



Implementation Guide for Clasic Supply Basic

Author	Andreas Maurer
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1.3	1.3	24.04.2020	Andreas Maurer	Revised notes for file import

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1 Purpose

TecAlliance offers Classic Supply Basic as a service. This document describes the steps and the necessary requirements for the implementation of the Classic Supply Basic service.

The TecProfile solution requires that inventory data can be imported into the Profile Database and order data can be exported from it. The supplier using T Classic Supply Basic can integrate the exported order data into his ERP system.

2 Classic Supply Basic

In order to integrate the Classic Supply Basic solution, several prerequisites must be fulfilled.

2.1 Prerequisites

The following requirements must be met before the supplier can use the Classic Supply Basic service:

- Windows System which supports .NET Framework 4.0
- TCC (TecOpenMessaging Commandline Client)
- Internet access via port 80 and/or 443
- Email address (for Logfiles)
- ERP system, which supports importing and exporting of CSV files.

2.2 Installation

TCC should be installed according to the Installation guide on the target server.

2.3 Data Import

To ensure that Classic Supply Basic functions correctly, the data files for transmission need to be in the CSV format as defined by TecAlliance.

The order data, in a defined format, can be received at fixed intervals via TCC

The following data files are required for the import routine:

Description	Data file
Customer material number	CUSTMATERIAL.DAT ¹
Customer master data	PARTNER.DAT ²
Material master data	MATERIAL.DAT ²
Material Number Reference Table	REFERENCEMAT.DAT ¹
Prices	MATPRICE.DAT ¹
Inventory	INVENTORY.DAT ²

The data files must be named exactly the same as in the table above. The import takes places at least twice daily and maximum hourly. The times when the imports are to take place are setup as a task for each Classic Supply Basic supplier. The files listed above are entirely imported into the Prefile database, differential

¹ The transmission of this file is optional.

² The transmission of this file is mandatory.

actualisations and data attachments in the relevant table are not possible. To ensure a successful import, it is important that the data is of high quality. The ImportProfile.exe examines the files to be imported for consistency; to avoid inconsistencies in the database, constraints are used to guarantee referential integrity.

If the import routine errors, then no data is imported. Import errors are written to three different files each one of a different category. The cause of the error is written to the ImportProfile.log. In addition to error logfiles for each table, the SQL*Loader writes error data records in *.bad files. In order for the supplier to control the status of the import, these logfiles can be optionally made available.

2.4 Data export

Order need to be exported from the Profile database. This takes place, as above, with a special program that creates order files in format as defined by TecAlliance. The following files are created:

Description	Data file
Orders	ORDERS.DAT
Order Items	ORDERITEMS.DAT
Ship To	SHIPTO.DAT

The export takes place, as with the import, at least twice daily and maximum hourly. The supplier can pick up the export files at the times TecAlliance has defined for him.

