
CREDIT CHECK STATUS	Can be set to blank, approved, not approved, manually approved or investigation. The value is based on the credit template query to Creditsafe. Rules for credit template can be defined in the Swedish Web service Creditsafe while GLOBAL CONNECT does not have that functionality. To achieve credit template functionality also in GLOBAL CONNECT, rules can be defined locally in BC based on report data. Manually approved means that there are one or more credit template rejections, but these have been manually approved by an authorized user.

	A value of "investigation" means that there is a locally defined rule on report data on a parameter not found in the response from appended.
ACTIVE CUSTOMER/VENDOR	An active customer/vendor has one of the following: - An open ledger entry - A non-posted order/invoice/Credit memo - A closed ledger entry with a posting date not older than in the specified time limit setting. The reason for selecting objects that are active or not is to be able to restrict the number of calls to Creditsafe.
NEW REPORT DATA REQUIRED	Indicates that new report data should be retrieved. The indication is based on the change control made (only Swedish Web service) or that portfolio monitoring indicates change. Only changes to change groups selected to indicate new report data are considered.
NEW CREDIT TEMPLATE REQUIRED	Indicates that a new credit template check should be made. The indication is based on the change control made (only Swedish Web service) or that portfolio monitoring indicates change. Only changes to change groups selected to indicate new credit template are considered.
CITY	The city of the company/person.
COUNTRY CODE	Company/person's country code.
TYPE	Indicates whether the object is a company or a person.
SUBTYPE	If the type is "Company", this field contains the type of company.
CUSTOMERID	This displays the customer number that the object is linked to.
SUPPLIERID	This displays the vendor number that the object is linked to.
REPORT DATA FETCH	Date of last retrieval of report data.
CHANGE CHECK	Date of last change check.
CREDIT CHECK DATE	Date of last check of the credit template.

7.2 Actions

COMMAND	CATEGORY	DESCRIPTION
SEARCH IN CREDITSAFE	Promoted	Opens a page for on-line search of companies and persons in the Creditsafe database.
GET REPORT DATA*	Promoted	Retrieves report data for the object. If more than one (1) setting in the Report selection table matches the current item, the user is forced to choose which report to retrieve.
GET PDF REPORT	Promoted	Fetches credit report in PDF format. If the current Subtype Have at least one report choice that involves a query copy the user must confirm the retrieval of PDF report because it creates a query copy to the person/company.
CREDIT CHECK*	Promoted	Performs a credit check using the Credit Template defined on the monitoring object. If Credit Template Code is blank on the Monitoring Object a default Credit Template Code is calculated based on the Credit

		Template Selection table. If no default Credit Template Code can be calculated the user will be prompted a list of Credit Templates to choose from.
CUSTOMER ANALYSIS	Promoted	Opens an overview of outstanding orders and accounts receivable.
ADD TO PORTFOLIO*	Promoted	Adds the object to a monitoring portfolio.
CHECK CHANGE*	Actions	Checks whether there have been changes to the object.
BATCH PROCESS	Actions	Starts the function for batch processing That makes it possible to retrieve report data, check credit template etc. for multiple items.
CALCULATE ACTIVE (J/N) *	Actions	Calculates if the customer/vendor is active or not.
CUSTOMER/VENDOR	Actions	
- **CREATE**		Creates customer/vendor attached to the item.
- **LINK**		Links the item to an existing customer/vendor
- **VIEW**		Shows linked customer/vendor
CREDITSAFE WEB	Navigate	The login features below require that the Web login for the data source be linked to the user. These actions are by default hidden in the user interface.
- **HOME**		Opens the home page For Creditsafe.
- **REPORT**		Opens the report page for the current item.
- **CREDIT TEMPLATE**		Opens the credit template page for the current item.
RELATIONSHIPS	Navigate	Displays the relationships between the object and customer/vendor.
CHANGE GROUPS	Navigate	Displays a list of the groups that the object has changes in.
CREDIT CHECK	Navigate	Displays a list of the rejected codes if the credit template check is not approved.
RATING/LIMIT CHANGES	Navigate	Shows a list of changes in Rating and/or credit limit.
MESSAGES	Navigate	Displays a list of messages sent to/received from Creditsafe.
REPORTS	Navigate	Displays a list of the reports retrieved for the item.
PORTFOLIOS	Navigate	Displays a list of briefcases to which the item is added.

* These commands Supports Multi. i.e. selecting multiple objects and performing the command on all selected objects While.

7.3 Relationships

The list shows to which customer or vendor number the item is linked.

![creditsafe]

7.4 Change groups

The list shows the results of the last change check or retrieval of portfolio monitoring results. The "date" column describes when the change took place. If the change group is selected to indicate new report data or new credit template, and the date of the change is later than the last report date for the item, the "New Report Data Required" or "New Credit Check Required" is selected. These two fields are the basis for the corresponding check boxes on the object.

7.5 Credit Check Rejections

The list shows the credit check rejection codes for the last check.

With the "Manually Approved" check box, it is possible to manually approve a single rejected code. The object then gets a credit template status = "Manually Approved". Such a customer will be approved upon order entry until the manual approval is removed or additional rejection codes are received that are not approved manually.

To be able to accept manually, the user must be listed in the user settings of Creditsafe Connect and there have the checkbox "Approve Credit Check Manually" checked.

7.6 Rating/Limit Changes

The list shows changes in Rating index and/or credit limit. Control of change occurs when report data contains values for parameters mapped rating index and credit limit change. A change in the Rating index also affects the field "Rating Trend "on the object.

7.7 Messages

Displays a list of messages (calls and responses from Creditsafe) for a specific object. Message logging is enabled in Creditsafe Connect Settings.

7.8   Reports

Displays a list of the reports retrieved for the Monitoring Object.

7.8.1   Actions

COMMAND	CATEGORY	DESCRIPTION
LINES	Report	Opens the lines for a report of type Data
VIEW PDF REPORT	Report	Opens a report of type PDF

![creditsafe logo]

7.8.2 Report Lines

7.8.3 Actions

COMMAND	CATEGORY	DESCRIPTION
HISTORICAL VALUES	Parameter	Opens a list showing how a single report parameter has changed over time.

8 Search in Creditsafe

The search function is opened by clicking on the action "Search in Creditsafe" in a role center or in the list of monitoring objects. "Tell me" can also be used by searching for "Search in Creditsafe".

On the search page criteria are specified and by clicking on "Search in Creditsafe" below the criteria (or using CTRL + F) a search is done in Creditsafe.

Creditsafe returns a list containing a maximum of 50 entries for the Swedish datasource and 200 for Global Connect. If that limit is reached more precise search criteria must be specified followed by a new search.

