
European Commission - DIGIT

Toolbox Database model

Version <0.1>

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Toolbox	Version: <0.1>
Database model	Date: <16/12/2011>
<document identifier>	

Revision History

Date	Version	Description	Author
16/12/2011	0.1	First draft	SBU

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Database model

1. Introduction

The database model Document provides an overview of the database model put in place for the Toolbox project. More specifically, the Toolbox is an application designed to allow read of EC invoices via a web interface: the toolbox application is a "global name", toolbox is currently composed of e-invoicing,

1.1 Purpose

This document provides a comprehensive database model overview,

1.2 Scope

This document describes the database model of the Toolbox application onlyReferences

open e-PRIOR SAD






2. Data View








The EPCS database stores the primary data of the orders or invoices stored in e-PRIOR.

EPCS.EP_CACHE	
SUPPLIER_ID	⊗
SUPPLIER_NAME	⊗
CUSTOMER_ID	⊗
ID	⊗
DOC_TYPE	⊗
ISSUE_DATE	⊗
STATUS	⊗
RESPONSE	
PARENT_ID	
PARENT_TYPE	
RETRIEVED	⊗
FOLDER	⊗
CREATE_DATE	
UPDATE_DATE	

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The application store also invoices because the user can store draft invoices with attachments

EPCS.EP_INVOICE		
	ID	
	NAME	
	SUPPLIER_GLN	
	CUSTOMER_ID	
	CONTENT	
	STATUS	
	END_DATE	
	CREATION_DATE	
	CREATED_BY	
	UPDATE_DATE	
	UPDATED_BY	
	POSTFIX	

EPCS.EP_DOC_ATTACHMENTS		
	ID	
	DOC_ID	
	ATTACHMENT_NAME	
	FILE_NAME	
	SENT	
	CREATION_DATE	
	UPDATE_DATE	
	BINARY	
	END_DATE	
	EDITABLE	
	EXTENSION_TYPE	
	FILE_TYPE	