3 Data Transmission

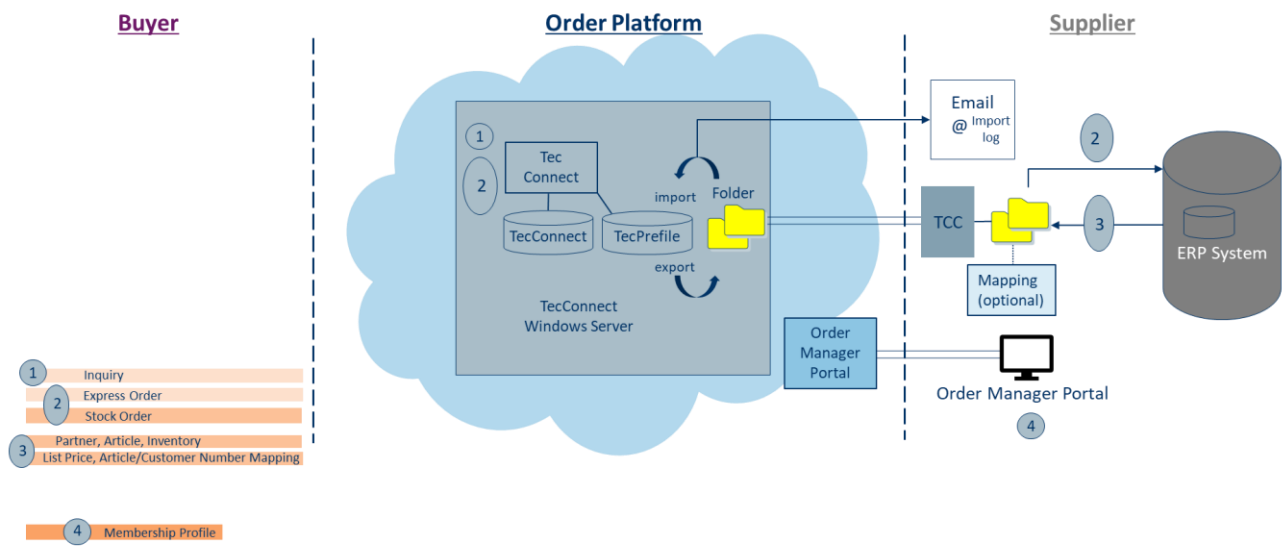
The data transmission of the import and export files takes place by calling the TecOpenMessaging Web Service. The standard scenario uses the TCC which sends the files in batch mode to the Order platform.

The supplier must provide the export file from his ERP system in a directory on the Windows system to which the TCC has access.

The supplier must also have a directory in which the TCC can place the order files so that they can then be imported into his ERP system. The TCC call should be setup as a Windows scheduled task.

Module Order - Supplier #61 Basic

Classic



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The Log- and „Bad“ files are sent by email to one or more process responsible contacts and needs to be checked regularly.

3.1 Error Handling

In case of errors, the status code and the status message (INFO, WARN, ERROR) that are written to the logfile, are returned to the calling instance of TCC. Therefore, it is already possible to verify if an error has occurred during the transmission.

3.2 Action in case of errors

Should the user determine an error by means of the logfile, the files can be resent after eliminating the error. It is imperative that the allocated time frames be paid attention to: with hourly transmission, this can lead to erroneous inventory for a period of one hour.

4 Attachment

4.1 Format description of import files

Note: the transmitted file must be in ASCII or ISO-Latin-x. Importing of UTF-8 or Unicode files is not supported. All formats are in CSV format, fields are separated by ; (semicolon). Records must end with Carriage Return and Linefeed (&H0D0A)³

In order for the Classic Supply Basic to work properly, the data files must be submitted in the TecAlliance established CSV Format

CUSTOMATERIAL.DAT transmission of the file is optional.

Field name	Length	Type ⁴	Mandatory	Description
CUST_MATERIAL_NR	30	A/N	N	Customer material number
PARTNER_NR	13	A/N	N	Customer number (as exists in PARTNER.DAT)
MATERIAL_NR	30	A/N	N	Supplier material number (as exists in MATERIAL.DAT)

PARTNER.DAT - transmission of the file is mandatory.

Field name	Length	Type	Mandatory	Description
PARTNER_NR	13	A/N	Y	Customer number
NAME1	35	A/N	N	Customer Name1
NAME2	35	A/N	N	Customer Name2
POST_CODE	10	A/N	N	Customer Postal Code
CITY	35	A/N	N	Customer City
STREET1	35	A/N	N	Customer Street1
STREET2	35	A/N	N	Customer Street2
TEL	25	A/N	N	Customer Telephone Number
FAX	25	A/N	N	Customer Fax Number
EMAIL	256	A/N	N	Customer Email Address
CNTR_CODE	2	A/N	N	ISO Currency code (in accordance with ISO 3166)

³ UNIX file format are not supported and should be converted to MS-DOS format prior to transmission.