8.1 Actions

COMMAND	CATEGORY	DESCRIPTION
CARD	Manage	Opens a card for an object in the search result.
SAVE AS MONITORING OBJECT	Manage	Saves the object as a monitoring object for future use (fetching reports etc.)
CREATE CUSTOMER	Manage	Saves the object as a monitoring object and creates a customer linked to the monitoring object.
CREATE VENDOR	Manage	Saves the object as a monitoring object and creates a vendor linked to the monitoring object.
GET REPORT DATA	Reports	Downloads report data and opens the report lines.
GET PDF REPORT	Reports	Downloads and opens a PDF report.
CREDIT CHECK	Functions	Performs a credit check.

9 Customer analysis

Customer Analysis is a function that collects all open customer ledger entries and sales orders and presents the results together with ranking, rating trend, etc. The Customer Analysis is opened from the list of monitoring objects or by using "Tell me" and searching for "Customer Analysis".
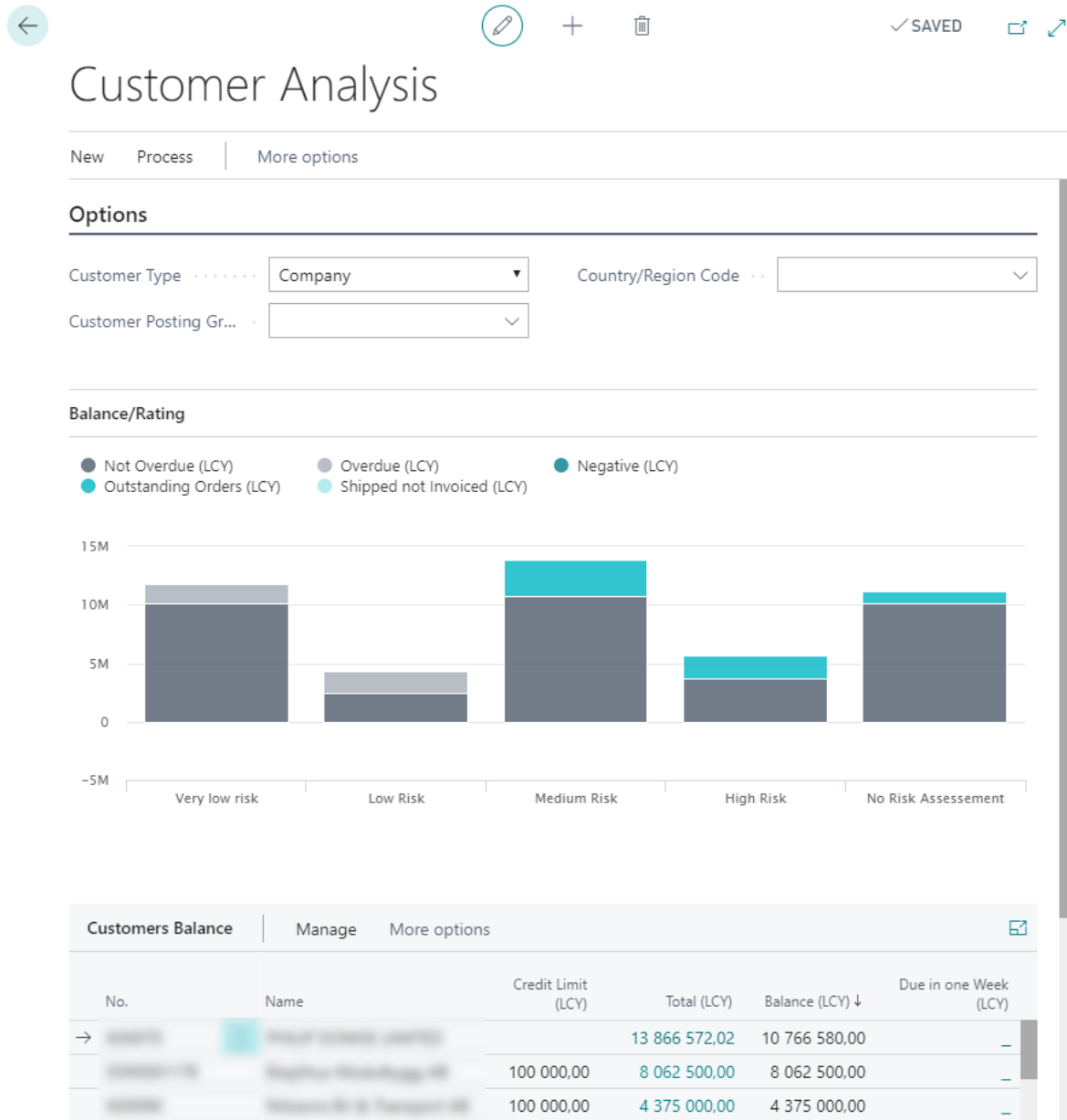
The purpose of the function is to provide an overview of the company's risk exposure and provide an indication of which customers/receivables should be focused on in the recovery of claims.

The Customer analysis page has four Sections/fast tabs:

1. *Filter.* Provides the ability to filter on Customer Type (person/company), Customer Posting Group and/or Country/Region code. All the filter expressions in BC are supported, which makes it possible, for example, to filter out internal customers if they have a specific Customer Posting Group Code.

2. *Balance/Rating*. Shows by ranking group (or scoring group if filtered on Customer Type = Person):
   a. Overdue Balance.
   b. Balance not due.
   c. Negative amounts (e.g. Credit memos not applied to an invoice).
   d. Outstanding (undelivered) amount on sales order.
   e. Delivered not invoiced amount on sales order.

3. *Customer Balance.* Totals (LCY) per customer with columns such as:
   a. Credit limit
   b. Balance
   c. Balance due within one week
   d. Balance Due
   e. Outstanding Order Amounts
   f. Delivered not invoiced amount
   g. Rating index
   h. Rating trend
   i. Rating text
   j. Unattached amount in receivable

4. *Open transactions.* List of open transactions with columns such as:
   a. Amount
   b. Currency Code
   c. Remaining Amount
   d. Remaining Amount (LCY)
   e. Due date
   f. Number of days overdue
   g. Number of Reminders
   h. Rating index

In the Accounts receivable analysis, it is possible to directly from the ribbon create reminder, credit memo and finance charge memo. There is also an action to open the cash receipt journal.

10 Batch processing

The Batch Update Process function allows you to manually process many monitoring objects at the same time. Batch processing can be opened from the action section Function in the list of Monitoring Objects or by using "Tell me" and searching for "Batch Process Monitoring Objects". Scheduled automatic processing is described in the following chapter "Scheduled updates".

BATCH UPDATE PROCESS

Calculate Active ·········· [toggle on]
Only active Customers/Ven... · [toggle on]
Check Changes ·········· [toggle on]
Get Report Data ·········· When required ▾
Credit Check ·········· When required ▾

Filter: Monitoring Object

× Type ·········· [   ] ▾
× Country Code ·········· [   ] ▾

➕ Filter...