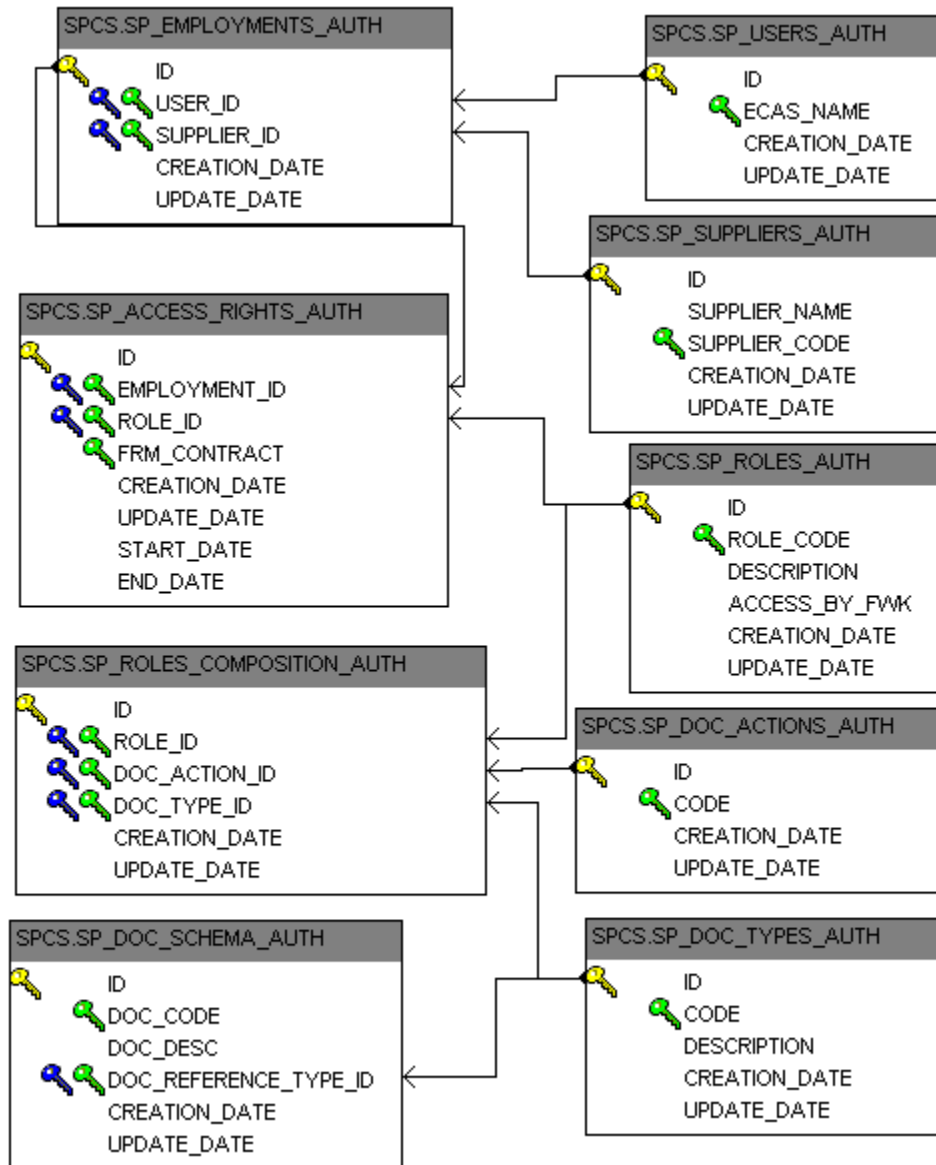
The toolbox allow also to store orders

EPCS.EP_ORDER		
	ID	
	ACCEPTED	
	CREATE_DATE	
	UPDATE_DATE	

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In order to use the supplier portal Front Office application, the user must be identified and authorized by the system. To do so, the supplier portal stores the user information in its database.

The SPCS view



To have access to the application a user should be registered in those tables:

- SP_USERS_AUTH contains user's information: login, firstname, password...
- SP_SUPPLIERS_AUTH contains suppliers informations
- SP_EMPLOYMENTS_AUTH contains the link between users and suppliers
- SP_ROLES_AUTH contains the roles

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-SP_DOC_ACTIONS_AUTH contains the actions ie: create, read, delete ...


SP_DOC_TYPES_AUTH : the type of the documents

-SP_DOC_SCHEMA_AUTH: the sub type of documents

-SP_ROLES_COMPOSITION_AUTH: the composition of a role

-SP_ACCESS_RIGHTS_AUTH: user's access rights

You have also some others tables that are used in the application to complete invoice.

SPCS.TB_COUNTRY	
 CODE	⊘
VALUE	⊘

SPCS.TB_UNIT_MEASURE	
CODE	⊘
VALUE	⊘

SPCS.TB_CURRENCY	
CODE	⊘
VALUE	⊘

SPCS.TB_TAX_CATEGORY	
CODE	⊘
VALUE	⊘










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Here you have 2 tables that are used for the interchange agreement.

Interchange agreement is the security configuration giving access to open eprior write services.

It is a generic couple composed by sender and receiver.

Those tables store supplier agreement, the customer agreement and the specific profile like e-invoicing.

SPCS.TB_EPRIOR_ICA		
	ID	
	ICA_AGR_ID	
	ICA_IDB_ID	
	ICA_PRF_ID	
	PRF_ID	
	PRF_NAME	
	SUP_ID	
	SUP_NAME	
	SUP_EAN_CD	
	SUP_LEF_ID	
	USR_ID	
	USR_NAME	
	USR_EMAILADDRESS	
	IDP_ID	
	IDP_NAME	
	IDP_EAN_CD	
	IDP_ORG_CD	
	BCK_ID	
	BCK_NM	
	BCK_USER_NAME	

SPCS.TB_ERROR_MSG		
	EM_ID	
	EM_TYPE	
	EM_MESSAGE	
	EM_CREATION_DATE	

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Those tables are presents in order to help user when he fills in an invoice.

You can find here for example suppliers informations like address, bank account ect...

