pears.IQacDocument

Generated schema reference. Regenerate this page from the SQL unload; keep hand-maintained business notes in the narrative namespace.

Description

Invoices and other financial documents. Links to company/placement or timesheet (xref)

Columns

Column	Type	Null	Default	Comment
DocumentID	char(8)	NOT NULL		
DocumentTemplateID	char(12)	NULL		
OurRef	char(50)	NULL		
LedgerID	char(12)	NULL		
AccountCode	char(12)	NULL		
XRefID	char(20)	NULL		Optional link to other tables in the database
XRef	char(1)	NULL		Type of record linked by XRefID
PrintBatch	integer	NULL	0	
FullyAllocated	date	NULL		The date when the outstanding balance reduced to zero
LastLineNumber	smallint	NULL		
CurrencyCode	char(3)	NULL		
ExchangeRate	double	NULL		
StoredAsForeignCurrency	tinyint	NULL		
AccountingDate	date	NULL		
Description	long varchar	NULL		
DocumentDate	date	NULL		
DueDate	date	NULL		
ExpectedDate	date	NULL		
TheirRef	char(50)	NULL		
AttentionOf	char(100)	NULL		
PaymentMethod	char(3)	NULL		
Amount	numeric(12,2)	NULL		Headline amount of the document e.g. gross invoice value
VATAmount	numeric(12,2)	NULL		VAT total of the document (if invoice)
DocumentClass	char(20)	NOT NULL		Invoice,Payment,Allocation,JournalEntry,LedgerJournal
DocumentType	char(20)	NULL		Descriptive document type e.g. Credit Note

Column	Type	Null	Default	Comment
InvoiceAddress	long varchar	NULL		
EmailBatch	integer	NULL	0	
InvoiceEmail	char(250)	NULL		
WhoCreated	char(20)	NULL		
WhenCreated	timestamp	NULL		
WhenSent	timestamp	NULL		
HowSent	char(1)	NULL		P = print, E = Email, O = OB10
XRefID2	char(20)	NULL		Second Optional link to other tables in the database
XRef2	char(1)	NULL		Type of record linked by XRefID2 C=invoicing company
WhoAuthorised	char(20)	NULL		
WhenAuthorised	timestamp	NULL		
Adhoc	tinyint	NULL		
TransferBatch	integer	NULL		
Internal	tinyint	NULL	0	If 1 exclude from web publishing
InvoicePrefix	char(10)	NULL		
LinkedDocumentID	char(8)	NULL		only populated for manual

Primary Key

- DocumentID

Foreign Keys

Constraint	Columns	References	Delete/update action
IQacDocumentTemplate	DocumentTemplateID	pears.IQacDocumentTemplate (DocumentTemplateID)	
IQacCurrency	CurrencyCode	pears.IQacCurrency (CurrencyCode)	
Account	LedgerID, AccountCode	pears.IQacAccount (LedgerID, AccountCode)	

Referenced By

Table	Constraint	Columns	Referenced columns
pears.EmailToSendAttachment	IQacDocument	IQACDocumentID	DocumentID
pears.IQacAllocation	IQacDocument	AllocationDocumentID	DocumentID
pears.IQacJournal	Document	DocumentID	DocumentID

Indexes

Name	Type	Columns	Detail
XRefID	Index	XRefID	

Name	Type	Columns	Detail
XRefID2	Index	XRefID2	
OurRef	Index	OurRef, LedgerID	
AccountCode	Index	AccountCode	
DocumentDate	Index	DocumentDate	

Triggers

Name	Timing	Event
IQacDoc_InvAddr	before	insert order 1
IQacDoc_InvCreated	before	insert order 3
IQacDoc_XREF2	before	insert order 2
IQacDoc_Authorised	before	update of “printbatch” order 1