[Schedule...] [OK] [Cancel]

FIELDNAME	DESCRIPTION
CALCULATE ACTIVE	Perform a calculation of if the monitoring object is linked to an active customer/vendor
ONLY ACTIVE CUSTOMERS/VENDORS	Determines whether the batch process shall include only active customers/vendors (incl. those affected by "calculate active" in the current run).
CHECK CHANGES	Checks if there have been changes to the object (not supported by GLOBAL CONNECT)
GET REPORT DATA	Retrieves report data for the object.
	Uses the "Report selection" table to determine which report to use. The first report in the table's sort order that corresponds to the object's type and subtype (or blank subtype) and that do not have a check in the "Query Copy" check box are used to retrieve report data for more than one individual item. This means that the batch process never downloads report data that generates a query copy.
	The choice has the following options:
	- Blank (no download)
	- When required (when there are changes indicating new report data)
	- All (for all items within EV. Filter)
CREDIT CHECK	Performs credit check on the monitoring objects.
	The table Credit Template Selection is used to determine the Credit Template Code the first time for an object. It then uses the specified credit template on the object.

	If the credit template has rules defined on the report data, the report is automatically retrieved (according to the rules described above for "retrieving report Data"). If the country code, type and sub type of the monitoring object has at least one report in the report selections table which is marked with "Query Copy" = true the credit check is not performed by the batch process. Such credit checks must be performed manually for one single monitoring object.

11 Scheduled updates

A Scheduled Updates defines which country/countries to process and what actions to perform when processing the monitoring objects that falls withing the filter that is set for Country Code (blank filter = all monitoring objects) and Object Type. The actions to perform are the same as described in the previous chapter.

For a Scheduled Update to take place a Job Queue Entry needs to be created. Use the action "New Job Queue Entry" to create and view the job queue entry. The default date and time is 01:00 AM the coming Sunday. The content of the field "Parameter String" on the job queue entry determines which scheduled update the job queue entry shall process.

To use the Change Check functionality in Global Connect the monitoring object needs to be inserted to a monitoring portfolio. The easiest way to ensure this is to setup a default monitoring portfolio on the Creditsafe Country.

12 Batch search

To search more than one company/person at a time, the function for Batch Search can be used. Use "Tell me" (ALT+Q) to open the Batch Search Lines page. Records can be created based on the customer and vendor tables using the "Get Customers" and "Get Vendors" actions. The Batch Search function is mainly used during initial configuration of Creditsafe Connect to populate monitoring objects based on existing customer/vendor tables.

COMMAND	DESCRIPTION
FETCH CUSTOMERS	Opens a dialog where filters can be set to retrieve customers for the search list.
FETCH VENDORS	Opens a dialog where filters can be set to download vendors to the search list.
SEARCH IN CREDITSAFE	Search in Creditsafe for the current line (or selected lines). For each line, the search results are saved linked to the batch search line. If the result contains only one (1) company/person, the search result is used as a suggestion in the "selected Creditsafe ID ". If search results include than one company/person, a manual selection must be made using the menu command "Select Monitoring Object".
SELECT MONITORING OBJECT	When the search result from Creditsafe consists of more than one object the correct object must be selected manually. This action opens a list for selection.
SAVE MONITORING OBJECT	Saves the selected object as a monitoring object and links it to the customer/vendor. By selecting multiple lines, the command can be performed for multiple customers/vendors at the same time.

In the dialogs for retrieving customers or retrieving vendors, it is possible to specify which search criterias to include on the search lines. For example, phone numbers may not match the Creditsafe's data and complicate the search. In this case, phone numbers can be excluded when the lines are created.

Registration No. is derived from VAT Registration No. for Swedish, Norwegian and Finnish customers. If Registration No. or VAT Registration No. is used in the search it usually results in a (1) direct match with Creditsafe (depending on if the specific country supports search on Registration No. or VAT Reg. No.).

When a Batch Search Line has a "Chosen Creditsafe ID" the Monitoring Object can be saved together with the relation entry which links the Monitoring Object to the Customer. If the search resulted in one (1) search results in Creditsafe the column "Chosen Creditsafe ID" will be automatically

populated. If the search resulted on mote than one result the Creditsafe ID must be chosen manually by using the action "Select Monitoring Object".

Customers and vendors which have a "Bill-to Customer No."/"Pay-to Vendor No." is not included in the batch search since these customers/vendors are not subject for linking to a Monitoring object. The relation between a Customer/Vendor and a Monitoring Object is a one-to-one.

If you have multiple customers representing the same legal entity you should use the functionality in Business Central for linking customers to a Bill-to Customer or use Ship-to Addresses. The same applies to vendors.

![creditsafe logo]

13 Message Entries

Creditsafe Connect can log each request to and response from Creditsafe in a table of messages. The Message Entries page is opened by using "Tell me" and searching for "Message Entries".

For each message where the request relates to a specific Monitoring Object the Object ID is stored, which makes it possible to open a list of messages related to the item from the object.

The request and response can be exported by using the actions on the action bar.

Message log settings are defined in the Creditsafe Connect Settings.

![creditsafe logo]

14 Customer Block-/Limit

The suggestion for customer blocking and limit changes shows differences between Credit Template Status/Limit on Monitoring Objects and block/limit on customers. The list is opened by searching for "Customer Block/Limit Suggestion" in "Tell me".

The lines in the list are created with the command "Create Lines".

For each line, suggested new values for credit limit and block are displayed. Suggestions can be edited, and lines can be deleted if the customer shall be completely excluded from changes. Changes are implemented on Customer with the "Update Customers" command.

For limit to be handled in the suggestion, the Credit Limit Integration must be enabled in the Customer/Vendor Integration Setup". There can also be a maximum credit limit set to avoid to high limits.

For blocking to be handled in the proposal, the integration of block must be enabled on the credit template connected to the object.

15 Sales approval
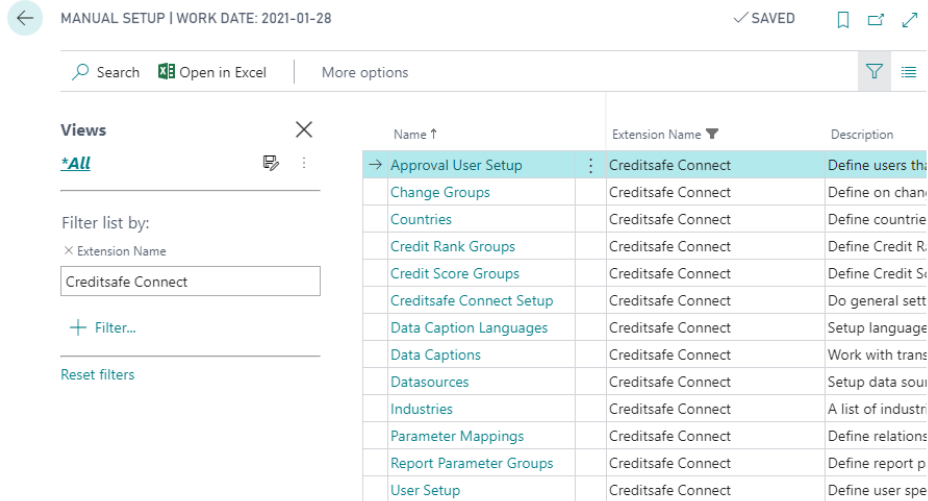
Creditsafe Connect supports the standard BC functionality for approval workflows. Technically the support is implemented as a custom response that checks the credit check status of the monitoring object linked to the bill-to customer and creates workflow response entries.

