

Release 370

Database Documentation | Documents



Exact[®]
software



release 370

Database Documentation | Documents

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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 2003 and e-Synergy. Since the Exact Globe 2003 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 2003 or e-Synergy works and has some knowledge about SQL database structures, but lacks sufficient knowledge and information about the Exact Globe 2003/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 370. It is Exact Software's intention to keep the documentation up to date with the latest developments.

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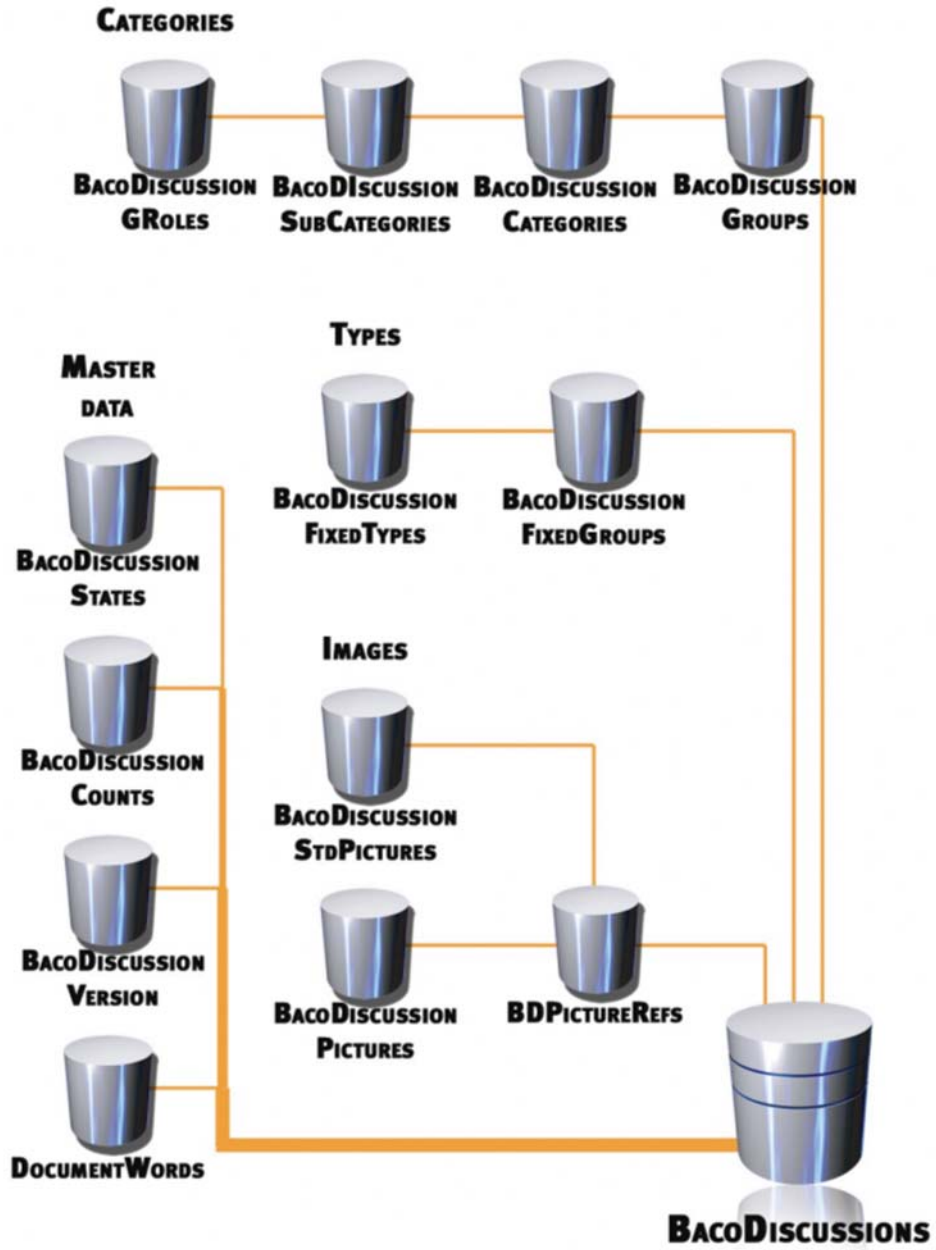
Chapter 1 | Introduction

1. Introduction

Documents are a source of information, both in e-Synergy and in Exact Globe 2003. The use of documents in e-Synergy is clearly different from Globe; sharing knowledge is the main goal. For this purpose news pages and headlines can be used. In Exact Globe 2003, the documents are merely used to support different processes, such as sales order confirmation for sales order or a delivery note for a delivery. The document data, as well as document attachments, are stored in the [BacoDiscussions] table. If pictures are used in a document, then these are stored in the [BacoDiscussionPictures] table.

Documents either follow the definition of the document type or the document main category; these are defined, respectively in the [BacoDiscussionFixedTypes] table or in the [BacoDiscussionGroups] table. On subcategory level, in the [BacoDiscussionSubCategories] table, it is possible to define whether a document needs approval or not. The roles per subcategory are stored in the [BacoDiscussionGRoles] table. Actual approval of the document is handled via Workflow. In order to give documents the same look and feel, it is possible to define document layouts, per category or per type. These document layouts are also stored in the [BacoDiscussions] table. The same logic applies to mail merge layouts.

Furthermore it is possible to use document versions (per document type). The active version of a document is always stored in the [BacoDiscussions] table. All versions, including the active version, are stored in the [BacoDiscussionVersions] table.





Chapter 2 | Documents

2. Documents

2.1 *BacoDiscussions* - Documents

2.1.1 General Description

Documents are stored in the [BacoDiscussions] table. The name of this table refers to its original goal: a discussion platform that later on evolved to an entire documents database. In this table all document properties and content is stored. Documents are used in a large number of processes, such as orders and confirmations. Furthermore they are used for storing all kinds of information, such as help files, release notes and announcements. A document either follows the logic of the main category, in the [BacoDiscussionGroups] table, or of the document type, in the [BacoDiscussionFixedTypes] table. Document versions are stored in the [BacoDiscussionVersions] table. The active version is always present in the [BacoDiscussions] table. All versions, including the active version, are stored in the [BacoDiscussionVersions] table.

2.1.2 BacoDiscussions field details

Assortment - Assortment

The [BacoDiscussions.Assortment] field stores the assortment, to which the document applies.

The [BacoDiscussions.Assortment] field refers to the [ItemAssortment.Assortment] field.

Body - Body

The [BacoDiscussions.Body] field stores the html body text of the document.

Category - Category

The [BacoDiscussions.Category] field stores the category of the document. The category is part of the main category, stored in the [BacoDiscussions.GroupID] field. The subcategory, stored in the [BacoDiscussions.Subcategory] field is part of the category. The [BacoDiscussions.Category] field refers to the [BacoDiscussionCategories.Category] field.

CheckedOut - Checked out

The [BacoDiscussions.CheckedOut] field stores the date and time a document is checked out, e.g. for editing. When a document is checked out, other resources with rights to edit the document, cannot edit the document.

CheckedOutBy - Checked out by

The [BacoDiscussions.CheckedOutBy] field stores the resource that has checked out the document for editing.

The [BacoDiscussions.CheckedOutBy] field refers to the [Humres.Res_ID] field.

Class_02_1 - Release (from)

The [BacoDiscussions.Class_02_1] field is the first field that can store the release of the selected assortment.

This field always depends on the [BacoDiscussions.Assortment] field. The [BacoDiscussions.Class_02_1] field refers to the [ItemReleases.ProductRelease] field.

Class_02_2 - Release (to)

The [BacoDiscussions.Class_02_2] field is the second field that can store the release of the selected assortment. This field always depends on the [BacoDiscussions.Assortment] field. The [BacoDiscussions.Class_02_2] field refers to the [ItemReleases.ProductRelease] field.

Cmpwwn - Account

The [BacoDiscussions.Cmpwwn] field stores the account that is linked to the document. The [BacoDiscussions.CmpWwn] field refers to the [Cicmpy.Cmp_wwn] field.

Cnt_ID - Contact person

The [BacoDiscussions.Cnt_ID] field stores the contact, which belongs to the selected account in the [BacoDiscussions.Cmpwwn] field that is linked to the document. The [BacoDiscussions.Cnt_ID] field refers to the [Cicntp.Cnt_ID] field.

Company - Division

The [BacoDiscussions.Company] field stores the division of the document. The [BacoDiscussions.Company] field refers to the [Bedryf.Bednr] field.

CreatedBy - Creator

The [BacoDiscussions.CreatedBy] field stores the resource who created the document. The [BacoDiscussions.CreatedBy] field refers to the [Humres.Res_ID] field.

CreatedByFullname - Creator full name

The [BacoDiscussions.CreatedByFullname] field stores the full name of the resource that created the document. This name is build up of the following resource data fields:

- first name - the [Humres.First_Name] field
- middle name - the [Humres.Middle_Name] field
- last name - the [Humres.Sur_Name] field
- maiden name - [Humres.Maiden_Name] field

CreatedDate - Created date

The [BacoDiscussions.CreatedDate] field stores the date and time the document has been created.

Division – Division

The [BacoDiscussions.Division] field stores the division code of the user's division. The [BacoDiscussions.Division] field stores the numeric value of the [Bedryf.Bednr] field. This field is not used yet. It is added for future functionality.

Document - Attachment

The [BacoDiscussions.Document] field stores the binary format of the attachment in a document.

