Release 390

Database Documentation | System

Exact® software

release 390

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Preface

To provide a better service for making reports or integrated business solutions,
Exact has started with describing the database model of Exact Globe and e-Synergy. Since the Exact Globe product line and the e-Synergy product line are based on the same database model, this manual is applicable to both product lines.
The documentation of the database model is intended for a user on consultant level who knows how Exact Globe or e-Synergy works and has some knowledge about SQL database structures, but lacks sufficient knowledge and information about the ExactGlobe or e-Synergy database structure when making reports or integrated business solutions.

The following information will be provided for each table discussed:

1. **A brief description of the purpose of the table**
   Most tables have a single purpose. Some tables have multiple purposes.

2. **The fields of the table**
   What is stored in the field?
   What this field is used for

3. **The functionalities of the table**
   Some tables have multiple purposes. Per table, the different functionalities (if available) are described.

4. **The technical specifications of the fields in the table**
   This information can be useful in making reports or business solutions.

5. **Standard SQL queries**
   With some standard SQL queries, it will be easy to retrieve the most commonly used data. The standard SQL queries supplied can also be used as the basis for extended or specific SQL queries used in reports and business solutions.

The database tables described in this manual are based on version 380. It is Exact Software's intention to keep the documentation up to date with the latest developments.

Contents

Chapter 1 | ItemProcessTypes - Process types

1. ItemProcessTypes - Process types

1.1 General Descriptions

The [ItemProcessTypes] table stores the document category setting for all the process types at system general settings.
Note! The [ItemProcessTypes] table is only used in e-Synergy.

1.2 ItemProcessTypes field details

Description - Description
The [ItemProcessTypes.Description] field stores the description of the process type.

Division - Division
The [ItemProcessTypes.Division] field is not used yet. It is added for future functionality.

DocCategory - Category
The [ItemProcessTypes.DocCategory] field stores the category of the document for the process type.

DocGroup - Group
The [ItemProcessTypes.DocGroup] field stores the category group of the document for the process type.
The [ItemProcessTypes.DocGroup] field refers to the [BacoDiscussionGroups.ID] field.

DocSecurity - Security level
The [ItemProcessTypes.DocSecurity] field stores the security level of the document for the process type.

DocSubCategory - Subcategory
The [ItemProcessTypes.DocSubCategory] field stores the subcategory of the document for the process type.

TaskPrio - Priority
The [ItemProcessTypes.TaskPrio] field stores the priority of the process type. The [ItemProcessTypes.TaskPrio] field refers to the [RequestPriorities.ID] field.

Type - Type
The [ItemProcessTypes.Type] field stores the type of the specific process.

Chapter 2 | Search templates

2. Search templates

The [SearchTemplates] and [SearchTemplateFields] tables are not used.

Chapter 3 | Section 3 KeySets - KeySets

3. KeySets - KeySets

The [KeySets] table is not used.

Chapter 4 | XML Server

4. XML Server

4.1 XMLTopicDefinitions - XMLTopicDefinitions

The [XMLTopicDefinitions] table is not used.

4.2 XMLEvents - XML Events

4.2.1 General Description

The [XMLEvents] table stores the results of the XML events, which are the scheduled XML import or export that has been performed in batches.

4.2.2 XMLEvents field details

BatchID - Batch
The [XMLEvents.BatchID] field stores the batch ID of the XML import/export.

CompanyCode - Company
The [XMLEvents.CompanyCode] field stores the division code linked to the XML import/export. The [XMLEvents.CompanyCode] field refers to the [Bedryf.Bedrnr] field.

DataKey - Key
The [XMLEvents.DataKey] field stores the key of the record.

DataKeyAlt - Alternative key
The [XMLEvents.DataKeyAlt] field stores the alternative key of the record.
Note! This field is only applicable for e-Synergy.NET.

Division - Division
The [XMLEvents.Division] field stores the division code of the current logon. The [XMLEvents.Division] field stores the numeric value of the [Bedryf.Bedrnr] field. This field is not used yet. It is added for future functionality.

EventDate - Date
The [XMLEvents.EventDate] field stores the date for which the XML import/export has been performed.

EventDescription - Description
The [XMLEvents.EventDescription] field stores the message raised by the XML import/export.