To simplify setup Creditsafe Connect includes two templates that can be used to setup an approval workflow for credit check.

When setting up the approval chains it is a requirement that if the first approver (i.e. the person creating the sales document) does not have permission (in the User Setup) to manually approve credit check, person no. 2 in the approval chain must have so.

16 Settings

All setup for Creditsafe Connect can be reached from "Manual Setup". By filtering on "Extension Name" = "Creditsafe Connect" a good overview is displayed in the list. You can also use the Role Explorer and look for "Credit Monitoring" to see shortcuts to all setup pages.

16.1 Import and export of settings

To open the import function, use the Role Explorer, navigate using "Explore all" to "Credit Monitoring" and there choose "Import Settings".

The import function can be used together with the export function be used to copy settings between different companies, from a test environment to a production environment, etc. You can import from files on your file system.

Select "Import General Settings" to import the selected data on the General tab or select one of the datasources to import the selected data for that datasource.

Import

🔹 Import General Settings   🔹 Import Data Source

General

General Setup ········· 🔵	Change Groups ······· 🔵
Countries ··········· 🔵	Credit Rank/Score Gr... 🔵
Report Parameters ····· 🔵	Filename ··········· crc_generic_settings_17.0.0.0.xml
Translations ········· 🔵	

Data Sources | Manage

	Code		Description	Lan...	Data Sou... Sele...	Serv...	Rep... and Rep... Sele...	Credit Tem...	Cus... Inte...	Rati... Score Gro... Ma...	Rep... XML Defi...	Filenam
→	GLOBAL	⋮	Creditsafe Global Connect	☑	☑	☑	☑	☑	☑	☑	☑	crc_glo
	NO CONS		Creditsafe Norway - Cons...	☑	☑	☑	☑	☑	☑	☑	☑	crc_no_
	SE		Creditsafe Sweden	☑	☑	☑	☑	☑	☑	☑	☑	crc_se_

When exporting setup you can choose between exporting general settings or a selected datasource.

Export

🔹 Export General Settings   🔹 Export Data Source

Data Sources | Manage

	Code		Description
→	GLOBAL	⋮	Creditsafe Global Connect
	NO CONS		Creditsafe Norway - Consumers
	SE		Creditsafe Sweden

16.2 Creditsafe Monitoring Setup

Credit Monitoring Setup

← ✏ + 🗑 ✓Saved 🔖 ⬈ ⤢

Actions

General   Show less

Our Reference ·········		Default Vendor Data ····	Config. Template ▾
User Setup Mandatory ··	⬤	Age Limit for Active C...	
Default Search Countr...	SE ▾	German Reason Code ·	▾
Default Search Type ·····	Company ▾	Combine Customer a...	⬤
Default Customer Data ··	Customer Template ▾		

Search

Include Inactive ········	⬤	Style for Non-active S...	Attention ▾

Sales Integration

Monitoring Object M...	⬤	Credit Check when cr...	Advisory ▾
Credit Check in Sales ...	⬤	Block New Manual Cu...	⬤
Age Limit for Credit C...			

Purchase Integration

Block New Manual Vendor ····················	⬤

Message Log

Log Messages ·········	Always ▾	Message Entry Age Li...	1Y

FIELDNAME	DESCRIPTION
OUR REFERENCE	A value that is used as the transaction ID when calling Creditsafe unless otherwise specified in user settings for the user who is making the call.
USER SETTING MANDATORY	Specifies whether users are required to exists in the User Setup table. This field is hidden by default.
DEFAULT SEARCH COUNTRY CODE	Default value for Country code ib the search function.

DEFAULT SEARCH TYPE	The default value for type (company/person) in the search function.
DEFAULT CUSTOMER DATA	Specifies whether posting groups etc. should be retrieved from a template when creating a customer. The options are: - Blank (no suggestions) - Configuration Template - Customer Template
DEFAULT VENDOR DATA	Specifies whether posting groups etc. should be retrieved from a template when the vendor is created. The options are: - Blank (no suggestions) - Configuration Template
AGE LIMIT FOR ACTIVE CUST/VEND	If specified, also ledger entries closed before the specified date formula will cause the customer/vendor to be considered active.
AGE LIMIT FOR CREDIT CHECK	If specified, this setting controls how often the credit template should be checked.
GERMAN REASON CODE	In Germany it is mandatory to specify a reason for a credit assessment. This field specifies the reason code for all queries for German companies.
COMBINE CUSTOMER AND VENDOR STATISTICS	If this option is selected and a monitoring object is linked to both a customer and a vendor the Customer Statistics Fact Box will be shown together with the Vendor Statistics Fact Box on Vendor Card, Vendor List and Purchase Invoice. Similar the Vendor Statistics Fact Box will be shown together with the Customer Statistics Fact Box on Customer Card, Customer List and the Sales Documents where the Customer Statistics Fact Box is visible. This options enables a more holistic view on your customers/vendors in situations where your counterpart is both a customer and a vendor.
INCLUDE INACTIVE	Specifies if inactive companies shall be included in search results.
STYLE FOR NON-ACTIVE SEARCH RESULTS	Specifies the graphical style on search result lines for companies that are not active.
MONITORING OBJECT MANDATORY	When credit check in Creditsafe Connect is integrated with sales order-/invoice this setting controls if it should be possible to register order/invoice even if a Monitoring Object does not exist for the bill-to customer.
CREDIT CHECK IN SALES ORDER/INVOICE	Specifies if the credit should be checked automatically. This updates the credit check information in the Credit Monitoring fact box on the sales order/-invoice.
CREDIT CHECK WHEN CREATING USTOMER	This setting controls if the credit should be checked when the customer is created from the search function and how any rejection should be handled. Possible choices are blank (disabled), Advisory and Enforced. The credit checked based on the credit template specified on the object. If the setting is "advisory", the user can choose to create customer despite rejections.
BLOCK NEW MANUAL CUSTOMER	With this setting enabled, it is not possible to create a customer directly in the Customer Card.
LOG MESSAGES	Specifies whether calls to Creditsafe should be logged in the message log.
MESSAGE LOG AGE LIMIT	Specifies how long messages are stored in the message log-

16.3 User Setup

Creditsafe Reference in User Setup specify the value to be used as the transaction ID when calling Creditsafe. This field is by default hidden. The action "Creditsafe Web Credentials" opens a list of user logon credentials per data source.