EntryKey - Transaction

The [BacoDiscussions.EntryKey] field stores the transaction, that is linked to the document. The [BacoDiscussions.EntryKey] field refers to the [TransactionsPending.EntryGuid] field.

ExpiryDate - Document deletion date

The [BacoDiscussions.ExpiryDate] field stores the date that the document can be deleted.

FileName - File name

The [BacoDiscussions.FileName] field stores the file name of the attachment that is linked to the document.

FPIntroText - Frontpage introduction text

The [BacoDiscussions.FPIntroText] field stores the text that is used as introduction on the news page, when a document is published as frontpage item, see the [BacoDiscussions.NewsType] field description.

GroupID - Main category

The [BacoDiscussions.GroupID] field stores the ID of the main category of the document. The [BacoDiscussions.GroupID] field refers to the [BacoDiscussionGroups.ID] field.

HID - Human readable ID

The [BacoDiscussions.HID] field stores the document ID.

HumResID - Resource

The [BacoDiscussions.HumResID] field stores the resource that is linked to the document. If the security level of the document, see the [BacoDiscussions.JobLevel] field description, is resource specific (100), then this field determines for which resource this applies. The [BacoDiscussions.HumResID] field refers to the [Humres.res_ID] field.

ID - ID

The [BacoDiscussions.ID] field stores the GUID of the document.

IsMailMerge - Is Mail merge document

The [BacoDiscussions.IsMailMerge] field can have value "0" or "1". If this value is "1", then the document is a mail merge template and can be used for mailings (merging data of other entities in the document).

IsTemplate - Template

The [BacoDiscussions.IsTemplate] field can have value "0" or "1". If this value is "1", then the document is a document template and is used as template for all documents in the same main category / category / subcategory.

ItemCode - Item code

The [BacoDiscussions.ItemCode] field stores the item that is linked to the document. If an assortment is selected, see the [BacoDiscussions.Assortment] field, then the item that can be selected, must belong to the selected assortment.

The [BacoDiscussions.ItemCode] field refers to the [Items.ItemCode] field.

ItemNumberID - Item Serial Number ID

The [BacoDiscussions.ItemNumberID] field stores the serial number that is linked to the document. The serial number must belong to the selected item, in the [BacoDiscussions.ItemCode] field. The [BacoDiscussions.ItemNumberID] field refers to the [ItemNumbers.ID] field.

JobLevel - Security level

The [BacoDiscussions.JobLevel] field stores the security level of the document.

LanguageID - Language

The [BacoDiscussions.LanguageID] field stores the language of the document. The [BacoDiscussions.LanguageID] field refers to the [Taal.TaalCode] field.

ModifiedBy - Modified by

The [BacoDiscussions.ModifiedBy] field stores the resource who has last modified the document.

The [BacoDiscussions.ModifiedBy] field refers to the [Humres.res_ID] field.

ModifiedDate - Modified date

The [BacoDiscussions.ModifiedDate] field stores the date and time that the document was last modified.

NewsType - News type (Normal, Frontpage, Headline)

The [BacoDiscussions.NewsType] field stores how the document should be published. This field can have the following values:

- 0 = Normal : the document does not appear on the news page
- 1 = Frontpage : the document appears as frontpage item on the news page
- 2 = Headline : the document appears as headline item on the news page

Note - Remarks and comments

The [BacoDiscussions.Note] field stores the remarks added to a document. Currently this can only be done in Exact Globe 2003, and not in e-Synergy.

OrderNumber - Attached order

The [BacoDiscussions.OrderNumber] field stores the order number of the order, if the document is linked to an order.

OurRef - Our reference

The [BacoDiscussions.OurRef] field stores the 'Our ref.' number of the transaction, if the document is linked to a transaction.

Owner - Owner

The [BacoDiscussions.Owner] field stores the resource, who is owner of the document. The owner is allowed to edit the document, like the creator. The [BacoDiscussions.Owner] field refers to the [Humres.Res_ID] field.

OwnerType - OwnerType

The [BacoDiscussions.OwnerType] field stores the which (group of) resource(s) have edit rights for the document. This field can have the following values:

Value	Description	Explanation
0	Creator / Owner	The owner, specified in the [BacoDiscussions.Owner] field, has edit rights.
1	Division - Document	All resources in the division, specified in the [BacoDiscussions.Company] field, have edit rights.
2	Division - Creator	All resources in the division, specified in the [Humres.Comp] field, of the creator of the document, specified in the [BacoDiscussions.CreatedBy] field, have edit rights.
3	Role	All resources with the role, specified in the [BacoDiscussions.OwnerTypeValue] field, have edit rights.
4	Cost center	All resources in the cost center, specified in the [BacoDiscussions.OwnerTypeValue] field, have edit rights.
5	Project - member	All resources, who are member of the project, specified in the [BacoDiscussions.ProjectNr] field, have edit rights.
6	Cost center group	All resources in the cost center group, specified in the [BacoDiscussions.OwnerTypeValue] field, have edit rights.

OwnerTypeValue - Owner type value

The [BacoDiscussions.OwnerTypeValue] field stores additional information with regards to the selected edit rights in the [BacoDiscussions.OwnerType] field. This field refers to:

- [HRRoleDefs.ID], if the value for [BacoDiscussions.OwnerType] = 3 (Role)
- [Kstpl.KstplCode], if the value for [BacoDiscussions.OwnerType] = 4 (Cost center)
- [CostCenterClasses.CostcenterClassCode], if the value for [BacoDiscussions.OwnerType] = 6 (Cost center group)

ParentID - Parent ID

The [BacoDiscussions.ParentID] field stores the main document, e.g. in case the document is a reply to another document.

The [BacoDiscussions.ParentID] field refers to the [BacoDiscussions.ID] field.

PaymentReference - Payment reference

The [BacoDiscussions.PaymentReference] field stores the payment reference of the document.

The [BacoDiscussions.PaymentReference] field refers to the [Gbkmut.Betaalref] field, in case of an 'Our ref.' or 'Your ref.' value, or to the [BankTransactions.OffsetReference] field, in case of a project, serial number or order number.

ProjectNr - Project number

The [BacoDiscussions.ProjectNr] field stores the project, linked to the document. In combination with the security level (=101), the [BacoDiscussions.JobLevel] field, this can also provide extra security for project members only. In combination with the owner type (=5), the [BacoDiscussions.OwnerType] field, this can provide extra edit rights for project members. The [BacoDiscussions.ProjectNr] field refers to the [PRProject.ProjectNr] field.

ShipmentMethod - Shipment method

The [BacoDiscussions.ShipmentMethod] field stores the delivery method, e.g. in case the document is a sales order confirmation. The [BacoDiscussions.ShipmentMethod] field refers to the [Ordlev.Levwijze] field.

Source - Source

The [BacoDiscussions.Source] field stores the source of the document. This field can contain the following values:

Value	Description
S	Generated
I	Input
O	Output

Status - Status

The [BacoDiscussions.Status] field stores the status of the document. The status can have consequences for the visibility of the document. The [BacoDiscussions.Status] field refers to the [BacoDiscussionStates.State] field. This field can have the following values:

Value	Description
10	Draft
20	Open (Not approved)
25	Rejected
30	Approved
100	Archived

StatusText - Statustext

The [BacoDiscussions.StatusText] field stores the reason, why a document is rejected.

SubCategory - Subcategory

The [BacoDiscussions.SubCategory] field stores the subcategory of the document.

The subcategory belongs to the specified category, see the [BacoDiscussions.Category] field.

The [BacoDiscussions.SubCategory] field refers to the [BacoDiscussionSubCategories.ID] field.

Subject - Subject

The [BacoDiscussions.Subject] field stores the subject of the document.

Timestamp - TimeStamp

The [BacoDiscussions.Timestamp] field stores a system generated timestamp. The timestamp field is regenerated upon every change in the documents. This field is mainly used for replication purposes.

Type - Type

The [BacoDiscussions.Type] field stores the type of the document. The [BacoDiscussions.Type] field refers to the [BacoDiscussionFixedTypes.TypeID] field.

Version - Document version number

The [BacoDiscussions.Version] field stores the version number of the document. The active version is always stored in the [BacoDiscussions] table; all versions (the active and inactive / future) are stored in the [BacoDiscussionsVersions] table. The [BacoDiscussions.Version] field refers to the [BacoDiscussionVersions.Version] field.

ViewDate - View date

The [BacoDiscussions.ViewDate] field stores the date and time, that a reply to the document was last modified.

VoteCount - Vote count

The [BacoDiscussions.VoteCount] field stores how many times a vote has been placed for this document.

VoteSum - Vote sum

The [BacoDiscussions.VoteSum] field stores the total sum of the votes. A vote can have a value 1,2,3,4 or 5. For example, 1 vote with value '3' and 1 vote with value '5' will store the value of '8' in this field.

Warehouse - Warehouse

The [BacoDiscussions.Warehouse] field stores the warehouse that is linked to the document. The [BacoDiscussions.Warehouse] field refers to the [Magaz.MagCode] field.

YourRef - Your reference

The [BacoDiscussions>YourRef] field stores the 'Your ref.' that is linked to the document. The [BacoDiscussions>YourRef] field refers to the [Gbkmut.DocNumber] field.



Chapter 3 | Document Categories

3. Document Categories

Document categories are used to divide documents in recognizable groups.