Original SQL

```
-- IQX database structure split by table
-- Source: IQXDatabaseStructure - with comments.sql
-- Table: "pears"."IQacDocument"
-- Table comment: Invoices and other financial documents. Links to
company/placement or timesheet (xref)
-- Statement count: 29

CREATE TABLE "pears"."IQacDocument" (
    "DocumentID"                    CHAR(8) NOT NULL
   ,"DocumentTemplateID"            CHAR(12) NULL
   ,"OurRef"                        CHAR(50) NULL
   ,"LedgerID"                      CHAR(12) NULL
   ,"AccountCode"                   CHAR(12) NULL
   ,"XRefID"                        CHAR(20) NULL
   ,"XRef"                          CHAR(1) NULL
   ,"PrintBatch"                    INTEGER NULL DEFAULT 0
   ,"FullyAllocated"                DATE NULL
   ,"LastLineNumber"                SMALLINT NULL
   ,"CurrencyCode"                  CHAR(3) NULL
   ,"ExchangeRate"                  DOUBLE NULL
   ,"StoredAsForeignCurrency"       tinyint NULL
   ,"AccountingDate"                DATE NULL
   ,"Description"                   long VARCHAR NULL
   ,"DocumentDate"                  DATE NULL
   ,"DueDate"                       DATE NULL
   ,"ExpectedDate"                  DATE NULL
   ,"TheirRef"                      CHAR(50) NULL
   ,"AttentionOf"                   CHAR(100) NULL
   ,"PaymentMethod"                 CHAR(3) NULL
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    ,"Amount"                          NUMERIC(12,2) NULL
    ,"VATAmount"                       NUMERIC(12,2) NULL
    ,"DocumentClass"                   CHAR(20) NOT NULL
    ,"DocumentType"                    CHAR(20) NULL
    ,"InvoiceAddress"                  long VARCHAR NULL
    ,"EmailBatch"                      INTEGER NULL DEFAULT 0
    ,"InvoiceEmail"                    CHAR(250) NULL
    ,"WhoCreated"                      CHAR(20) NULL
    ,"WhenCreated"                     TIMESTAMP NULL
    ,"WhenSent"                        TIMESTAMP NULL
    ,"HowSent"                         CHAR(1) NULL
    ,"XRefID2"                         CHAR(20) NULL
    ,"XRef2"                           CHAR(1) NULL
    ,"WhoAuthorised"                   CHAR(20) NULL
    ,"WhenAuthorised"                  TIMESTAMP NULL
    ,"Adhoc"                           tinyint NULL
    ,"TransferBatch"                   INTEGER NULL
    ,"Internal"                        tinyint NULL DEFAULT 0
    ,"InvoicePrefix"                   CHAR(10) NULL
    ,"LinkedDocumentID"                CHAR(8) NULL
    ,PRIMARY KEY ("DocumentID" ASC)
)
GO


COMMENT ON COLUMN "pears"."IQacDocument"."XRefID" IS
    'Optional link to other tables in the database'
GO


COMMENT ON COLUMN "pears"."IQacDocument"."XRef" IS
    'Type of record linked by XRefID'
GO


COMMENT ON COLUMN "pears"."IQacDocument"."FullyAllocated" IS
    'The date when the outstanding balance reduced to zero'
GO


COMMENT ON COLUMN "pears"."IQacDocument"."Amount" IS
    'Headline amount of the document e.g. gross invoice value'
GO


COMMENT ON COLUMN "pears"."IQacDocument"."VATAmount" IS
    'VAT total of the document (if invoice)'
GO
```

```
COMMENT ON COLUMN "pears"."IQacDocument"."DocumentClass" IS
    'Invoice,Payment,Allocation,JournalEntry,LedgerJournal'
GO


COMMENT ON COLUMN "pears"."IQacDocument"."DocumentType" IS
    'Descriptive document type e.g. Credit Note'
GO


COMMENT ON COLUMN "pears"."IQacDocument"."HowSent" IS
    'P = print, E = Email, O = OB10'
GO


COMMENT ON COLUMN "pears"."IQacDocument"."XRefID2" IS
    'Second Optional link to other tables in the database'
GO


COMMENT ON COLUMN "pears"."IQacDocument"."XRef2" IS
    'Type of record linked by XRefID2 C=invoicing company'
GO


COMMENT ON COLUMN "pears"."IQacDocument"."Internal" IS
    'If 1 exclude from web publishing'
GO


COMMENT ON COLUMN "pears"."IQacDocument"."LinkedDocumentID" IS
    'only populated for manual'
GO


COMMENT ON TABLE "pears"."IQacDocument" IS
    'Invoices and other financial documents. Links to company/placement or
timesheet (xref)'
GO


ALTER TABLE "pears"."IQacDocument"
    ADD FOREIGN KEY "IQacDocumentTemplate" ("DocumentTemplateID" ASC)
    REFERENCES "pears"."IQacDocumentTemplate" ("DocumentTemplateID")
GO
```

```
ALTER TABLE "pears"."IQacDocument"