16.3.1 Web Login Information

To use the auto-login functions in the Swedish datasource, the user must have login information specified in this table. This enables an easy way to open the Creditsafe Web Interface directly from BC.

16.4 Approval User Setup

The "Manual Credit Check" column determines whether the user can manually set the credit template code on a Monitoring Object (to overrule the default), and whether the user should be able to manually approve invoices/Orders who are rejected in the credit check workflow and approve individual credit rejection codes.

16.5 Creditsafe Countries

The list of countries determines which countries search can take place in. The Swedish Web service supports search with Country Code "SE" while Global Connect supports both "SE" and all other countries supported by Creditsafe.

FIELDNAME	DESCRIPTION
CODE	Country code according to "ISO 3166 Alpha 2"
NAME	Country name
DATA SOURCE CODE	The datasource that manages the country.
NO. OF REPORTS	The number of reports that has been downloaded for the company. This field can be limited by a date filter.
BLOCK BATCH REPORT FETCH	Enabling this setting ensures that report data and credit checks are only done manually for one (1) monitoring object.
DEFAULT MONITOR PORTFOLIO ID	If a portfolio is set on a country, all monitoring objects created with that country code will automatically be added to the portfolio. For the datasource Global Connect the Change Check function requires that the monitoring object is added to a portfolio.

![creditsafe]

16.6 Industries

When fetching report data from Creditsafe new industries are inserted in a list of industries per country.
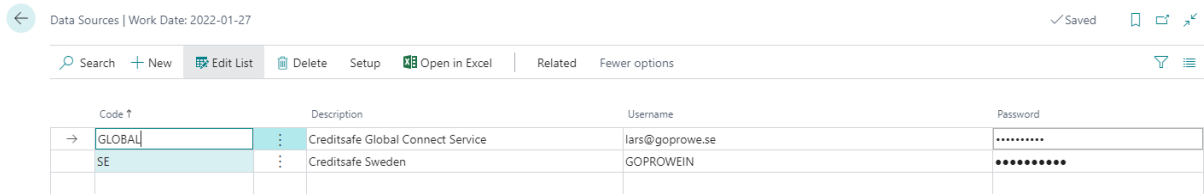
16.7 Data sources

Creditsafe Connect supports both the Swedish Web service and the global REST-based connect service (called GLOBAL CONNECT in Creditsafe Connect). These services are managed as data sources to which many settings are related.

The list of data sources is opened from Manual Setup or by searching for "Data Sources" in "Tell me".

16.7.1   Field names

FIELDNAME	DESCRIPTION
CODE	Data source internal code in Creditsafe Connect.
DESCRIPTION	Data source Description
USERNAME	User name used in all communication with the Creditsafe in addition to Auto-login for the Swedish Web service that requires 2-faktorautentisiering with personal login.
PASSWORD	See above

16.7.2   Actions

COMMANDS	CATEGORY	DESCRIPTION
LANGUAGES	Setup	Languages that the data source supports. Creditsafe Connect tries to use the same language as the NAV client. If that language is not available, English is used.
SERVICES	Setup	The services used for the Web service.
REPORTS	Setup	Available data reports.
REPORT SELECTIONS	Setup	Settings for when to use a specific report depending on the country code, object type and subtype.
CREDIT TEMPLATES	Setup	Available credit templates.
CREDIT TEMPLATE SELECTIONS	Setup	Settings for which credit template to use at the first credit template query for a monitoring object (when the credit template code on the monitoring object is blank).
MONITORING PORTFOLIOS	Setup	Opens a list of monitoring portfolios for the data source.
MONITORING RULES	Setup	Opens a list of rules available in portfolio monitoring
CUSTOMER/VENDOR INTEGRATION SETUP	Setup	Opens a list of settings that control how customers and vendors are updated with data from Creditsafe when data reports are processed.
CREDIT RANK GROUP MAPPINGS	Setup	Opens a list of mappings between numerical rating and the generic credit ranking group codes.

CREDIT SCORE GROUP MAPPINGS	Setup	Opens a list of mappings between numerical scoring and the generic credit ranking group codes.

16.7.3 Language

Languages that the data source supports. Creditsafe Connect tries to use the same language as the NAV client. If that language is not available, English is used.

16.7.4 Services

The list of services includes URL paths and other settings that control how communication with Creditsafe.

16.7.5 Reports

A data source can have one or more reports. A report is a collection of data that can be retrieved from Creditsafe. The "Creditsafe Name" shall conform to the name of the report/block in Creditsafe.

The structure of the data is defined by opening the list of the report's XML nodes with the action "XML nodes".

16.7.6 XML nodes

XML nodes are defined in a structure where a node can have child nodes and at the lowest level, XML nodes are attached to report parameters. The list below shows a top level of a report where each node has several children. Each child can in turn have children. There's no limit to the depth in the structure.

FIELDNAME	DESCRIPTION
DATA SOURCE CODE	Data source code
REPORT CODE	Report Code

PARENT NAME	The name of the parent node
NAME	Node name
PARAMETER CODE	Report parameter to which the node is attached. Can only be set on nodes without children.
NO. OF CHILDREN	The number of nodes that have the current node as the parent.
MAX. NUMBER OF ITERATIONS	If the node appears multiple times in the same report (e.g X ACCOUNT_KEY_VALUES above for up to 5 financial years in the Swedish Web Service), the number of iterations (years in this example) can be controlled by the value in the "Maximum number of iterations"
NAMESPACE	If a different namespace is used for an individual node, this is specified here.
PARENT GUID	Each node has a unique GUID (identifier). The "Parent GUID" column associates the node with its parent.

