



SDI 365 User Manual

Microsoft Dynamics 365 Business Central

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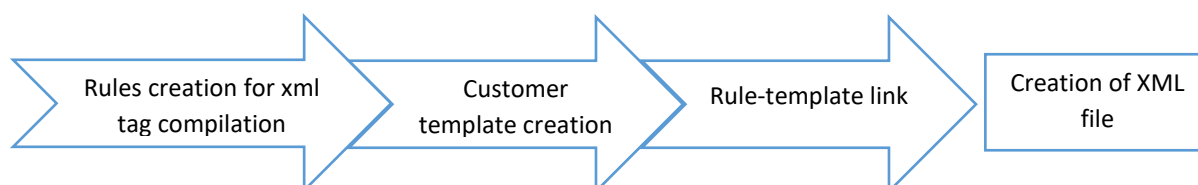


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Introduction

The **SDI 365** extension has as its purpose the automatic management of the xml file tags for sales and service invoices, through the creation of rules and templates, with the consequent creation of the same:



Document purpose

The document purpose is to explain how the extension works, starting from the setup and ending with the generation of the xml file.

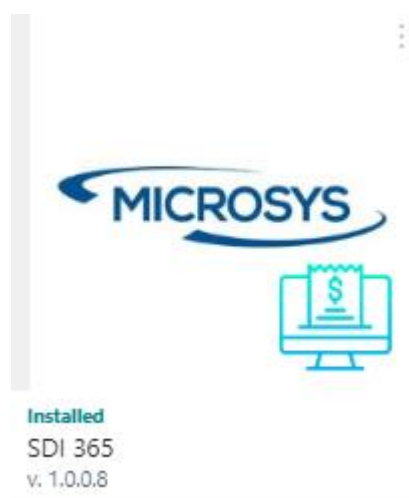
Extension general information

The extension comes from the need to satisfy the various requests made by customers to their suppliers in the most flexible and automated way possible.

For this purpose, there are a series of setup pages for managing:

- Tag present in the xml file and its value
- Possible assignment of virtual stamp duty to be paid by the customer or not
- Split payment

This is what it looks like in the list of available extensions:



Prerequisites







The following app is requested in order to install SDI 365:

- Framework 365 (for the activation key)

Activation key request

Go to "Microsys Extension List":

MICROSYS EXTENSION LIST | WORK DATE: 4/1/2020

 Search	 Edit List	 Delete	 Require Activation Key	 Remove Activation Key	 Open in Excel
Extension Name	Extension Module 1			Machine Code	
→ SDI 365	:			BF3ECE9E1A28897A428B08A053AE14D7	

Click on "Require Activation key" and a message will be prompted with the information required by Microsys to activate your solution:



Send the following message to Microsys via e-mail at licensing@msys.it

Company Name : CRONUS IT
Heading : CRONUS IT
Phone No. : +39-02-660-6666
Email :

Extension;Module;MachineCode
SDI 365;;BF3ECE9E1A28897A428B08A053AE14D7

OK

When you receive from Microsys the Activation Key, insert it in the "Activation Key" field and you will be notified regarding the right activation of the solution and the due date:



The solution is now active until 31/12/20

OK

Setup

Stamp duty

The automatic stamp management uses the standard fields on the document sales header and, in case of debit to the customer, adds a line on the document.

This management can be activated by following the setups shown below.

Setup SDI

Enter the desired values:

- **Activation Amount:** is the minimum amount that the document must have to ensure that the stamp is assigned. This value is entered when the extension is installed.
- **Amount:** is the value of the stamp. This value is entered when the extension is installed.
- **Recharge:** specifies the account to be used in the automatic creation of the line on the sales document (only in the case of debit to the customer).
- **Line description:** specifies the line description to be used in the automatic creation of the line on the sales document (only in the case of debit to the customer).
- **VAT Prod. Posting Group:** specifies the category to be used in the automatic creation of the line on the sales document (only in the case of debit to the customer).