Categories are structured in 3 layer architecture:

- **Category groups:** This is the highest and most general layer. The document groups are stored in the [BacoDiscussionGroups] database table.
- **Categories:** this is the second layer of the category structure and is a subdivision of the category groups. The categories are stored in the [BacoDiscussionCategories] table.
- **Subcategories.** This is the lowest subdivision of categories; the subcategories are stored in the [BacoDiscussionSubCategories] table.

For the subcategory level it is possible to define the role that is needed to approve a document in this subcategory. These roles are stored in the [BacoDiscussionGRoles] table.

3.1 *BacoDiscussionGroups* - Document Category Group

3.1.1 General Description

The [BacoDiscussionGroups] table stores the category groups. This table not only stores the definitions of the highest category levels, but it is also possible to define what fields can be linked to, and what actions are allowed on the documents that are in this category group.

However this functionality is depending on the fact if a document type is selected for the document. If a document type is selected the similar functionality of the document types is leading.

3.1.2 BacoDiscussionGroups field details

AllowReplies - Allow users to create replies to documents

The [BacoDiscussionGroups.AllowReplies] field indicates if replying to a document in this category group is allowed. The value "1" indicates that replies are allowed. The value "0" indicates replies are not allowed.

Description - Description

The [BacoDiscussionGroups.Description] field stores the description of the category group.

Division - Division

The [BacoDiscussionGroups.Division] field stores the division code of the user's division. The [BacoDiscussionGroups.Division] field stores the numeric value of the [Bedryf.Bednr] field. This field is not used yet. It is added for future functionality.

GroupIcon - Group icon

The [BacoDiscussionGroups.GroupIcon] field stores the image linked to the category group. The image is stored in binary format.

GroupIconFileName - Category image file name

The [BacoDiscussionGroups.GroupIconFileName] field stores the name of the image file that is linked to the category group.

GroupOrder - Order

The [BacoDiscussionGroups.GroupOrder] field stores the order in which the category groups are displayed.

ID - ID

The [BacoDiscussionGroups.ID] field stores the system generated database record identification number. This is the field that is used when a reference to the [BacoDiscussionGroups] table is needed.

Publish - Allow publication level selection

The [BacoDiscussionGroups.Publish] field indicates if the selection of a publication level is allowed in this category group. The value "1" indicates that publication level selection is allowed. The value "0" indicates that publication level selection is not allowed.

RestrictedRights - Show security field

The [BacoDiscussionGroups.RestrictedRights] field indicates if the selection of a security level is allowed in this category group. The value "1" indicates that security level selection is allowed. The value "0" indicates that security level selection is not allowed.

TemplateID - Default template document

The [BacoDiscussionGroups.TemplateID] field stores the ID of the document that is used as a template when a document of this category group is displayed. If for the document category a template is defined [BacoDiscussionCategories.TemplateID] the category level template will be leading. The [BacoDiscussionGroups.TemplateID] field refers to the [BacoDiscussions.ID] field.

UseCmpWwn - Use account

The [BacoDiscussionGroups.UseCmpWwn] field indicates if an account can be linked to a document in this category group. The [BacoDiscussionGroups.UseCmpWwn] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

UseCompany - Use company

The [BacoDiscussionGroups.UseCompany] field indicates if a division can be linked to a document in this category group. The [BacoDiscussionGroups.UseCompany] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

UseCompGroup - Use company group

The [BacoDiscussionGroups.UseCompGroup] field indicates if a division group can be linked to a document in this category group. The [BacoDiscussionGroups.UseCompany] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

UseEntryKey - Use Entry Key

The [BacoDiscussionGroups.UseEntryKey] field indicates if a financial entry can be linked to a document in this category group. The [BacoDiscussionGroups.UseEntryKey] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

UseHumResID - Use human resource ID

The [BacoDiscussionGroups.UseHumResID] field indicates if a resource can be linked to a document in this category group. The [BacoDiscussionGroups.UseHumResID] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

UseItemNumber - Use serial number

The [BacoDiscussionGroups.UseItemNumber] field indicates if a serial number can be linked to a document in this category group. The [BacoDiscussionGroups.UseItemNumber] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

UseItems - Use items

The [BacoDiscussionGroups.UseItems] field indicates if an item can be linked to a document in this category group.

The [BacoDiscussionGroups.UseItems] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

UseLanguageID - Use language field

The [BacoDiscussionGroups.UseLanguageID] field indicates if a language can be linked to a document in this category group.

The [BacoDiscussionGroups.UseLanguageID] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

UseProductLine - Use product line

The [BacoDiscussionGroups.UseProductLine] field indicates if an assortment can be linked to a document in this category group. The [BacoDiscussionGroups.UseProductLine] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

UseProjectNr - Use project number

The [BacoDiscussionGroups.UseProjectNr] field indicates if a project can be linked to a document in this category group.

The [BacoDiscussionGroups.UseProjectNr] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

UseVote - Use voting

The [BacoDiscussionGroups.UseVote] field indicates if the voting functionality can be used for a document in this category group. The value "1" indicates that voting is allowed. The value "0" indicates that voting is not allowed.

3.2 *BacoDiscussionCategories - Document Category*

3.2.1 General Description

The [BacoDiscussionCategories] table stores the document categories. This is the second level of category grouping that can be used within documents. The document category belongs to one of the document category groups, and the category again can be subdivided into subcategories. The reference field of the [BacoDiscussionCategories] table is the [Category] field.

3.2.2 BacoDiscussionCategories field details

Category - Description

The [BacoDiscussionCategories.Category] field stores the description of the category. This is the field that is used when a reference to the [BacoDiscussionCategories] table is needed.

Division - Division

The [BacoDiscussionCategories.Division] field stores the division code of the user's division.

The [BacoDiscussionCategories.Division] field stores the numeric value of the [Bedryf.Bednr] field. This field is not used yet. It is added for future functionality.

GroupID - Group ID

The [BacoDiscussionCategories.GroupID] field stores the ID of the category group this category belongs to.

The [BacoDiscussionCategories.GroupID] field refers to the [BacoDiscussionGroups.ID] field.

ID - ID

The [BacoDiscussionCategories.ID] field stores the system generated database record identification number.

This field is functionally not used.

TemplateID - Default template document

The [BacoDiscussionCategories.TemplateID] field stores the ID of the document that is used as a template when a document of this category is displayed. If for the document category a template is defined it is leading over a template that is defined for the category group. The [BacoDiscussionCategories.TemplateID] field refers to the [BacoDiscussions.ID] field.

3.3 *BacoDiscussionSubCategories - Document subcategory*

3.3.1 General Description

The [BacoDiscussionSubCategories] table stores the lowest level of the category structure.

The reference field of the [BacoDiscussionSubCategories] table is the [SubCategory] field.

3.3.2 BacoDiscussionSubCategories field details

Category - Category description

The [BacoDiscussionSubCategories.Category] field stores the description of the category that the subcategory belongs to.

The [BacoDiscussionSubCategories.Category] field refers to the [BacoDiscussionCategories.Category] field.

CategoryID - Category ID

The [BacoDiscussionSubCategories.CategoryID] field stores the ID of the category the subcategory belongs to.

The [BacoDiscussionSubCategories.CategoryID] field refers to the [BacoDiscussionCategories.ID] field.

Division - Division

The [BacoDiscussionSubCategories.Division] field stores the division code of the user's division.

The [BacoDiscussionSubCategories.Division] field stores the numeric value of the [Bedryf.Bednr] field. This field is not used yet. It is added for future functionality.

ForumCustomer - Forum customer

The [BacoDiscussionSubCategories.ForumCustomer] field indicates if the document subcategory can be used in a forum on customer level. The value "1" indicates that the subcategory can be used in a customer level forum; the value "0" indicates that the subcategory cannot be used in a customer level forum.

ForumDescription - Forum description

The [BacoDiscussionSubCategories.ForumDescription] field stores the description of the document subcategory as it will be shown on the forum.

ForumEmployee - Forum employee

The [BacoDiscussionSubCategories.ForumEmployee] field indicates if the document subcategory can be used in a forum on employee level. The value "1" indicates that the subcategory can be used in an employee level forum. The value "0" indicates that the subcategory cannot be used in an employee level forum.

ForumPublic - Forum public

The [BacoDiscussionSubCategories.ForumPublic] field indicates if the document subcategory can be used in a forum on a public level. The value "1" indicates that the subcategory can be used in a public level forum. The value "0" indicates that the subcategory cannot be used in a public level forum.

ForumReseller - Forum reseller

The [BacoDiscussionSubCategories.ForumReseller] field indicates if the document subcategory can be used in a forum on reseller level. The value "1" indicates that the subcategory can be used in a reseller level forum. The value "0" indicates that the subcategory cannot be used in a reseller level forum.

FullText - Full text

The [BacoDiscussionSubCategories.FullText] field indicates if the documents linked to this subcategory should be included in the full text indexing.

GroupID - Group ID

The [BacoDiscussionSubCategories.GroupID] field stores the ID of the category group the subcategory belongs to. The [BacoDiscussionSubCategories.GroupID] field refers to the [BacoDiscussionGroups.ID] field.

ID - ID

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

NeedsApproval - Needs approval

The [BacoDiscussionSubCategories.NeedsApproval] field indicates if documents in this subcategory need approval. The value "1" indicates that approval is necessary. The value "0" indicates that approval is not necessary.

SecurityLevel - Security level

The [BacoDiscussionSubCategories.SecurityLevel] field stores the default security level for the documents linked to the subcategory.