The database schema below shows how XML nodes tie together reports/nodes that are specific to individual data sources/reports with a general data model for parameters and parameter groups so that data can be used in a consistent way in reports associated with Monitoring Object.
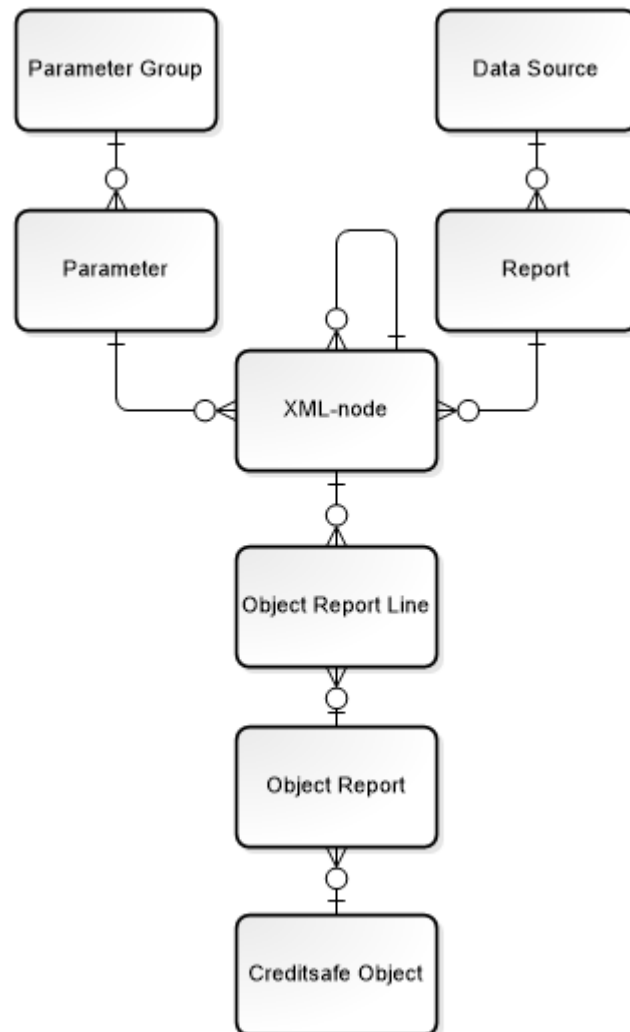
16.7.7 Report Selection

The list of report selections determines which reports are available for a specific Monitoring Object Depending on the data source the object is created from, the Country Code, Type and Subtype.

Data Source Code ↑	Country Code ↑	Type ↑	Sub Type ↑	Que... Copy	Report Code ↑	Description	PDF Rep...
SE		Company	AB	☐	C_CREDIT	Bas + kredituppgifter	☑
SE		Company	E	☐	C_BASIC	Basuppgifter	☐
SE		Company	E	☑	C_CREDIT	Bas + kredituppgifter	☐
SE		Company	EF	☐	C_BASIC	Basuppgifter	☐
SE		Company	EF	☑	C_CREDIT	Bas + kredituppgifter	☑
SE		Company	HB/KB	☐	C_BASIC	Basuppgifter	☐
SE		Company	HB/KB	☑	C_CREDIT	Bas + kredituppgifter	☐
SE		Company	HB_KB	☐	C_BASIC	Basuppgifter	☐
SE		Company	HB_KB	☑	C_CREDIT	Bas + kredituppgifter	☑
SE		Company	OTHER	☐	C_CREDIT	Bas + kredituppgifter	☑
SE		Company	OVR	☐	C_CREDIT	Bas + kredituppgifter	☐
SE		Company	ÖVR	☐	C_CREDIT	Bas + kredituppgifter	☑
SE		Person		☐	P_BASIC	Basuppgifter person	☐
SE		Person		☑	P_CREDIT	Bas + kredituppgifter pers...	☑
				☐			☐

The Query Copy column is used to indicate whether Creditsafe sends a query copy not for the current report and combination of country, type and Subtype. A Query Copy is a letter sent to the queried company/person saying that company X has requested credit information.

When fetching report data for more than one object at the same time (Retrieving report data for more than one item with multi select in the object list, with the function Batch Processing or automation), the first report that corresponds to the object's data source is used, Country Code, Type and Subtype and that do not have a cross in the column "Query Copy".

When manually retrieving report data for a single Monitoring Object that meet the criteria for more than one report, a selection list is displayed where the user selects which report to use.

If the user selects a report that has the "Query Copy" checked, the user must confirm that the report should be used even though a Query Copy will be sent.

The column "PDF report" means that it will be possible to download the PDF report for the current combination of Country Code, Type and Subtype. If the same combination has any line in the Report Selection table with "Query Copy" = yes, the user must always confirm the retrieval of the PDF report because it is considered a credit report that causes Query Copy on private individuals and individual firms in Sweden.

16.7.8 Credit Templates

A data source can have one or more Credit Templates. A Credit Template can use Creditsafe's on-line service for Credit Template (Swedish Web service only), but also be based on report data (also in combination with on-line check).

If the credit template has rules defined on report data, the report data is automatically retrieved if the report data is not already retrieved on the same day. The report used is controlled by the settings in the report selection (see above).

FIELDNAME	DESCRIPTION
CODE	Credit Templates Internal Code in Creditsafe Connect.
DESCRIPTION	Credit Template description.
ONLINE BLOCK NAME	Credit Template block name in Creditsafe.
REPORT CODE	Report code that any report data rules are based on.
KODENHETS ID	The codeunit used for communication with the Creditsafe. For Creditsafe Swedish WebService Codeunit 12066775 shall be used.
INTEGRATION CUSTOMER HOLD	Controls whether and how the integration between Credit Templates Status and customer lock is to take place. The options are: - Blank (no integration) - Block directly (direct integration of latch) - Block and unblock directly (direct integration of blocking and cancellation) - Indirectly (Maintenance is done with the limit/block suggestion)

16.7.8.1 Report Data rules

Selecting the "Report Data Rules" action for a credit template opens the list of rules. The example below shows a rule that requires a credit rank between C and A for the credit template check to be approved. The parameter code "COMMON_CREDIT_RANK" is available for all countries.

GGS · STD | WORK DATE: 2021-01-28   ✓ SAVED

Credit Template Report Data Rules

🔍 Search   + New   📝 Edit List   🗑 Delete   📊 Open in Excel

Parameter Code ↑	Min. Value	Max. Value
→ COMMON_CREDIT_RANK	A	C

To make manual exceptions from the credit template check can, as in the example on the previous page, a credit template be created that does not have an online block name or report data rules. Such credit template is always approved. By specifying such credit template on an object, the object will always receive approved credit template status.

16.7.9 Credit Template Selections

Credit Template Selections defines rules for which credit template to use in a credit template check if the field "Credit Template Code" is empty on Monitoring Object. If "Credit Template Code" on object have a value that credit template will be used. This makes it possible to overrule the Credit Template proposed in the Credit Template Selections on a single object.

SE | WORK DATE: 2021-01-28   ✓ SAVED

Credit Template Selections

🔍 Search   + New   📝 Edit List   🗑 Delete   📊 Open in Excel

Country Code ↑	Type ↑	Sub Type ↑	Credit Template Code	Description
→ SE	Company		STD	Rating >39, Depth balance <1000SEK
SE	Company	ÖVR	MANUAL	No credit check

16.7.10 Monitoring Portfolios

A data source can have one or more monitoring portfolios. One or more Monitoring Objects can be part of a security portfolio and a Monitoring Object can in turn be included in one or more monitoring portfolios.