Stamp Duty

Activation Amount	<input type="text" value="77.47"/>	Amount	<input type="text" value="2.00"/>
Recharge	<input type="text" value="5780"/>	Line Description	<input type="text" value="Stamp duty paid virtually."/>
VAT Prod. Posting Group	<input type="text"/>		

VAT posting setup

Enter the desired management for each intersection where the stamp is expected:

- **XML only:** only in the xml document (not charged to the customer)
- **Customer charge:** a line is inserted on the document, charging it to the customer

VAT POSTING SETUP | WORK DATE: 1/27/2022

<div> <div>Search</div> <div>+ New</div> <div>Edit List</div> <div>Delete</div> <div>Edit</div> <div>View</div> <div>Suggest Accounts</div> <div>Copy...</div> <div>Open in Excel</div> </div>							
VAT Bus. Posting Group ↑	VAT Prod. Posting Group ↑	Description	VAT Identifier	V... %	Virtual Duty	Incl... in VAT Tran...	Deductible %
	IVA10		IVA10	0		<input type="checkbox"/>	100
	IVA20		IVA20	0		<input type="checkbox"/>	100
	NO IVA		NO IVA	0		<input type="checkbox"/>	100
ESPORTAZ	IVA10		IVA10	10		<input type="checkbox"/>	100
ESPORTAZ	IVA20		IVA20	20		<input type="checkbox"/>	100
→ ESPORTAZ	NO IVA		NO IVA	0		<input type="checkbox"/>	100
NAZIONALE				0		<input type="checkbox"/>	100
NAZIONALE	E13		E13	0		<input type="checkbox"/>	100
NAZIONALE	IND50		IND50	20		<input type="checkbox"/>	50
NAZIONALE	IVA10		IVA10	10		<input type="checkbox"/>	100
NAZIONALE	IVA20		IVA20	20		<input type="checkbox"/>	100
NAZIONALE	IVA22		IVA22	22		<input type="checkbox"/>	100
NAZIONALE	IVA22SP		IVA22	22		<input type="checkbox"/>	100
NAZIONALE	NO IVA		NO IVA	0		<input type="checkbox"/>	100
UE	IVA10		IVA10	10		<input type="checkbox"/>	100
UE	IVA20		IVA20	20		<input type="checkbox"/>	100
UE	NO IVA		NO IVA	0		<input type="checkbox"/>	100

If a document has two intersections in which the stamp management is different, the debit one prevails.

Split payment

Split payment management uses the standard Business Central setup:

VAT POSTING SETUP | WORK DATE: 1/27/2022

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Search

+

New

Edit List

Delete

Edit

View

Suggest Accounts

Copy...

Open in Excel

More options

VAT Bus. Posting Group ↑	VAT Prod. Posting Group ↑	Description	VAT Identifier ▼	V... %	Virtual Duty	Incl... in VAT Tran...	Deductible %	VAT Calculation Type	Reversed VAT Bus. Post. Group	Reversed VAT Prod. Post. Group
NAZIONALE	IVA22		IVA22	22		<input type="checkbox"/>	100	Normal VAT		
→ NAZIONALE	IVA22SP		IVA22	22		<input type="checkbox"/>	100	Full VAT	NAZIONALE	IVA22
						<input type="checkbox"/>				

The automation is inserted when the document is released, with the insertion of the line for reversing full-VAT.

Withholding tax

This management can be activated by following the setups shown below.

Setup SDI

Enter the desired values. Some of these values will be reported in the header of the sales document:

Withholding Tax

Withholding Tax Type	RT01	Withholding Tax Account	
Base %	5.00	Reason For Payment	A
Withholding Tax %	10.00		

VAT identifier

Enter the flag to activate the withholding tax management for the desired VAT code:

VAT IDENTIFIER | WORK DATE: 1/27/2022

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Search + New Edit List Delete Open in Excel

Code ↑	Description	Subject To Withholding Tax	Subject To Enasarco	Subject to VAT Plafond
→ E13	Non soggetto riten. - art. 13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCI2	F.C.I. Art.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I10	Non soggetto riten. - art. 10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IND100	IVA 20% - 100% non detraibile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IND50	IVA 20% - 50% non detraibile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IVA10	IVA 10%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IVA20	IVA 20%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IVA22	IVA 22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NI41	N.I. art. 41 DL 331/93	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NI8	Non imponibile - Art. 8/1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NI9	Non imponibile - Art. 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NO IVA	Non imponibile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Sales header

The sales document shows the values of the following fields from the SDI setup and both can be edited:

MSYS Additional Information

Reason	<input type="text"/>	WITHHOLDING TAX	
Stamp Duty Exclusion	<input type="checkbox"/>	Withholding Tax %	<input type="text" value="10.00"/>
PA Code	<input type="text" value="v"/>	Base %	<input type="text" value="5.00"/>
		ENASARCO	
		Cash %	<input type="text" value="30.00"/>

Enasarco

This management can be activated by following the setups shown below.