SubCategory - Sub-category description

The [BacoDiscussionSubCategories.SubCategory] field stores the description of the subcategory. This is the field that is used when a reference to the [BacoDiscussionSubCategories] table is needed.

3.4 *BacoDiscussionGRoles* - Document Approval Roles

3.4.1 General Description

The [BacoDiscussionGRoles] stores per subcategory the role that is needed to approve documents in this subcategory.

3.4.2 BacoDiscussionGRoles field details

Division - Division

The [BacoDiscussionGRoles.ID] field stores the division code of the user's division. The [BacoDiscussionGRoles.ID] field stores the numeric value of the [Bedryf.Bednr] field. This field is not used yet. It is added for future functionality.

ID - ID

The [BacoDiscussionGRoles.ID] field stores the system generated database record ID. This field is not functionally used.

RoleID - Role ID

The [BacoDiscussionGRoles.RoleID] field stores the ID of the role that is needed to approve a document in the linked subcategory. The [BacoDiscussionGRoles.RoleID] field refers to the [HRRoledefs.ID] field.

SubCategoryID - Subcategory ID

The [BacoDiscussionGRoles.SubCategoryID] field stores the subcategory the approval role is defined for. The [BacoDiscussionGRoles.SubCategoryID] field refers to the [BacoDiscussionSubCategories.ID] field.



Chapter 4 | Document types

4. Document types

Document types are used to group documents that have a similar function. Using document types it is not only possible to group the similar documents, but also per type specific defaults, selections and permissions can be defined. Some of these defaults can also be defined using document categories, however when a document type is used the document type functionality is leading.

4.1 *BacoDiscussionFixedGroups* - document type group

4.1.1 General Description

The [BacoDiscussionFixedGroups] table is used to store the document type groups. These document type groups are used to group document types with similar characteristics.

4.1.2 BacoDiscussionFixedGroups field details

CreatedBy - Created by

The [BacoDiscussionFixedGroups.CreatedBy] field stores the resource that created the document type group.

The [BacoDiscussionFixedGroups.CreatedBy] field refers to the [Humres.Res_ID] field.

CreatedDate - Created

The [BacoDiscussionFixedGroups.CreatedDate] field stores the date and time that the document type group has been created.

Description - Description

The [BacoDiscussionFixedGroups.Description] field stores the description of the type group.

Division - Division

The [BacoDiscussionFixedGroups.Division] field stores the division code of the user's division.

The [BacoDiscussionFixedGroups.Division] field stores the numeric value of the [Bedryf.Bednr] field. This field is not used yet. It is added for future functionality.

ID - ID

The [BacoDiscussionFixedGroups.ID] field stores the system generated database record identification number.

This is the field that is used when a reference to the [BacoDiscussionFixedGroups] table is needed.

ModifiedBy - Modified by

The [BacoDiscussionFixedGroups.ModifiedBy] field stores the resource who last modified the document type group.

Initially, this field contains the creator as is stored in the [BacoDiscussionFixedGroups.CreatedBy] field.

The [BacoDiscussionFixedGroups.ModifiedBy] field refers to the [Humres.Res_ID] field.

ModifiedDate - Modified

The [BacoDiscussionFixedGroups.ModifiedDate] field stores the date and time that the document type group was last modified. Initially, this field contains the creation date.

SystemType - System type

The [BacoDiscussionFixedGroups.SystemType] field indicates that the document type group is a system type group. If the type group is a system type, specific functionality is using this type and therefore it can not be deleted. System type document types are created when the software is installed. The value "1" indicates that the document type group is a system type group. The value "0" indicates that the document type group is not a system type group. The standard system types groups are:

Value
Cash flow
CRM
Financial
Forum
HRM
Miscellaneous
Products
Purchase
Sales
Web site

4.2 *BacoDiscussionFixedTypes* - Document type

4.2.1 General Description

The [BacoDiscussionFixedTypes] table stores the document type definition.

In this definition the defaults, selections and permissions are stored that will be used when a document is linked to a specific document type.

4.2.2 BacoDiscussionFixedTypes field details

Ac_Label - Account Label

The [BacoDiscussionFixedTypes.Ac_Label] field stores the description that will be shown if the account field can be linked to the document.

Ac_Selection - Account selection

The [BacoDiscussionFixedTypes.Ac_Selection] field stores the account selection query that will be used if the account field can be linked to the document. This selection query determines which accounts can be selected in the account browser.

Ac_Type - Account type

The [BacoDiscussionFixedTypes.Ac_Type] field stores the account type that can be selected if the account field can be linked to the document. The [BacoDiscussionFixedTypes.Ac_Type] field can have the following values:

Value	Description
1	Associate
2	Prospect
3	Customer
4	Supplier
5	Reseller
6	Division
7	Bank
8	Not validated
NULL	AC_Type is not used

Ac_Use - Account use

The [BacoDiscussionFixedTypes.Ac_Use] field indicates if an account can be linked to a document of this type. The [BacoDiscussionFixedTypes.Ac_Use] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

Active - Active

The [BacoDiscussionFixedTypes.Active] field indicates if the document type is active. The value "1" indicates it is active. The value "0" indicates it is inactive.

Ap_Use - Approval use

The [BacoDiscussionFixedTypes.Ap_Use] field indicates if documents of this type need approval. The value "1" indicates that the document needs approval. The value "0" indicates that the document does not need approval.

As_Default - Default assortment

The [BacoDiscussionFixedTypes.As_Default] field stores the default assortment for documents of this type. The [BacoDiscussionFixedTypes.As_Default] field refers to the [ItemAssortment.Assortment] field.

As_Use - Assortment use

The [BacoDiscussionFixedTypes.As_Use] field indicates if an assortment can be linked to a document of this type. The value "1" indicates that an assortment can be linked. The value "0" indicates that an assortment cannot be linked.

Attachment - Allow attachment

The [BacoDiscussionFixedTypes.Attachment] field indicates if attachments are allowed for this document type.

Cr_Level1 - Creator security level 1

The [BacoDiscussionFixedTypes.Cr_Level1] field stores the role level that, in combination with the [BacoDiscussionFixedTypes.Cr_Role1] field, is necessary to create a document of this type when the security level of the resource is lower than the create security level of the document type (the [BacoDiscussionFixedTypes.Cr_Security] field). The [BacoDiscussionFixedTypes.Cr_Level1] field refers to the [HRRoleLevels.ID] field.

Cr_Level2 - Creator security level 2

The [BacoDiscussionFixedTypes.Cr_Level2] field stores the role level that, in combination with the [BacoDiscussionFixedTypes.Cr_Role2] field, is necessary to create a document of this type when the security level of the resource is lower than the create security level of the document type (the [BacoDiscussionFixedTypes.Cr_Security] field). The [BacoDiscussionFixedTypes.Cr_Level2] field refers to the [HRRoleLevels.ID] field.

Cr_Level3 - Creator Security Level 3

The [BacoDiscussionFixedTypes.Cr_Level3] field stores the role level that, in combination with the [BacoDiscussionFixedTypes.Cr_Role3] field, is necessary to create a document of this type when the security level of the resource is lower than the create security level of the document type (the [BacoDiscussionFixedTypes.Cr_Security] field). The [BacoDiscussionFixedTypes.Cr_Level3] field refers to the [HRRoleLevels.ID] field.

Cr_Role1 - Creator role 1

The [BacoDiscussionFixedTypes.Cr_Role1] field stores the role that, in combination with the [BacoDiscussionFixedTypes.Cr_Level1] field is necessary to create a document of this type when the security level of the resource is lower than the create security level of the document type (the [BacoDiscussionFixedTypes.Cr_Security] field). The [BacoDiscussionFixedTypes.Cr_Role1] field refers to the [HRRoles.ID] field.

Cr_Role2 - Creator role 2

The [BacoDiscussionFixedTypes.Cr_Role2] field stores the role that, in combination with the [BacoDiscussionFixedTypes.Cr_Level2] is necessary to create a document of this type when the security level of the resource is lower than the create security level of the document type (the [BacoDiscussionFixedTypes.Cr_Security] field). The [BacoDiscussionFixedTypes.Cr_Role2] field refers to the [HRRoles.ID] field.

Cr_Role3 - Creator role 3

The [BacoDiscussionFixedTypes.Cr_Role3] field stores the role that, in combination with the [BacoDiscussionFixedTypes.Cr_Level3] is necessary to create a document of this type when the security level of the resource is lower than the create security level of the document type (the [BacoDiscussionFixedTypes.Cr_Security] field). The [BacoDiscussionFixedTypes.Cr_Role3] field refers to the [HRRoles.ID] field.

Cr_Security - Creator security level

The [BacoDiscussionFixedTypes.Cr_Security] field stores the minimal security level that the user needs to have to be able to create a document of this type.

Cr_SystemGen - System generate

The [BacoDiscussionFixedTypes.Cr_SystemGen] field indicates that this document type should have the same functionality as a real system type (the [BacoDiscussionFixedTypes.SystemType] field) like no approval possible, not possible to delete, etc.

CreatedBy - Created by

The [BacoDiscussionFixedTypes.CreatedBy] field stores the ID of the resource who created this document type.

The [BacoDiscussionFixedTypes.CreatedBy] field refers to the [Humres.Res_ID] field.

CreatedDate - Created date

The [BacoDiscussionFixedTypes.CreatedDate] field stores the date and time that the document type was created.

DaysToExpiry - Lifetime

The [BacoDiscussionFixedTypes.DaysToExpiry] field stores the number of days that will be used to calculate the default deletion date of a document of this type.