EventType - Type
The [XMLEvents.EventType] field stores the type of the XML import/export. The possible values are:

Value	Description
0	Error
1	Warning
2	Message
4	Confirmation

HumresID - Resource
The [XMLEvents.HumresID] field stores the ID of the resource for which has performed the XML import/export. The [XMLEvents.HumresID] field refers to the [Humres.Res_ID] field.

ID - ID
The [XMLEvents.ID] field stores the system generated database record identification number. This field is not functionally used.

ImportExport - Source
The [XMLEvents.ImportExport] field stores the source of the XML event. The possible values are:

Value	Description
E	Export
I	Import

Node - Node
The [XMLEvents.Node] field stores the XML node involved in the XML import/export.

Topic - Topic
The [XMLEvents.Topic] field stores the XML topic involved in the XML import/export.

XMLNode - XML node
The [XMLEvents.XMLNode] field stores the whole node with containing data where the XML event occurred in.
Note! This field is only applicable for e-Synergy.NET.

Chapter 5 | Relation tables

5. Relation tables

The [GUIDRelations], [StringRelations] and [IntegerRelations] tables are not used.

Chapter 6 | Field properties

6. Field properties

This section will give a technical overview of the database fields and the way they are used. If the field described has a reference to another table or field, the referenced field is also mentioned.

6.1 ItemProcessTypes

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
Description	Description		varchar	60	Yes	4243	
Division	Division		smallint		Yes	64	
DocCategory	Category		varchar	30	Yes	1205	
DocGroup	Group	BacoDiscussionGroups.ID	int		Yes	2560	
DocSecurity	Security level		int		No	209	(10)
DocSubCategory	Subcategory		varchar	30	Yes	83	
TaskPrio	Priority	RequestPriorities.ID	int		No	3217	(3)
Type	Type		int		No	3801	

6.2 XML Server

6.2.1 XMLEvents

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
BatchID	Batch		int		No	4007	
CompanyCode	Company	bedryf.bedrnr	char	3	No	9608	
DataKey	Key		varchar	40	Yes	5330	
DataKeyAlt	Alternative key		varchar	40	Yes		
Division	Division		smallint		Yes		
EventDate	Date		datetime		No	8516	getdate()
EventDescription	Description		varchar	1000	Yes	4243	
EventType	Type		int		No	3801	

XMLEvents

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
HumresID	Resource	humres.res_id	int		No	12	
ID	ID		uniqueidentifier		No	31212	newid()
ImportExport	Source		char	1	Yes		
Node	Node		varchar	30	Yes	0	
Topic	Topic		varchar	30	Yes	7062	
XMLNode	XML node		text		Yes		

Chapter 7 | Sample SQL queries

7. Sample SQL queries

This section will list some SQL queries for retrieving data from the [Cicmpy], [DivisionDebtors], [DivisionCreditors], [Cicntp] and [Address tables]. These queries can also be used as the basis for more complex reports or business solutions. Some basic knowledge of the Transact-SQL syntax is required to work with these examples.

7.1 ItemProcessTypes

1. **Query to retrieve all the process types.**

```
SELECT ItemProcessTypes.Type, ItemProcessTypes.Description, BacoDiscussionGroups.Description,
ItemProcessTypes.DocSecurity, ItemProcessTypes.TaskPrio, RequestPriorities.Description
FROM ItemProcessTypes
LEFT OUTER JOIN BacoDiscussionGroups ON ItemProcessTypes.DocGroup = BacoDiscussionGroups.ID
INNER JOIN RequestPriorities ON ItemProcessTypes.TaskPrio = RequestPriorities.ID
ORDER BY ItemProcessTypes.Type
```

7.2 XML Server

1. **Query to retrieve details of a particular batch ID '52'.**

```
SELECT XMLEvents.ID, (CASE XMLEvents.EventType WHEN 0 THEN 'Error' WHEN 1 THEN 'Warning' WHEN 2 THEN 'Message'
END) AS Type, XMLEvents.EventDate, XMLEvents.Node, XMLEvents.DataKey, XMLEvents.EventDescription,
XMLTopicsDefinition.TermID, (CASE XMLEvents.EventType WHEN 0 THEN 4467 WHEN 1 THEN 3749 WHEN 2 THEN 1778 END)
AS MessageTerm
FROM XMLEvents
LEFT OUTER JOIN XMLTopicsDefinition ON XMLTopicsDefinition.Topic = XMLEvents.Node
WHERE XMLEvents.BatchID = '52'
ORDER BY XMLEvents.EventDate
```

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