Setup SDI

Enter the desired values. Some of these values will be reported in the header of the sales document:

Enasarco

Cash Type	TC01	Enasarco Account	
Cash %	30.00	Withholding Tax	<input type="checkbox"/>
VAT %	4.00	Nature	N2

VAT identifier

Enter the flag to activate the Enasarco management for the desired VAT code:

VAT IDENTIFIER | WORK DATE: 1/27/2022

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Search + New Edit List Delete Open in Excel



Code ↑	Description	Subject To Withholding Tax	Subject To Enasarco	Subject to VAT Plafond
→ E13	Non soggetto riten. - art. 13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCI2	F.C.I. Art.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I10	Non soggetto riten. - art. 10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IND100	IVA 20% - 100% non detraibile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IND50	IVA 20% - 50% non detraibile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IVA10	IVA 10%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IVA20	IVA 20%	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IVA22	IVA 22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NI41	N.I. art. 41 DL 331/93	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NI8	Non imponibile - Art. 8/1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NI9	Non imponibile - Art. 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NO IVA	Non imponibile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Sales header

The sales document shows the value of the following field from the SDI setup. The value can be changed and calculations are done with this value:

MSYS Additional Information




Reason	<input type="text"/>	WITHHOLDING TAX	
Stamp Duty Exclusion	<input type="checkbox"/>	Withholding Tax %	<input type="text" value="10.00"/>
PA Code	<input type="text" value="v"/>	Base %	<input type="text" value="5.00"/>
		ENASARCO	
		Cash %	<input type="text" value="30.00"/>

Rule and template

On this page it is possible manage some information relating to rule and template, in particular with the actions entered in the ribbon:




- Insert new rule
- Insert new template
- Associate template-rule








Setup SDI

 Insert new rule
  Insert new template
  Associate template-rule

Rule creation

On this page it is possible to insert a new rule:

SDI RULE LIST | WORK DATE: 1/27/2022 ✓ SAVED   

 Search
  New
  Edit List
  Delete
  Open in Excel
  

Rule Code f	Description	Group No.	Tag Group	Tag Name	Rule Text	Table 1	Field 1	Table 2	Field 2
→ EANTYPE	EAN type	0	CodiceArticolo	CodiceTipo	EAN				
EANVALUE	EAN value	0	CodiceArticolo	CodiceValore	%1	Item Cross Ref.	Cross-Refere...		
OTHERDATATYPE	Other data type	0	AltriDatiGestionali	TipoDato	Other data				
OTHERDATAVALUE	Other data value	0	AltriDatiGestionali	RiferimentoTesto	Doc no. %1 of %2	Sales Line	Document No.	Sales Line	Shipment Date
PURCHREF	Your reference	0	DatiOrdineAcquisto	IdDocumento	%1	Sales Header	Your Reference		
REASON	Reason of the document	0	DatiGeneraliDocumento	Causale	%1	Sales Header	Reason		

- **Rule Code:** code of the rule that will be associated with the template
- **Description:** description of the rule
- **Group No. :** specifies the group of tag name for tag group that can be repeated multiple times
- **Tag Group:** father of the managed tag
- **Tag Name:** name of the managed tag. This tag is selected from a page with additional information:
 - o **Tag Code:** tag code used defined by tax specifications
 - o **Data Type:** type of data managed
 - o **Occurrency:** occurrence of the managed tag:
 - **0.1:** optional
 - **1.1:** mandatory
 - **0.N:** optional multiple
 - **1.N:** mandatory multiple
 - o **Min. Length:** minimum required length of the managed tag
 - o **Max. Length:** maximum required length of the managed tag

+ New
Edit List
Delete
Open in Excel

SDI TAG LIST

Tag Code ↑	Tag Group ↑	Tag Name ↑	Data Type	Occurrence	Min. Length	Max. Length
→ 2.1.1.11	DatiGeneraliDocumento	Causale	Text	0..N	1	200
2.1.9.3	DatiTrasporto	CausaleTrasporto	Text	0..1	1	100

- **Rule Text:** the rule text can be a fixed text or a value taken from a field in the document header, in the document lines or in the cross reference table. When using references to table fields, they must be expressed in the rule as **%1** (field 1) and **%2** (field 2).
- **Table 1:** table from which to take the desired field.
- **Field 1:** name of the desired field
- **Table 2:** table from which to take the desired field.
- **Field 2:** name of the desired field