DefCategory - Default category

The [BacoDiscussionFixedTypes.DefCategory] field stores the ID of the default document category for a document of this type.

The [BacoDiscussionFixedTypes.DefCategory] field refers to the [BacoDiscussionCategories.ID] field.

DefGroupID - Default main category

The [BacoDiscussionFixedTypes.DefGroupID] field stores the ID of the default category group for a document of this type.

The [BacoDiscussionFixedTypes.DefGroupID] field refers to the [BacoDiscussionGroups.ID] field.

DefSecurity - Default security

The [BacoDiscussionFixedTypes.DefSecurity] field stores the default security level for a document of this type.

DefSubCategory - Default sub category

The [BacoDiscussionFixedTypes.DefSubCategory] field stores the ID of the default document subcategory for a document of this type. The [BacoDiscussionFixedTypes.DefSubCategory] field refers to the [BacoDiscussionSubCategories.ID] field.

DeleteRights - Delete

The [BacoDiscussionFixedTypes.DeleteRights] field indicates if and by whom the document can be deleted when version control (the [BacoDiscussionFixedTypes.VersionType] field) is on. The [BacoDiscussionFixedTypes.DeleteRights] field can have the following values:

Description - Description

The [BacoDiscussionFixedTypes.Description] field stores the description of the document type.

Value	Description
Y	Yes
N	No
C	No, only creator can delete
A	no, only approver can delete

Division - Division

The [BacoDiscussionFixedTypes.Division] field stores the division code of the user's division.

The [BacoDiscussionFixedTypes.Division] field stores the numeric value of the [Bedryf.Bednr] field. This field is not used yet. It is added for future functionality.

EditRights - Edit

The [BacoDiscussionFixedTypes.EditRights] field indicates if and by whom the document can be edited when version control (the [BacoDiscussionFixedTypes.VersionType] field) is on. The [BacoDiscussionFixedTypes.EditRights] field can have the following values:

Value	Description
Y	Yes
N	No
C	No, only creator can delete
A	no, only approver can delete

EditSecurity - Security level changeable

The [BacoDiscussionFixedTypes.EditSecurity] field indicates if it is allowed to edit the default security level (the [BacoDiscussionFixedTypes.DefSecurity] field) of a document of this type.

Fi_OurRef - Financial our reference

The [BacoDiscussionFixedTypes.Fi_OurRef] field indicates if a financial transaction our ref can be linked to a document of this type. The [BacoDiscussionFixedTypes.Fi_OurRef] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

Fi_Selection - Financial Selection

The [BacoDiscussionFixedTypes.Fi_Selection] field is not used anymore.

Fi_Use - Use financial

The [BacoDiscussionFixedTypes.Fi_Use] field indicates if a financial transaction can be linked to a document of this type.

The [BacoDiscussionFixedTypes.Fi_Use] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

Fi_YourRef - Financial your reference

The [BacoDiscussionFixedTypes.Fi_YourRef] field indicates if a financial transaction your reference can be linked to a document of this type. The [BacoDiscussionFixedTypes.Fi_YourRef] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

GroupID - Group ID

The [BacoDiscussionFixedTypes.GroupID] field stores the ID of the document type group this documents type belongs to. The [BacoDiscussionFixedTypes.GroupID] field refers to the [BacoDiscussionFixedGroups.ID] field.

It_Default - Items default

The [BacoDiscussionFixedTypes.It_Default] field stores the item code of the default item for documents of this type. The [BacoDiscussionFixedTypes.It_Default] field refers to the [Items.ItemCode] field.

It_Label - Items label

The [BacoDiscussionFixedTypes.It_Label] field stores the description that will be shown if the item field can be linked to the document.

It_Selection - Items selection

The [BacoDiscussionFixedTypes.It_Selection] field stores the item selection query that will be used if the item field can be linked to the document. This selection query determines which items can be selected in the items browser.

It_Status - Items status

The [BacoDiscussionFixedTypes.It_Status] field stores the item status that can be selected if the item field can be linked to the document. The [BacoDiscussionFixedTypes.It_Status] field can have the following values:

Value	Description
A	Active
F	Future
NULL	It_Status not used

It_Use - Items use

The [BacoDiscussionFixedTypes.It_Use] field indicates if an item can be linked to a document of this type.

The [BacoDiscussionFixedTypes.It_Use] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

It_UseNumber - Items sserial number

The [BacoDiscussionFixedTypes.It_UseNumber] field indicates if a serial item can be linked to a document of this type.

The [BacoDiscussionFixedTypes.It_UseNumber] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

Manager - Manager

The [BacoDiscussionFixedTypes.Manager] field stores the ID of the resource that is responsible for the document type.

The [BacoDiscussionFixedTypes.Manager] field refers to the [Humres.Res_ID] field.

ModifiedBy - Modified by

The [BacoDiscussionFixedTypes.ModifiedBy] field stores the resource who last modified the document type.

The [BacoDiscussionFixedTypes.ModifiedBy] field refers to the [Humres.Res_ID] field.

ModifiedDate - Modified date

The [BacoDiscussionFixedTypes.ModifiedDate] field stores the date and time that the document type was last modified.

Initially, this field contains the creation date.

OrderNumber_Use - Use order number

The [BacoDiscussionFixedTypes.OrderNumber_Use] field indicates if an order number can be linked to a document of this type.

The [BacoDiscussionFixedTypes.OrderNumber_Use] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

PaymentReference_Use - Use payment reference

The [BacoDiscussionFixedTypes.PaymentReference_Use] field indicates if a payment reference can be linked to a document of this type. The [BacoDiscussionFixedTypes.PaymentReference_Use] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

Policy - Policy document

The [BacoDiscussionFixedTypes.Policy] field stores the ID of the document that contains the policy that applies for this document type. The [BacoDiscussionFixedTypes.Policy] field refers to the [BacoDiscussions.ID] field.

Pr_Default - Project default

The [BacoDiscussionFixedTypes.Pr_Default] field stores the project code of the default project for documents of this type. The [BacoDiscussionFixedTypes.Pr_Default] field refers to the [PRProject.ProjectNr] field.

Pr_Selection - Project selection

The [BacoDiscussionFixedTypes.Pr_Selection] field stores the project selection query that will be used if the project field can be linked to the document. This selection query determines which projects can be selected in the projects browser.

Pr_Use - Project use

The [BacoDiscussionFixedTypes.Pr_Use] field indicates if a project can be linked to a document of this type. The [BacoDiscussionFixedTypes.Pr_Use] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

Re_Label - Resource label

The [BacoDiscussionFixedTypes.Re_Label] field stores the description that will be shown if the resource field can be linked to the document.

Re_Selection - Resource selection

The [BacoDiscussionFixedTypes.Re_Selection] field stores the resource selection query that will be used if the resource field can be linked to the document. This selection query determines which resources can be selected in the resources browser.

Re_Status - Resource status

The [BacoDiscussionFixedTypes.Re_Status] field stores the resource status that can be selected if the resource field can be linked to the document. The [BacoDiscussionFixedTypes.Re_Status] field can have the following values:

Value	Description
A	Active = (Humres.emp_stat='A')
H	Active and hired= (Humres.emp_stat IN ('H','A'))
NULL	Re_Status is not used

Re_Type - Resource Type

The [BacoDiscussionFixedTypes.Re_Type] field stores the resource types that can be selected if the resource field can be linked to the document. The [BacoDiscussionFixedTypes.Re_Type] field refers to the [Humres.Emp_Type] field.

The [BacoDiscussionFixedTypes.Re_Type] field can have the following values:

Value	Description
A	Applicant
C	Contractor
E	Employee
R	Reseller
S	Student
T	Temporary

Re_Use - Resource use

The [BacoDiscussionFixedTypes.Re_Use] field indicates if a resource can be linked to a document of this type.

The [BacoDiscussionFixedTypes.Re_Use] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

Sec_Ap_Use - Security approval use

The [BacoDiscussionFixedTypes.Sec_Ap_Use] field indicates if documents of this type need secure approval. The value "1" indicates that the document needs secure approval. The value "0" indicates that the document does not need secure approval.

Note: This field can only be filled when the setting "FDASecurity" is set to on.

ShipmentMethod_Use - Use shipment method

The [BacoDiscussionFixedTypes.ShipmentMethod_Use] field indicates if a shipment method can be linked to a document of this type. The [BacoDiscussionFixedTypes.ShipmentMethod_Use] field can have the following values:

Value	Description
0	Not allowed
1	Allowed
2	Mandatory

SystemType - System type

The [BacoDiscussionFixedTypes.SystemType] field indicates that the document type is a system type. If the type is a system type, specific functionality is using this type and therefore it can not be deleted. System type document types are created when the software is installed. The value "1" indicates that the document type is a system type group. The value "0" indicates that the document type is not a system type group.

TemplateID - Template ID

The [BacoDiscussionFixedTypes.TemplateID] field stores the ID of the document that is used as a template when a document of this type is displayed. The [BacoDiscussionFixedTypes.TemplateID] field refers to the [BacoDiscussions.ID] field.

TypeID - Type ID

The [BacoDiscussionFixedTypes.TypeID] field stores the ID of the document type.

This is the field that is used when a reference to the [BacoDiscussionFixedTypes] table is needed.

UseOwner - Use owner

The [BacoDiscussionFixedTypes.UseOwner] field Indicates if it is possible to assign an owner to a document of this type.