In Creditsafe's Swedish Web service portfolios and rules are created on the Creditsafe Website.

GLOBAL CONNECT has no web interface, which means that all maintenance of portfolios takes place in Creditsafe Connect and changes are synchronized in real time with GLOBAL CONNECT.

16.7.10.1 Field names

FIELDNAME	DESCRIPTION
COUNTRY CODE	The country code of the portfolio
NAME	Portfolio name
LAST DATE CHECKED	Date of latest check of changed companies
NUMBER OF COMPANIES	Number of companies in each portfolio
ID	Portfolio Id in Creditsafe (automatically generated)

16.7.10.2 Actions

COMMAND	DESCRIPTION
GET PORTFOLIOS	Downloads portfolios from Creditsafe.
GET CHANGES	Gets changes for the selected portfolio(s). Changes are encoded as change groups and stored linked to Monitoring Objects. If the change group is marked to indicate the need for new report data and/or credit template check, the Monitoring Object is updated with corresponding markup if the change has a date last than the latest date for report data/credit template on the object.
MONITORING RULES	Opens a list where rules can be defined for the portfolio. The rules describe events that the monitoring shall react on.
MONITORED COMPANIES	Opens a list of companies in the portfolio.

16.7.10.3 Monitoring Portfolio Rules

The rules describe what event's that shall react on. Please note that the same rule codes must be setup in the change group list to trigger new report data fetch or credit check.

16.7.10.4 Monitored companies

The "Monitored Companies" action in the portfolio list above lists the companies that the portfolio is monitoring.

The "New Monitor" command opens the list of Monitoring Object for selecting objects to monitor. The selection can be done by selecting multiple lines. An object can be monitored in several portfolios since you can choose to have different rules in different portfolios.

The command "Get Portfolios from Creditsafe" may be relevant to use if there are already portfolios defined in the Creditsafe when Creditsafe Connect is installed. Then both portfolios and monitored companies is retrieved from Creditsafe. For each monitored company that is collected in this way, a search is Creditsafe based on the Creditsafe-ID to retrieve the details of the name, address, etc. is performed automatically.

16.7.11 Customer/Vendor Integration Settings

This table controls if and how Creditsafe Connect Integrates with the standard tables for customers and vendors. In the example below, general settings have been made for Swedish companies and persons and a company unique setting where no synchronization should be done by name, address etc.

If no lines are registered in this table, no updates are made to customers or vendors.

16.7.11.1 Field names

FIELDNAME	DESCRIPTION
CREDITSAFE COUNTRY CODE	The country code the setting refers. Can be empty.
TYPE	The type (company or person) setting refers to the.
SUBTYPE	The subtype (e.g. AB, HB etc) the setting refers to. Can be .
OBJECT ID	The object ID the setting refers to. Can be empty.
LINK TO TABLE	The "target table" the setting refers to. Can be customer, vendor or blank.
NAME	Specifies whether to update name.
ADDRESS	Specifies whether to update address.
POSTAL CODE	Specifies whether to update postal code.
CITY	Specifies whether to update city.
COUNTRY CODE	Specifies whether to update country/region code The options are: - Blank (no integration) - Always (always update) - Foreign (only update if country code differs from the contry code in the company information)
PHONE NUMBER	Specifies whether to update phone number.
CREDIT LIMIT	Specifies whether to update credit limit. The options are: - Blank (no integration) - Directly (the customer card is updated immediately when the report data is retrieved) - Indirectly (update is done with the credit limit/blocking proposal)
MAXIMUM CREDIT LIMIT (LCY)	Maximum value of credit limit on customer. Although the Creditsafe suggests a higher value, the customer will not be updated with a higher value than is specified in this field.

CUSTOMER TEMPLATE CODE	Specifies whether a customer template should be automatically used when creating a customer.
	If this field is blank, the list of customer templates will be opened when customers are created for manual selection if "Customer Default Data" in the settings is "Customer Template".
CONFIGURATION TEMPLATE CODE	Indicates whether a configuration template should be used when creating a customer or vendor. Can be combined with customer template.
	If this field is blank, the customer/Vendor Templates list is created for manual selection if "Standard customer data"/"Standard tasks for vendor" in the settings is "configuration template".
NO. ASSIGNMENT	Determines whether the customer/vendor number shall be assigned using the number serie specified in the sales & receivables setup or if the Creditsafe ID should be used.
	In some countries, the Creditsafe ID is longer than 20 characters, which means that the customer number can truncated. If duplicates occur because of truncation the number serie will be used.

16.7.12 Credit Rank Group Mappings

The list shows the mappings between the rating index value on a monitoring object and the Credit Rank Group. Ranking applies to companies.

It is only applicable with mapping of rankings from the Swedish Web service since it delivers ranking in numerical values. GLOBAL CONNECT ranks from A to E and are thus mapped directly from the report parameter to the object card with field mapping without mapping.

16.7.13 Credit Score Group Mappings

The list shows the mappings between the scoring index value on a monitoring object and the Credit Rank Group. Ranking applies to persons.

From Scoring Index ↑	To Scoring Index ↑	Credit Score Group Code	Credit Score Group Description
-100	0	E	No Solvency Assessement
1	19	D	Low Solvency
20	39	C	Medium Solvency
40	69	B	High Solvency
70	100	A	Very High Solvency

16.8 Change Groups

The list of Change Groups is opened from Manual Setup or by searching for "Change Groups" in "Tell me".

Changes reported by Creditsafe Change Check (Swedish Web service only) or portfolio monitoring is done based on change groups. For each group the settings decide if a change (which occurs after last retrieval of the report data or credit template check) should indicate that new report data needs to be retrieved from Creditsafe and/or a new credit template check need to be done.

Code ↑	Description	New Report Data	New Credit Check
BAN	Bancruptcy	☑	☑
BOA	Company Board	☑	☑
CIS	Civil Status	☑	☑
COE	Company engagement	☑	☑
CON	Contact info	☑	☑
CTX	Company tax	☑	☑
DAM	Debt public claim	☑	☑
DAP	Payment remark public claim	☑	☑

16.9 Credit Rank Groups

The list of Credit Rank Groups is opened from Manual Setup or by searching for "Credit Rank Groups" using "Tell me".

Credit Rank Groups are general regardless of whether the data is retrieved from the Swedish web service or GLOBAL CONNECT. The score groups are used to group companies into different risk categories.

Code ↑	Description	Fixed Credit Limit (LCY)	Max. Credit Limit (LCY)
A	Very low risk		
B	Low Risk		
C	Medium Risk		
D	High Risk		
E	No Risk Assessement		

CREDIT RANK GROUPS | WORK DATE: 2021-01-28   ✓ SAVED

Search   + New   Edit List   Delete   Open in Excel

16.10   Credit Score Groups

The list of Credit Score Groups is opened from Manual Setup or by searching for "Credit Score Groups" using "Tell me".