Template creation

On this page it is possible to insert a new template, which must be linked to at least one rule and entered in the customer card:

SDI TEMPLATE LIST | WORK DATE: 1/27/2022

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+ New
Edit List
Delete
Open in Excel

Code ↑	Description
→ CUSTOMERTEST	Customer test

In customer card:

CUSTOMER CARD | WORK DATE: 1/27/2022

+

✓ SAVED

10000 · Cannon Group SpA

New Document
Request Approval
Navigate
Customer
Actions
Navigate
Report
Fewer options

General
Show more

No.	10000	Total Sales	26,399.19
Name	Cannon Group SpA	Costs (LCY)	18,229.30
Balance (LCY)	259,919.31	Tax Representative Type	
Balance Due (LCY)	0.00	Tax Representative No.	
Credit Limit (LCY)	0.00	Cust. Template	CUSTOMERTEST
Exposure (LCY)	0.00	Cust. Type	Company

Associate template-rule

On this page it is possible to associate the template with one or more rules:

SDI TEMPLATE RULE LIST | WORK DATE: 1/27/2022

✓ SAVED

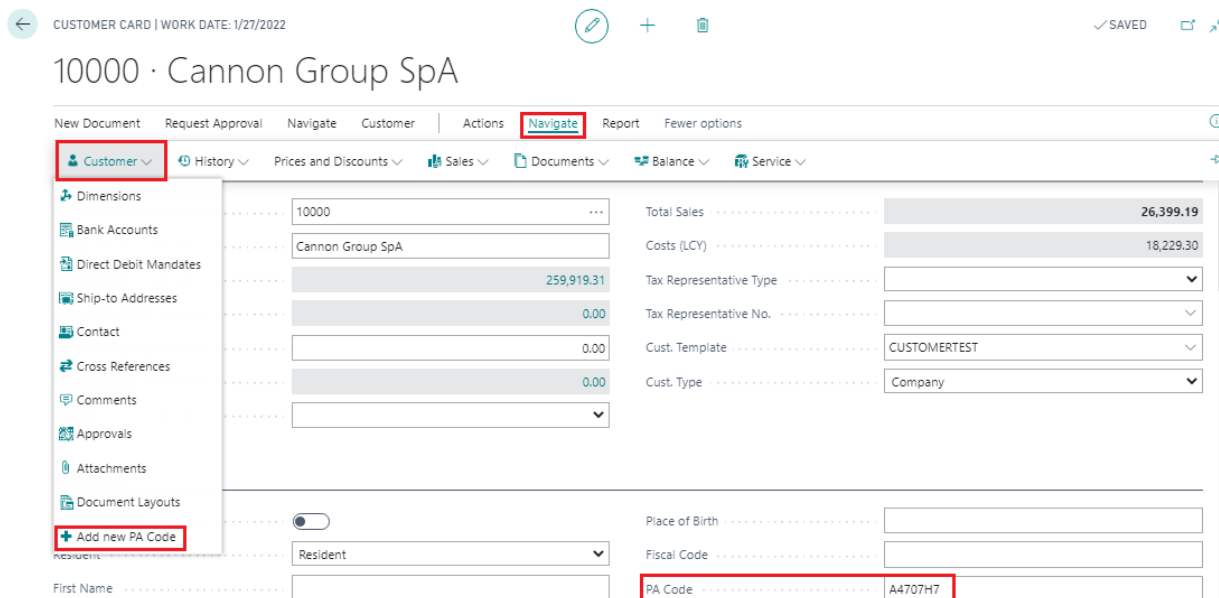


 Search
  New
  Edit List
  Delete
  Open in Excel
 


Template Code ↑		Template Rule ↑	
→	CUSTOMERTEST	:	EANTYPE
	CUSTOMERTEST		EANVALUE
	CUSTOMERTEST		OTHERDATATYPE
	CUSTOMERTEST		OTHERDATAVALUE
	CUSTOMERTEST		PURCHREF
	CUSTOMERTEST		REASON

Multiple PA code

On the customer card it is possible to add additional PA codes, in addition to the one present by default:



CUSTOMER CARD | WORK DATE: 1/27/2022

10000 · Cannon Group SpA

New Document Request Approval Navigate Customer Actions **Navigate** Report Fewer options