The value "1" indicates that an owner can be assigned. The value "0" indicates an owner cannot be assigned.

UsePublish - Use publish

The [BacoDiscussionFixedTypes.UsePublish] field indicates if it is possible to select the publication level for a document of this type. The value "1" indicates that publication level selection is possible. The value "0" indicates publication level selection is not possible.

UseRating - Use rating

The [BacoDiscussionFixedTypes.UseRating] field indicates if it is possible to rate the documents of this type.

The value "1" indicates that rating is enabled. The value "0" indicates that rating is disabled.

UseStatistics - Use statistics

The [BacoDiscussionFixedTypes.UseStatistics] field indicates if the documents of this type should be included in the statistics.

The value "1" indicates that the type is used in statistics. The value "0" indicates that the type is not used in statistics.

VersionType - Version type

The [BacoDiscussionFixedTypes.VersionType] field stores the way the version number is composed.

The [BacoDiscussionFixedTypes.VersionType] field can have the following values:

Value	Description
N	no versions
S	1, 2, 3,...
U	User defined

Note: The [BacoDiscussionFixedTypes.VersionType] does not only indicate how the version number is composed, this field also indicated that no versions are used when the value is N.

Warehouse_Use - Use warehouse

The [BacoDiscussionFixedTypes.Warehouse_Use] field is not used anymore.



Chapter 5 | Document Images

5. Document Images

In order to make images available for all resources they are stored in the database.

Two kinds of images are stored:

- Document images: these are the images that were inserted into a document.
- Standard pictures: these are images that can be used to customize the e-Synergy interface.

5.1 *BacoDiscussionPictures* - Document Images

5.1.1 General Description

The [BacoDiscussionPictures] table stores the images that are inserted in a document. The images are stored as binary code.

5.1.2 BacoDiscussionPictures field details

CreatedDate - Date created

The [BacoDiscussionPictures.CreatedDate] field stores the date and time that the document images has been created.

Division - Division

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

FileName - File name

The [BacoDiscussionPictures.FileName] field stores the original filename of the image that is stored in the document images.

ID - ID

The [BacoDiscussionPictures.ID] field stores the unique ID of the document images. The [BacoDiscussionPictures.ID] field is the reference field for all tables that need a link to the [BacoDiscussionPictures] table.

Picture - Picture

The [BacoDiscussionPictures.Picture] field stores the image in a binary format.

5.2 *BacoDiscussionStdPictures* - Standard Pictures

5.2.1 General Description

The [BacoDiscussionStdPictures] table is used to store standard pictures that can be used by the system. The field [BacoDiscussionStdPictures.Type] determines what the function of the standard picture is. A standard picture can be of 1 of the following types:

Type	Function
Document	Can be used in document layouts.
Button	Can be used as button image in websites.
Background	Can be used as the Background Picture, Top Picture, and Bottom Picture on the Left-hand Frame, and as the Background Picture of the Header Frame.
Logo	Can be used as the Logo image on the Left-hand Frame.

5.2.2 BacoDiscussionStdPictures field details

Description - Description

The [BacoDiscussionStdPictures.Description] field stores the description of the standard picture.

Division - Division

The [BacoDiscussionStdPictures.Division] field stores the division code of the user's division.

The [BacoDiscussionStdPictures.Division] field stores the numeric value of the [Bedryf.Bednr] field. This field is not used yet. It is added for future functionality.

FileName - File name

The [BacoDiscussionStdPictures.FileName] field stores the original filename of the image that is stored in the standard pictures.

Height - Height

The [BacoDiscussionStdPictures.Height] field stores the height of the image in Pixels.

ID - ID

The [BacoDiscussionStdPictures.ID] field stores the unique ID of the standard pictures. The [BacoDiscussionStdPictures.ID] field is the reference field for all tables that need a link to the [BacoDiscussionStdPictures] table.

Picture - Picture

The [BacoDiscussionStdPictures.Picture] field stores the image in a binary format.

Size - Size

The [BacoDiscussionStdPictures.Size] field stores the size of the image in Bytes.

Type - Type

The [BacoDiscussionStdPictures.Type] field stores the picture type. The [BacoDiscussionStdPictures.Type] field can contain one of the following values:

Value	Description
DOC	Document
BUTTON	Button
BKGRND	Background
LOGO	Logo

Width - Width

The [BacoDiscussionStdPictures.Width] field stores the width of the image in Pixels.

5.3 *BDPictureRefs* - Document Image References

5.3.1 General Description

The [BDPictureRefs] stores the reference link between a document and a picture.

5.3.2 BDPictureRefs field details

Division - Division

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

DocID - Document ID

The [BDPictureRefs.DocID] field stores the ID of the document the picture is inserted in. The [BDPictureRefs.DocID] field refers to the [BacoDiscussions.ID] field.

PictureID - Picture ID

The [BDPictureRefs.PictureID] field stores the ID of the image that is inserted in the document. The [BDPictureRefs.PictureID] field refers to the [BacoDiscussionPictures.ID] field.



Chapter 6 | Documents Masterdata

6. Documents Masterdata

6.1 *BacoDiscussionStates* - Document Statuses

6.1.1 General Description

The [BacoDiscussionStates] table stores the possible states a document can have. This is a system table, and the values can not be changed. The following values are stored in the [BacoDiscussionStates] table:

Value	Description
10	Draft
20	Not approved
25	Rejected
30	Approved
100	Archived

6.1.2 BacoDiscussionStates field details

Description - Description

The [BacoDiscussionStates.Description] field stores the document status description.

Division - Division

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

State - State

The [BacoDiscussionStates.State] field stores the status code. The [BacoDiscussionStates.State] field is the reference field for all tables that need a link to the [BacoDiscussionStates] table. The following values are stored in the [BacoDiscussionStates] table:

Value	Description
10	Draft
20	Not approved
25	Rejected
30	Approved
100	Archived

6.2 *BacoDiscussionCounts* - Document Counts

6.2.1 General Description

The [BacoDiscussionCounts] table stores counts of documents per category and security level. A background job (BDScheduler.exe) will each day set the field [BacoDiscussionCounts.NewCount] to 0 which makes it possible to create reports that show the new documents created that day.

6.2.2 BacoDiscussionCounts field details

Category - Category

The [BacoDiscussionCounts.Category] field stores the document category the documents are counted for.

The [BacoDiscussionCounts.Category] field refers to the [BacoDiscussionCategories.Category] field.

Division - Division

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

GroupID - Group ID

The [BacoDiscussionCounts.GroupID] field stores the ID of the document category group the documents are counted for.

The [BacoDiscussionCounts.GroupID] field refers to the [BacoDiscussionGroups.ID] field.

JobLevel - Security level

The [BacoDiscussionCounts.JobLevel] field stores the security level of the document that where counted.

The [BacoDiscussionCounts.JobLevel] field refers to the [BacoDiscussions.JobLevel] field.

NewCount - New count

The [BacoDiscussionCounts.NewCount] field stores the number of documents that were created after the (BDScheduler.exe) job was last run.

RecCount - Total count

The [BacoDiscussionCounts.RecCount] field stores the total count of documents.

SubCategory - Subcategory

The [BacoDiscussionCountsSubCategory] field stores the document sub category the documents are counted for.

The [BacoDiscussionCounts.SubCategory] field refers to the [BacoDiscussionSubCategories.SubCategory] field.

6.3 *BacoDiscussionVersions* - Document Versions

6.3.1 General Description

The [BacoDiscussionVersions] table stores versions of a document. The document versions can be used to track changes to a document over time. Only 1 version of a document can be active [BacoDiscussionVersions.Status] ="30". All the changes to the active document version will also be updated in the original document in the [BacoDiscussions] table.

6.3.2 BacoDiscussionVersions field details

Attachment - Attachment

The [BacoDiscussionVersions.Attachment] field stores the attachment of the document version.

Body - Body text

The [BacoDiscussionVersions.Body] field stores the html body of the document version.

CheckedOut - Checked out

The [BacoDiscussionVersions.CheckedOut] field stores the date and time a document version is checked out for editing.

CheckedOutBy - Checked out by

The [BacoDiscussionVersions.CheckedOutBy] field stores the resource who has the document version checked out.

The [BacoDiscussionVersions.CheckedOutBy] field refers to the [Humres.Res_ID] field.

CreatedBy - Created by

The [BacoDiscussionVersions.CreatedBy] field stores the resource ID of the resource that created the document versions.

The [BacoDiscussionVersions.CreatedBy] field refers to the [Humres.Res_ID] field.

CreatedDate - Created

The [BacoDiscussionVersions.CreatedDate] field stores the date and time that the document versions has been created.

Division - Division

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

DocumentID - Document ID

The [BacoDiscussionVersions.DocumentID] field stores the ID of the document the version belongs to.

The [BacoDiscussionVersions.DocumentID] field refers to the [BacoDiscussions.ID] field.

Filename - File name

The [BacoDiscussionVersions.Filename] field stores the original file name of the attachment.

FPIIntroText - Front page intro text

The [BacoDiscussionVersions.FPIIntroText] field stores the text that is used as frontpage news sub header.

HID - Human readable ID

The [BacoDiscussionVersions.HID] field stores the document version ID. This field is not functionally used; functionally the original document's [Bacodiscussions.HID] and the [BacoDiscussionVersions.Version] field are used to identify a particular version.

ID - ID

The [BacoDiscussionVersions.ID] field stores the system generated database record ID. This field is not functionally used.