Credit Score Groups are only used for data sources that support private individuals. The score groups are used to group persons into different solvency categories.

16.11 Report Parameters

Report parameters are independent of the data source and are attached to the report specific XML nodes to map data from different reports into the same parameter.

16.11.1 Groups

Open the list of Parameter Groups from Manual Setup or by searching for "Report Parameter Groups" using "Tell-me".

Groups are the headlines in the reports that are stored when data is retrieved for an item. The sort index allows the order of the heading level to be checked, and with the active column, an entire group can be enabled/disabled.

The parameters action opens a list of the group's parameters.

FIELDNAME	DESCRIPTION
CODE	The parameters internal code in Creditsafe Connect.
DESCRIPTION	A descriptive text of the parameter that appears in the report.
PARAMETER GROUP CODE	The group to which the parameter is attached.
DATATYPE	All data retrieved from Creditsafe is in text form. With the setting for Datatype , the formatting of reports can be controlled. Possible choices are: - Blank (original format) - Integer - Decimal number - Percent - Date
SORT INDEX	Controls sorting of parameters within the group.
IGNORE BLANK VALUES	Determines whether a parameter value should be displayed or not if the value is empty.
ACTIVE	By activating/deactivating, you can control whether the parameter is to be used or not.
USED IN REPORTS	Shows how many reports use the parameter

Clicking the "Used in Reports" column displays the list of XML nodes associated with the current parameter. The following example shows the reports that use the "REGNO" parameter.

16.11.2 Report Parameter Mappings

The list of parameter mappings is opened from the Manual setup or by searching for "Report Parameter Mappings" using "Tell-me".

Field mappings link report parameters into fields on the Monitoring Object. Every time the report data is retrieved, field updates on Monitoring Object are based on field mappings.

16.12 Translations

Creditsafe Connect Supports English and Swedish in the user interface and description texts in parameter group setup tables, parameters, etc. To be able to choose between English or Swedish in setup tables, Swedish and English descriptions/names are stored in tables. Creditsafe Connect also includes functions for creating new language in the setup tables.

The language support also makes it possible to change descriptions and names of parameters, etc. If you want to use terms other than those supplied as standard in Creditsafe Connect.

The setup tables supported by the language management are

- Country
- Parameter group
- Parameter
- Change Group
- Credit Rank Group
- Credit Score Group

Changes in translations also updates existing data. This means that if the language is changed all captions/headlines are changed in existing report data.

![creditsafe logo]

16.12.1 Language

The list of languages are opened from the Manual Setup or by searching for "Data Caption Languages" using "Tell-me".

FIELDNAME	DESCRIPTION
LANGUAGE	Language Code.
NAME	The name of the language.
ACTIVE	Specifies which of the languages is active.
NUMBER OF CAPTIONS	Shows how many captions there is.
NUMBER OF TRANSLATIONS	Shows how many captions that have translations
NUMBER OF MISSING TRANSLATIONS	Shows how many captions that do not have translations.

ACTION	DESCRIPTION
COPY TRANSLATIONS	Copies translations from another language. For example, if the captions for the language code FRA shall be created, it may be useful to copy the English headlines first and then translate them into French.
ENABLE/UPDATE	Command to change/update the language in the description-/name columns.
CAPTIONS	Opens a list of language titles.

16.12.2 Data Captions

Open the list of Data Captions from Manual Setup or by searching for "Data Captions" using "Tell-me".

DATA CAPTIONS | WORK DATE: 2021-01-28   ✓ SAVED

🔍 Search   + New   📝 Edit List   🗑 Delete   Caption   📊 Open in Excel

Table ID ↑	Table Name	Code ↑	No. of Translations	No. of Missing Translations
12066771	Country	AE	2	–
12066771	Country	AL	2	–
12066771	Country	AT	2	–
12066771	Country	BA	2	–
12066771	Country	BE	2	–
12066771	Country	BG	2	–
12066771	Country	CA	2	–
12066771	Country	CH	2	–
12066771	Country	CZ	2	–
12066771	Country	DE	2	–
12066771	Country	DK	2	–

16.12.3 Data Caption Translations

For each row, there is always one row per language in the underlying table of translations that opens with the "translations" action on the action bar.

12066771 · AE | WORK DATE: 2021-01-28

Data Caption Translations

🔍 Search   + New   📝 Edit List   🗑 Delete   📊 Open in Excel

Language Code ↑	Code ↑	Caption
ENU	AE	United Arab Emirates
SVE	AE	Förenade Arabemiraten

17 Technical information

17.1 Changes in standard pages

Creditsafe Connect includes changes in the following standard BC pages in addition to changes in role centers:

PAGE	CHANGE DESCIPTION
USER SETUP	• Checkbox that enables the user to manually override a failed creditcheck and change Credit Template Code on monitoring objects. • "Our reference" that is sent to the Swedish datasource for statistics. This field is not visible by default.
APPROVAL USER SETUP	• Checkbox that enables the user to manually override a failed creditcheck and change Credit Template Code on monitoring objects.
CUSTOMER CARD	• Fact box for credit monitoring. • Fact box with vendor statistics*.
CUSTOMER LIST	• Fact box for credit monitoring. • Fact box with vendor statistics*. • Checkbox in the list that shows if the customer is linked to a monitoring object.
VENDOR CARD	• Fact box for credit monitoring. • Fact box with customer statistics*.
VENDOR LIST	• Fact box for credit monitoring. • Fact box with customer statistics*. • Checkbox in the list that shows if the customer is linked to a monitoring object.
SALES QUOTE	• Fact box for credit monitoring.
SALES QUOTES	• Fact box for credit monitoring. • Fact box with vendor statistics*.
SALES ORDER	• Fact box for credit monitoring.
SALES ORDER LIST	• Fact box for credit monitoring.
SALES INVOICE	• Fact box for credit monitoring.
SALES INVOICE LIST	• Fact box for credit monitoring.
SALES CREDIT MEMO	• Fact box for credit monitoring. • Fact box with vendor statistics*.
SALES CREDIT MEMOS	• Fact box for credit monitoring. • Fact box with vendor statistics*.
SALES RETURN ORDER	• Fact box for credit monitoring.
SALES RETURN ORDER LIST	• Fact box for credit monitoring. • Fact box with vendor statistics*.
SALES BLANKET ORDER	• Fact box for credit monitoring. • Fact box with vendor statistics*.
SALES BLANKET ORDERS	• Fact box for credit monitoring. • Fact box with vendor statistics*.
PURCHASE INVOICE	• Fact box with customer statistics*.

* Visible if a vendor and customer is linked to the same monitoring object and "Combine Customer and Vendor Statistics" is enabled in the Credit Monitoring Setup.