⁴ Type: A/N = Alpha or Numeric; NUM = Numeric; INT = Integer

MATERIAL.DAT - transmission of the file is mandatory

Field name	Length	Type	Mandatory	Description
MATERIAL_NR	30	A/N	Y	Supplier material number
EAN	14	A/N	N	EAN Number of the Material
SHORT_TEXT	40	A/N	N	Article short text
MANUFACTURER	32	A/N	N	Manufacturer
ALTERN_MAT_NR	30	A/N	N	Material Number of Alternative Part (as exists in MATERIAL.DAT)

REFERENCEMAT.DAT - transmission of the file is optional

Field name	Length	Type	Mandatory	Description
MAT_NR_MANUFACT	30	A/N	Y	Material Number of Manufacturer
NR_SYS_MANUFACT	6	A/N	Y	Maker Code of Manufacturer
MATERIAL_NR	30	A/N	Y	Supplier Material Number (as exists in MATERIAL.DAT)

MATPRICE.DAT - transmission of the file is optional

Field name	Length	Type	Mandatory	Description
MATERIAL_NR	30	A/N	Y	Supplier material number (as exists in MATERIAL.DAT)
UNIT_FOR_PRICE	3	A/N	Y	ISO Unit of Measure for Price
VALID_FROM	8	A/N	Y	Valid from, Format: YYYYMMDD e.g. 20200430
PRICE	10	INT	Y	Full Price amount in lowest currency unit e.g. 100000 equals €100 (multiplied by factor of 1000)
CURRENCY	3	A/N	Y	ISO 4217 Currency Code
STANDARD_PRICE_UNIT	1,0	NUM 1,0	Y	Full Price Unit with decimals 0 = No; 1 = Yes
PER_QTY	5,0	NUM 5,0	N	Full Price per Unit Of Measurement (e.g. 10 EUR for 20 items)
DISCOUNT_GROUP	6	A/N	N	Discount Group
PRICE2	10	INT	N	Full Price amount in alternative currency (multiplied by factor of 1000)

Field name	Length	Type	Mandatory	Description
CURRENCY2	3	A/N	N	ISO 4217 Currency Code of the alternative currency

INVENTORY.DAT - transmission of the file is mandatory

Field name	Length	Type	Mandatory	Description
MATERIAL_NR	30	A/N	Y	Supplier material number (as exists in MATERIAL.DAT)
SALES_UNIT	3	A/N	Y	Sales Unit ISO compliant
STOCK ⁵	10	INT	Y	Available stock amount (multiplied by factor of 1000)
STANDARD_SALES_UNIT	1,0	NUM 1,0	N	Standard Sales Unit (if material is available in multiple units) 0 = No; 1 = YES

4.2 Export file format description:

ORDERS.DAT

Field name	Length	Type	Mandatory	Description
ORDER_NR	10	A/N	Y	Automatically generated key
PARTNER_NR	13	A/N	Y	Buyer Partner Number
PO_DATE	8	A/N	Y	Date, Format: YYYYMMDD e.g.: 20050412
PO_TIME	6	A/N	Y	Time, Format HHMMSS e.g.: 120150
PART_DLV	1	NUM	Y	Partial Delivery allowed 0 = Not Allowed; 1 = Allowed
BACKLOG_ALLOWED	1	NUM	Y	With or without Backlog (always 0) 0 = Not Allowed; 1 = Allowed
DISPATCH_MODE	1	NUM	Y	Dispatch Mode 0 = Stock Order 1 = Normal 2 = Express 3 = Overnight 4 = Pickup

⁵ Available Stock Amount in multiples of 1000 (e.g. 87 PCE must be delivered as 87000)

Field name	Length	Type	Mandatory	Description
				5 = Cash on Delivery 6 = Sea Freight 7 = Air Freight
CUST_NAME	30	A/N	N	Clerk
CUST_TELEPHONE	25	A/N	N	Clerk's Telephone number
PO_NUMBER	20	A/N	N	Buyer's Purchase Order
CURRENCY	3	A/N	N	ISO 4217 Currency Code
FLAG	1	NUM	N	Internal key (not meant for evaluation)
PROMOTION_CODE	20	A/N	N	Code for Promotions
ANO	20	A/N	N	Code for Arrival Notice Number
INCOTERMS1	20	A/N	N	Code for Incoterms, e.g.: FAS, CIF etc.
INCOTERMS2	20	A/N	N	Incoterms 'Named Place' e.g.: Hamburg
STORAGE_LOCATION	20	A/N	N	Customer's Storage Location
CARRIER_ID_ILN	20	A/N	N	International Location Number of Carrier
SPEDEITION	20	A/N	N	Carrier Code
FREE_TEXT	20	A/N	N	Free Text
EXPRESS_DLV_COND	20	A/N	N	Delivery Condition for Express Orders