ModifiedBy - Modified by

The [BacoDiscussionVersions.ModifiedBy] field stores the resource that last modified the document versions.

The [BacoDiscussionVeresions.ModifiedBy] field refers to the [Humres.Res_ID] field.

ModifiedDate - Modified

The [BacoDiscussionVersions.ModifiedDate] field stores the date and time that the document versions was last modified.

StartDate - Start date

The [BacoDiscussionVersions.StartDate] field stores the date the version becomes the active version.

The BDScheduler background job will change the status of the version to active on the start date.

Status - Status

The [BacoDiscussionVersions.Status] field stores the code of the status of the document version.

The [BacoDiscussionVersions.Status] field refers to the [BacoDiscussionStates.State] field.

StatusText - Status text

The [BacoDiscussionVersions.StatusText] field stores the rejection text of the document version. This is the text the user can enter when rejecting a document that needs approval.

Subject - Subject

The [BacoDiscussionVersions.Subject] field stores the subject of the document version.

Timestamp - Timestamp

The [BacoDiscussionVersions.timestamp] field stores a system generated timestamp. The timestamp field is regenerated upon every change in the document versions.

Version - Version

The [BacoDiscussionVersions.Version] field stores the version number of the document version.

VersionNote - Version note

The [BacoDiscussionVersions.VersionNote] field stores the note that can be entered when creating a document version.

6.4 DocumentWords - Documents Search Index

6.4.1 General Description

The [DocumentWords] table stores the documents full text index. In the full text index each word that is used in a document is and linked to a specific document. This makes it possible to perform very fast searches on documents using individual words.

6.4.2 DocumentWords field details

Division - Division

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

ID - ID

The [DocumentWords.ID] Field stores the ID of the document that contains the word. The [DocumentWords.ID] Field refers to the [BacoDiscussions.ID] field.

Word - Word

The [DocumentWords.Word] Field stores the word that was used in the document.



Chapter 7 | Field properties

7. Field properties

7.1 Documents

7.1.1 BacoDiscussions field properties

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
Assortment	Assortment	ItemAssortment.Assortment	int		Yes		
Body	Body		text		Yes		
Category	Category	BacoDiscussionCategories.Category	char	30	Yes		
CheckedOut	Checked Out		datetime		Yes		
CheckedOutBy	Checked Out By	Humres.Res_ID	int		Yes		
Class_02_1	Class 1	ItemReleases.ProductRelease	char	30	Yes		
Class_02_2	Class 2	ItemReleases.ProductRelease	char	30	Yes		
CmpWwn	Account	Cicmpy.Cmp_wwn	uniqueidentifier		Yes		
cnt_ID	Account Contact person guid	Cicntp.Cnt_ID	uniqueidentifier		Yes		
Company	Company	Bedryf.Bedrnr	char	3	Yes		
CreatedBy	Created by	Humres.Res_ID	int		No		
CreatedByFullName	Created by fullname		char	50	No		
CreatedDate	Created date		datetime		No		
Division	Division		smallint	2	Yes		
Document	Document		image		Yes		
EntryKey	Transaction	TransactionsPedning.EntryGuid	uniqueidentifier		Yes		
ExpiryDate	Document expiration date		datetime		Yes		
Filename	File name		varchar	100	Yes		
FPIIntroText	Frontpage Introduction Text		varchar	200	Yes		
GroupID	Group ID	BacoDiscussionGroups.ID	int		No		0
HID	Human readable ID		int		No		
HumResID	resource	Humres.Res_ID	int		Yes		
ID	ID		uniqueidentifier		No		
IsMailMerge	Is Mailmerge document		bit		No		0
IsTemplate	Template		bit		No		0
ItemCode	Item code	Items.ItemCode	varchar	30	Yes		
ItemNumberID	Item Serial Number Id	ItemNumbers.ID	uniqueidentifier		Yes		
JobLevel	Security level		int		No		0
LanguageID	Language	Taal.TaalCode	char	3	Yes		

BacoDiscussions field properties

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
ModifiedBy	Modified by	Humres.Res_ID	int		Yes		
ModifiedDate	Modified date		datetime		No		
NewsType	News type		tinyint		No		0
Note	Remarks and comments		text		Yes		
OrderNumber	Attached order		char	8	Yes		
OurRef	Our reference		char	8	Yes		
Owner	Owner	Humres.Res_ID	int		Yes		
OwnerType	OwnerType		smallint		Yes		
OwnerTypeValue	Owner Type Value		varchar	50	Yes		
ParentID	Parent ID	BacoDiscussions.ID	uniqueidentifier		Yes		
PaymentReference	Payment reference	Gbkmut.Betaalref	text		Yes		
ProjectNr	Project number	PRProject.ProjectNr	char	20	Yes		
ShipmentMethod	Shipment method	Ordlev.Levwijze	char	3	Yes		
Source	source		char	1	Yes		
Status	Status	BacoDiscussionStates.State	int		No		1
StatusText	Statustext		vachar	100	Yes		
SubCategory	sub-category	BacoDiscussionSubCategories.ID	char	30	Yes		
Subject	Subject		vachar	256	No		
timestamp	TimeStamp		timestamp		No		
Type	Type	BacoDiscussionFixedTypes.TypeID	int		No		0
Version	Document version number	BacoDiscussionVersions.Version	char	20	Yes		
ViewDate	View Date		datetime		No		
VoteCount	Vote Count		int		Yes		
VoteSum	Vote Sum		int		Yes		
Warehouse	Warehouse	Magaz.Magcode	char	4	Yes		
YourRef	Your reference	Gbkmut.DocNumber	char	30	Yes		

7.2 Document categories

7.2.1 BacoDiscussionGroups field properties

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
AllowReplies	Allow users to create replies to documents		bit		No		(1)
Description	Description		varchar	100	No		
Division	Division		smallint	2	Yes		
GroupIcon	Group icon		image		Yes		
GroupIconFileName	Allow Publish on frontpage / headlines		varchar	25	Yes		
GroupOrder	Order		int		No		(0)
ID	ID		int		No		
Publish	Allow publication level selection		bit		No		(0)
RestrictedRights	Show security field		bit		No		(0)
TemplateID	Default template document	BacoDiscussions.ID	uniqueidentifier		Yes		
UseCmpWwn	Use account		tinyint		No		(0)
UseCompany	Use company		tinyint		No		(1)
UseCompGroup	use company group		tinyint		No		(1)
UseEntryKey	Use EntryKey		tinyint		No		(0)
UseHumResID	Use human resource ID		tinyint		No		(0)
UseItemNumber	Use Serial Number		tinyint		No		(0)
UseItems	Use items		tinyint		No		(0)
UseLanguageID	Use Language field		tinyint		No		(0)
UseProductLine	Use product line		tinyint		No		(0)
UseProjectNr	UseProjectNr		tinyint		No		(0)
UseVote	Use voting		tinyint		No		(0)

7.2.2 BacoDiscussionCategories field properties

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
Category	Description		char	30	No		
Division	Division		smallint	2	Yes		
GroupID	Group ID	BacoDiscussionGroups.ID	int		No		0
ID	ID		uniqueidentifier		No		
TemplateID	Template ID	BacoDiscussions.ID	uniqueidentifier		Yes		

7.2.3 BacoDiscussionSubCategories field properties

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
Category	Category description	BacoDiscussionCategories.Category	char	30	No		
CategoryID	Category ID	BacoDiscussionCategories.ID	uniqueidentifier		Yes		
Division	Division		smallint	2	Yes		
ForumCustomer	Forum customer		bit		No		0
ForumDescription	Forum description		vachar	255	Yes		
ForumEmployee	Forum employee		bit		No		0
ForumPublic	Forum public		bit		No		0
ForumReseller	Forum reseller		bit		No		0
FullText	Full text		bit		No		1
GroupID	Group ID	BacoDiscussionGroups.ID	int		No		0
ID	ID		uniqueidentifier		No		
NeedsApproval	Needs approval		bit		No		0
SecurityLevel	Security level		int		No		10
SubCategory	Sub-Category description		char	30	No		

7.2.4 BacoDiscussionGRoles field properties

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
Division	Division		smallint	2	Yes		
ID	ID		uniqueidentifier	0	No		
RoleID	RoleID	HrRoleDefs.ID	int		No		0
SubCategoryID	Subcategory ID	BacoDiscussionSubCategories.ID	uniqueidentifier		Yes		

7.3 Document types

7.3.1 BacoDiscussionFixedGroups field properties

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
CreatedBy	Created by	Humres.Res_ID	int		Yes		0
CreatedDate	Created		datetime		Yes		
Description	Description		varchar	60	No		
Division	Division		smallint	2	Yes		
ID	ID		uniqueidentifier		No		
ModifiedBy	Modified by	Humres.Res_ID	int		Yes		0
ModifiedDate	Modified		datetime		Yes		
SystemType	Type		tinyint		No		0