Customer History Prices and Discounts Sales Documents Balance Service

Dimensions 10000 ... Total Sales 26,399.19

Bank Accounts Cannon Group SpA Costs (LCV) 18,229.30

Direct Debit Mandates 259,919.31

Ship-to Addresses 0.00

Contact 0.00

Cross References 0.00

Comments

Approvals

Attachments

Document Layouts

+ Add new PA Code

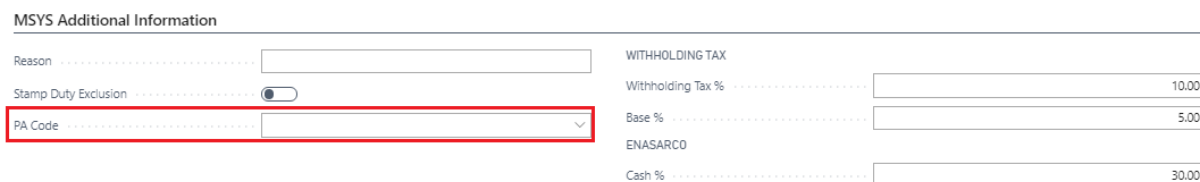
Resident

Place of Birth

Fiscal Code

PA Code A4707H7

On the sales document, if not expressly indicated, the default one will be used:



MSYS Additional Information

Reason

Stamp Duty Exclusion

PA Code

WITHHOLDING TAX

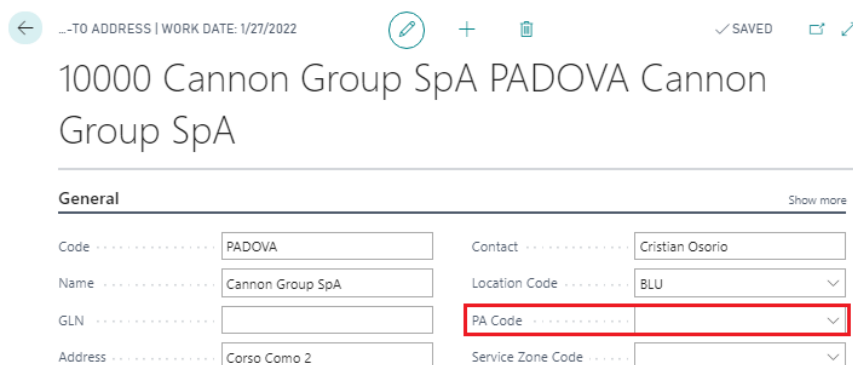
Withholding Tax % 10.00

Base % 5.00

ENASARCO

Cash % 30.00

Furthermore, it is possible to assign a different PA code to each shipping address:



TO ADDRESS | WORK DATE: 1/27/2022

10000 Cannon Group SpA PADOVA Cannon Group SpA

General Show more

Code PADOVA Contact Cristian Osorio

Name Cannon Group SpA Location Code BLU

GLN

PA Code

Address Corso Como 2 Service Zone Code

In the sales document, when the shipping address is changed, the PA code on the document is updated.



Combine shipment

Setup SDI

If active, it adds the PA code as a new invoice creation criterion.

Combine Shipments

New Invoice for PA Code ☒

Electronic document formats

Enter the value **70469526** in the field **Codeunit ID**:

ELECTRONIC DOCUMENT FORMATS | WORK DATE: 1/27/2022

GENERAL

Code Usage

Manage

Code ↑	Description	Usage ↑	Codeunit ID	Codeunit Caption
FATTURAPA	FatturaPA (Fattura elettronica)	Sales Invoice	70469526	MSYS SDI Export XML Document
FATTURAPA	FatturaPA (Fattura elettronica)	Sales Credit Me...	70469526	MSYS SDI Export XML Document
FATTURAPA	FatturaPA (Fattura elettronica)	Sales Validation	12180	FatturaPA Sales Validation
FATTURAPA	FatturaPA (Fattura elettronica)	Service Invoice	70469526	MSYS SDI Export XML Document
FATTURAPA	FatturaPA (Fattura elettronica)	Service Credit ...	70469526	MSYS SDI Export XML Document
FATTURAPA	FatturaPA (Fattura elettronica)	Service Validation	12181	FatturaPA Service Validation

- **Automatically:** upon release of the document (when a document is registered, it is first released)