ORDERITEMS.DAT

Field name	Length	Type	Mandatory	Description
ORDER_NR	10	A/N	Y	Foreign key on ORDER_NR (as in ORDER_HEADER.DAT)
ITM_NR	6	NUM	Y	Item Number
MATERIAL ¹	30	A/N	N	Supplier material number (as in MATERIAL.DAT)
EAN ⁶	14	A/N	N	EAN Number
CUST_MATERIAL_NR ⁷	30	A/N	N	Customer material number
QUANTITY	6	NUM	Y	Amount (multiplied by factor 1000)
UNIT	3	A/N	N	Unit

¹ If the supplier's material number does not exist, then either the customer material number or EAN must be used.

⁶ If the EAN Code does not exist, then either the customer material number or the supplier's material number must be used.

⁷ If the customer's material number does not exist, then either the supplier material number or EAN must be used.

Field name	Length	Type	Mandatory	Description
CUST_PRICE_CATEGORY	1	NUM	N	
CUST_PER_QTY	10	NUM	N	
CUST_UNIT_FOR_PRICE	3	A/N	N	
CUST_DISCOUNT_GROUP	4	A/N	N	
CUST_PRICE	10	NUM	N	
CUST_CURRENCY	3	A/N	N	
PART_DLV	1	NUM	Y	Partial Delivery Allowed 0=Not Allowed, 1=Allowed
BACKLOG_ALLOWED	1	NUM	Y	Backlog allowed 0=Not Allowed, 1=Allowed
REQ_DATE	8	A/N	N	Requested Delivery Date Format=YYYYMMDD
PROMOTION_CODE	20	A/N	N	Code for Promotions
ANO	20	A/N	N	Code for Arrival Notice Number
INCOTERMS1	20	A/N	N	Code for Incoterms, e.g.: FAS, CIF etc.
INCOTERMS2	20	A/N	N	Incoterms 'Named Place' e.g.: Hamburg
STORAGE_LOCATION	20	A/N	N	Customer's Storage Location
CARRIER_ID_ILN	20	A/N	N	International Location Number of Carrier
SPEDITION	20	A/N	N	Carrier Code
FREE_TEXT	20	A/N	N	Free Text
EXPRESS_DLV_COND	20	A/N	N	Delivery Condition for Express Orders

BILL_SHIP.DAT¹¹

Field name	Length	Type	Mandatory	Description
ORDER_NR	10	A/N	Y	Foreign key as in ORDERS.DAT
ROLE	2	A/N	Y	Alternative Ship TO=WE Alternative Invoice Recipient=RE ⁸

⁸ Alternative Invoice recipient is not currently supported.

Field name	Length	Type	Mandatory	Description
BILL_SHIP_NUMBER ⁹	13	A/N	N	Ship To Number
NAME1	35	A/N	N	Ship To Name1
NAME2	35	A/N	N	Ship To Name2
POST_CODE	10	A/N	N	Ship To Postal Code
CITY	35	A/N	N	Ship To City
STREET1	35	A/N	N	Ship To Street1
STREET2	35	A/N	N	Ship To Street2
TEL	25	A/N	N	Ship To Telephone Number
FAX	25	A/N	N	Ship To Fax Number
EMAIL	256	A/N	N	Ship To Email Address
CNTR_CODE	2	A/N	N	Ship To Country Code

⁹ Alternative Invoice address is not currently supported.

5 Other import and export formats

Formats other than the TecAlliance standard format are not supported. Should the need arise, then this can only be done as a billable customer project.