    ADD FOREIGN KEY "IQacCurrency" ("CurrencyCode" ASC)
    REFERENCES "pears"."IQacCurrency" ("CurrencyCode")
GO


ALTER TABLE "pears"."IQacDocument"
    ADD FOREIGN KEY "Account" ("LedgerID" ASC,"AccountCode" ASC)
    REFERENCES "pears"."IQacAccount" ("LedgerID","AccountCode")
GO


CREATE INDEX "XRefID" ON "pears"."IQacDocument"
    ( "XRefID" )
GO


CREATE INDEX "XRefID2" ON "pears"."IQacDocument"
    ( "XRefID2" )
GO


CREATE INDEX "OurRef" ON "pears"."IQacDocument"
    ( "OurRef","LedgerID" )
GO


CREATE INDEX "AccountCode" ON "pears"."IQacDocument"
    ( "AccountCode" )
GO


CREATE INDEX "DocumentDate" ON "pears"."IQacDocument"
    ( "DocumentDate" )
GO


CREATE TRIGGER "IQacDoc_InvAddr" BEFORE INSERT ORDER 1 ON
"pears"."IQacDocument"
REFERENCING NEW AS "new_doc"
FOR each ROW WHEN("new_doc"."DocumentClass" = 'Invoice')
BEGIN
  DECLARE "addr" long VARCHAR;
  DECLARE "ema" CHAR(250);
  SELECT
"string"("company"."name","char"(13),"char"(10),"formatcompanyaddress"("comp
any"."companyid",0,'B')),
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    "companyaccount"."invoiceemail" INTO "addr","ema"
    FROM "company" KEY JOIN "companyaccount" WHERE "company"."companyid" =
"getinvoicecompanyid"("new_doc"."AccountCode");
  IF "new_doc"."InvoiceAddress" IS NULL THEN SET "new_doc"."InvoiceAddress"
= "addr" END IF;
  IF "new_doc"."InvoiceEmail" IS NULL THEN SET "new_doc"."InvoiceEmail" =
"ema"
  END IF
END
GO


COMMENT TO PRESERVE FORMAT ON TRIGGER
"pears"."IQacDocument"."IQacDoc_InvAddr" IS
{CREATE TRIGGER IQacDoc_InvAddr
BEFORE INSERT ORDER 1 ON
"pears"."IQacDocument"
REFERENCING NEW AS "new_doc"
FOR each ROW WHEN("new_doc"."DocumentClass" = 'Invoice')
BEGIN
  DECLARE "addr" long VARCHAR;
  DECLARE "ema" CHAR(250);
  SELECT
"string"("company"."name","char"(13),"char"(10),"formatcompanyaddress"("comp
any"."companyid",0,'B')),
    "companyaccount"."invoiceemail" INTO "addr","ema"
    FROM "company" KEY JOIN "companyaccount" WHERE "company"."companyid" =
"getinvoicecompanyid"("new_doc"."AccountCode");
  IF "new_doc"."InvoiceAddress" IS NULL THEN SET "new_doc"."InvoiceAddress"
= "addr" END IF;
  IF "new_doc"."InvoiceEmail" IS NULL THEN SET "new_doc"."InvoiceEmail" =
"ema" END IF
END
}
GO


CREATE TRIGGER "IQacDoc_InvCreated" BEFORE INSERT ORDER 3 ON
"pears"."IQacDocument"
REFERENCING NEW AS "new_doc"
FOR each ROW WHEN("new_doc"."WhenCreated" IS NULL)
BEGIN
  SET "new_doc"."WhenCreated" = CURRENT TIMESTAMP;
  IF "new_doc"."WhoCreated" IS NULL THEN SET "new_doc"."WhoCreated" =
"userstaffid"
  END IF
exception
  WHEN others THEN SET "new_doc"."WhoCreated" = NULL
```

```
END
GO


COMMENT TO PRESERVE FORMAT ON TRIGGER
"pears"."IQacDocument"."IQacDoc_InvCreated" IS
{CREATE TRIGGER IQacDoc_InvCreated
 BEFORE INSERT ORDER 3 ON
IQacDocument
REFERENCING NEW AS new_doc
FOR each ROW WHEN(new_doc.WhenCreated IS NULL)
BEGIN
  SET new_doc.WhenCreated = CURRENT TIMESTAMP;
  IF new_doc.WhoCreated IS NULL THEN SET new_doc.WhoCreated=userstaffid
  END IF
exception
  WHEN others THEN
    SET new_doc.WhoCreated=NULL
END
}
GO


CREATE TRIGGER "IQacDoc_XREF2" BEFORE INSERT ORDER 2 ON
"pears"."IQacDocument"
REFERENCING NEW AS "new_doc"
FOR each ROW WHEN("new_doc"."XRefID2" IS NULL)
BEGIN
  DECLARE "coid" VARCHAR(20);
  SELECT "getinvoicecompanyid"("new_doc"."AccountCode") INTO "coid";
  SET "new_doc"."XRef2" = 'C';
  SET "new_doc"."XRefID2" = "coid"
END
GO


CREATE TRIGGER "IQacDoc_Authorised" BEFORE UPDATE OF "printbatch"
ORDER 1 ON
"pears"."IQacDocument"
REFERENCING NEW AS "new_doc"
FOR each ROW WHEN("new_doc"."printbatch" = 1 AND "new_doc"."DocumentClass" =
'Invoice')
BEGIN
  SET "new_doc"."WhenAuthorised" = CURRENT TIMESTAMP;
  IF "varexists"('userstaffid') = 1 THEN
    SET "new_doc"."WhoAuthorised" = "userstaffid"
  END IF
END
```

```
GO


COMMENT TO PRESERVE FORMAT ON TRIGGER
"pears"."IQacDocument"."IQacDoc_Authorised" IS
{CREATE TRIGGER IQacDoc_Authorised
 BEFORE UPDATE OF printbatch ORDER 1 ON
IQacDocument
REFERENCING NEW AS new_doc
FOR each ROW WHEN(new_doc.printbatch = 1 AND new_doc.DocumentClass =
'Invoice')
BEGIN
  SET new_doc.WhenAuthorised = CURRENT TIMESTAMP;
  IF varexists('userstaffid') = 1 THEN
    SET new_doc.WhoAuthorised=userstaffid
  END IF
END
}
GO
```