SALES INVOICE | WORK DATE: 1/27/2022



1021 · Cannon Group SpA

Process Posting Prepare Invoice **Release** Request Approval Navigate Actions Navigate Fewer options

 Release  Reopen

The result of the two operations is as follows:

- Entering the charge line:

Type	No.	Service Tariff No.	Description	Location Code	Quantity	Unit of Measure Code	Unit Price Excl. VAT	Incl... in VAT Tran... Rep.	VAT Prod. Posting Group
G/L Account	5780		Stamp duty paid virtually.	BLU	1		2.00	<input type="checkbox"/>	NO IVA
→ Item	1000		Bicicletta	BLU	1	PZ	4,000.00	<input type="checkbox"/>	NO IVA
								<input type="checkbox"/>	
								<input type="checkbox"/>	

- Activation of standard fields:

Invoice Details

Show less

Currency Code	<input type="text"/>	Department Code	VENDITE
Shipment Date	1/27/2022	Project Code	<input type="text"/>
3rd Party Loader Type	<input type="text"/>	Direct Debit Mandate ID	<input type="text"/>
3rd Party Loader No.	<input type="text"/>	Fattura Project Code	<input type="text"/>
VAT Bus. Posting Group	NAZIONALE	Fattura Tender Code	<input type="text"/>
Payment Terms Code	1M(8G)	Fattura Stamp	<input checked="" type="checkbox"/>
Payment Method Code	<input type="text"/>	Fattura Stamp Amount	2.00
Bank Account	ANT	Customer Purchase Order No.	<input type="text"/>
Cumulative Bank Receipts	<input type="checkbox"/>	Location Code	BLU

In case of stamp duty not charged to the customer, only the standard fields are activated.

This field has been inserted in the header of the document in order to inhibit any automatic stamp management:

MSYS Additional Information

Reason	<input type="text"/>	WITHHOLDING TAX	
Stamp Duty Exclusion	<input checked="" type="checkbox"/>	Withholding Tax %	10.00
PA Code	<input type="text"/>	Base %	5.00
		ENASARCO	
		Cash %	30.00

Split payment

When the document is released, the system inserts the Full VAT line relating to the split payment:

Type	Description	Location Code	Quantity	Unit of Measure Code	Unit Price Excl. VAT	VAT Tran... Rep.	VAT Prod. Posting Group	Line Disc... %	Line Amount Excl. VAT
→ Item	Bicicletta	BLU	1	PZ	4,000.00	<input type="checkbox"/>	IVA22		4,000.00
G/L Account	IVA vendite 22 %		-1		880.00	<input type="checkbox"/>	IVA22SP		-880.00
						<input type="checkbox"/>			
						<input type="checkbox"/>			
						<input type="checkbox"/>			

Subtotal Excl. VAT (EUR)	3,120.00	Total Excl. VAT (EUR)	4,000.00
Inv. Discount Amount Excl. VAT ...	0.00	Total VAT (EUR)	0.00
Invoice Discount %	0	Total Incl. VAT (EUR)	4,000.00

Inserting rule on the document

When the document is released, the system inserts the rules set to setup.

Header rules:

MSYS Electronic Invoicing

Document Header Tag▼

	Group No.	Tag Group	Tag Name	Tag Value
→	0	DatiOrdineAcquisto	IdDocumento	ACQ-20-00001
	0	DatiGeneraliDocumento	Causale	Causale Test

Line rules:

Lines | **Manage** | Line | Fewer options

Select items... **+ Insert line details** New Line Delete Line

Type	No.	Service Tariff No.	Description	Location Code	Quantity	Measure Code	Unit Price Excl. VAT	Tran... Rep.	VAT Prod. Posting Group
→ Item	1000		Bicicletta	BLU	1	PZ	4,000.00	<input type="checkbox"/>	IVA20

INSERT LINES DETAILS | WORK DATE: 1/27/2022

✓ SAVED



Search + New Edit List Delete Open in Excel



	Group No.	Tag Group	Tag Name	Tag Value
→	0	CodiceArticolo	CodiceTipo	EAN
	0	CodiceArticolo	CodiceValore	56-DT-98
	0	AltriDatiGestionali	TipoDato	Other data
	0	AltriDatiGestionali	RiferimentoTesto	Doc no. 1032 of 01/27/22

In the same way, on the registered document it is possible to check which additional tags will be exported to the xml file.