7.3.2 BacoDiscussionFixedTypes field properties

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
Ac_Label	Account Label		varchar	255	Yes		
Ac_Selection	Account Selection		varchar	255	Yes		
Ac_Type	Account Type	AccountTypes.Type	int		Yes		
Ac_Use	Account Use		tinyint		Yes		0
Active	Active		tinyint		Yes		1
Ap_Use	Approval Use		tinyint		Yes		1
As_Default	Default Assortment	ItemAssortment.Assortment	int		Yes		
As_Use	Assortment Use		tinyint		Yes		0
Attachment	Allow Attachment		tinyint		Yes		1
Cr_Level1	Creator Security Level 1	HRRoleLevels.ID	int	3	Yes		
Cr_Level2	Creator Security Level 2	HRRoleLevels.ID	int	3	Yes		
Cr_Level3	Creator Security Level 3	HRRoleLevels.ID	int		Yes		
Cr_Role1	Creator Role 1	HRRoles.ID	int		Yes		
Cr_Role2	Creator Role 2	HRRoles.ID	int		Yes		
Cr_Role3	Creator Role 3	HRRoles.ID	int		Yes		
Cr_Security	Creator Security Level		smallint		Yes		
Cr_SystemGen	System Generate		tinyint	255	Yes		
CreatedBy	Created by	humres.res_id	int		Yes		
CreatedDate	Created Date		datetime	3	Yes		
DaysToExpiry	lifetime		int		Yes		

BacoDiscussionFixedTypes field properties

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
DefCategory	Default Category	BacoDiscussionCategories.ID	uniqueidentifier		Yes		
DefGroupID	Default Main Category	BacoDiscussionGroups.ID	int		Yes		
DefSecurity	Default Security		smallint		Yes		
DefSubCategory	Default Sub Category	BacoDiscussionSubCategories.ID	uniqueidentifier		Yes		
DeleteRights	Delete		char	1	No		
Description	Description		varchar	30	No		
Division	Division		smallint	2	Yes		
EditRights	Edit		char	1	No		
EditSecurity	Security level changeable		tinyint		Yes		
Fi_OurRef	Financial Our Reference		tinyint		Yes		
Fi_Selection	Financial Selection		varchar	255	Yes		
Fi_Use	Use Financial		tinyint		Yes		
Fi_YourRef	Financial Your Reference		tinyint		Yes		
GroupID	Group ID	BacoDiscussionFixedGroups.ID	uniqueidentifier		Yes		
It_Default	Items Default	Items.ItemCode	varchar	30	Yes		
It_Label	Items Label		varchar	255	Yes		
It_Selection	Items Selection		varchar	255	Yes		
It_Status	Items Status		char	1	Yes		
It_Use	Items Use		tinyint		Yes		
It_UseNumber	Items Serial Number		tinyint		No		
Manager	Manager	Humres.Res_ID	int		Yes		
ModifiedBy	Modified By	Humres.Res_ID	int		Yes		
ModifiedDate	Modified Date		datetime		Yes		
OrderNumber_Use	Use order number		tinyint		No		
PaymentReference_Use	Use payment reference		tinyint		No		
Policy	Policy Document	BacoDiscussions.ID	uniqueidentifier		Yes		
Pr_Default	Project Default	PRProject.ProjectNr	char	20	Yes		
Pr_Selection	Project Selection		varchar	255	Yes		
Pr_Use	Project Use		tinyint		Yes		0
Re_Label	Resource Label		varchar	255	Yes		
Re_Selection	Resource Selection		varchar	255	Yes		
Re_Status	Resource Status	ResourceStatus.Status	char	1	Yes		
Re_Type	Resource Type	Humres.Emp_Type	char	1	Yes		
Re_Use	Resource Use		tinyint		Yes		0

BacoDiscussionFixedTypes field properties

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
Sec_Ap_Use	Security approval use		tinyint		Yes		0
ShipmentMethod_Use	Use shipment method		tinyint		No		0
SystemType	System type		tinyint		No		0
TemplateID	Template ID	BacoDiscussions.ID	uniqueidentifier		Yes		
TypeID	Type ID		int		No		
UseOwner	Use Owner		tinyint		Yes		1
UsePublish	Use Publish		tinyint		Yes		1
UseRating	Use Rating		tinyint		Yes		1
UseStatistics	Use Statistics		tinyint		Yes		1
VersionType	Version type		char	1	No		N
Warehouse_Use	Use warehouse		tinyint		No		0

7.4 Document images

7.4.1 BacoDiscussionPictures field properties

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
CreatedDate	Date of creation		datetime		No		
Division	Division		smallint	2	Yes		
Filename	Filename		varchar	255	Yes		
ID	ID		uniqueidentifier		No		
Picture	Picture		image		Yes		

7.4.2 BacoDiscussionStdPictures field properties

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
Description	Account Label		varchar	30	No		
Division	Division		smallint	2	Yes		
Filename	Account Selection		varchar	255	Yes		
Height	Account Type		int		No		(0)
ID	ID		uniqueidentifier		No		
Picture	Picture		image		Yes		
Size	Size		int		No		(0)
Type	Type		varchar	30	No		
Width	Width		int		No		(0)

7.4.3 BDPictureRefs field properties

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
Division	Division		smallint	2	Yes		
DocID	Document ID	BacoDiscussions.ID	uniqueidentifier		No		
PictureID	Picture ID	BacoDiscussionPictures.ID	uniqueidentifier		No		

7.5 Documents Master data

7.5.1 BacoDiscussionStates field properties

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
Description	Description		varchar	30	Yes		
Division	Division		smallint	2	Yes		
State	State		int		No		

7.5.2 BacoDiscussionCounts field properties

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
Category	Category	BacoDiscussionCategories.Category	char	30	Yes		
Division	Division		smallint	2	Yes		
GroupID	Group ID	BacoDiscussionGroups.ID	int		No		0
JobLevel	Security level	BacoDiscussion.JobLevel	int		No		0
NewCount	New count		int		No		0
RecCount	total count		int		No		0
SubCategory	Subcategory	BacoDiscussionSubCategories.SubCategory	char	30	Yes		

7.5.3 BacoDiscussionVersions field properties

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
Attachment	Attachment		image		Yes		
Body	Body text		text		Yes		
CheckedOut	Checked out		datetime		Yes		
CheckedOutBy	Checked out by	Humres.Res_ID	int		Yes		
CreatedBy	Created by	Humres.Res_ID	int		No		
CreatedDate	Created		datetime		No		

BacoDiscussionVersions field properties

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
Division	Division		smallint	2	Yes		
DocumentID	Document ID	BacoDiscussions.ID	uniqueidentifier		No		
Filename	File name		varchar	100	Yes		
FPIntroText	Front page intro text		varchar	200	Yes		
HID	Human readable ID		int		No		
ID	ID		uniqueidentifier		No		
ModifiedBy	Modified by	Humres.Res_ID	int		Yes		
ModifiedDate	Modified		datetime		No		
StartDate	Start date		datetime		Yes		
Status	Status	BacoDiscussionStates.State	int		No		
StatusText	Status text		varchar	100	Yes		
Subject	Subject		varchar	256	No		
Timestamp	Timestamp		timestamp		No		
Version	Version		char	20	No		
VersionNote	Version note		text		Yes		

7.5.4 DocumentWords field properties

Field name	Description	Reference	Data type	Length	Nullable	Term ID	Default
Division	Division		smallint	2	Yes		
ID	ID	BacoDiscussion,ID	uniqueidentifier		No		
Word	Word		char	20	No		



Chapter 8 | Sample SQL queries

8. Sample SQL queries

8.1 Sample SQL queries documents.

1. Query to retrieve a list of documents created by resource '1':

```
SELECT TOP 10 WITH TIES ID, HID, ModifiedDate, GroupId, Category,
SubCategory, Subject, Filename, CreatedByFullName, CreatedBy, JobLevel, ModifiedDate, Status, CreatedDate,
DATALENGTH(Document), ParentID, OwnerType, Owner, Version
FROM BacoDiscussions
WHERE (CreatedBy = '1')
ORDER BY ModifiedDate DESC
```

2. Query to retrieve a list of documents, for which resource '1' is the owner (so not creator):

```
SELECT TOP 10 WITH TIES ID, HID, ModifiedDate, GroupId, Category, SubCategory,
Subject, Filename, CreatedByFullName, CreatedBy, JobLevel, ModifiedDate,
Status, CreatedDate, DATALENGTH(Document), ParentID, OwnerType, Owner, Version
FROM BacoDiscussions
WHERE ((OwnerType=0 AND Owner = '1'))
ORDER BY ModifiedDate DESC
```

3. Query to retrieve a document count, grouped by main category:

```
SELECT GroupID, BacoDiscussionGroups.Description, Category, SUM(RecCount), SUM(NewCount)
FROM BacoDiscussionCounts
INNER JOIN BacoDiscussionGroups on BacoDiscussionCounts.GroupID = BacoDiscussionGroups.ID
WHERE JobLevel <= '13'
GROUP BY GroupID, BacoDiscussionGroups.Description, Category WITH ROLLUP
ORDER BY BacoDiscussionGroups.Description, GroupID, SUM(RecCount) DESC
```

4. Query to retrieve documents that need approval, ordered by modified date:

```
SELECT TOP 10 WITH TIES ID, HID, ViewDate, GroupId, Category,
SubCategory, Subject, Filename, CreatedByFullName, CreatedBy, JobLevel,
ModifiedDate, Status, CreatedDate, DATALENGTH(Document), ParentID, OwnerType,
Owner, Version
FROM BacoDiscussions
WHERE Status = 20
ORDER BY ModifiedDate DESC
```

- Query to retrieve the role(s) that can approve a document:

```
SELECT RoleID From BacoDiscussionGRoles
INNER JOIN BacoDiscussionSubCategories
ON BacoDiscussionSubCategories.ID = BacoDiscussionGRoles.SubCategoryID
WHERE BacoDiscussionSubCategories.SubCategory = 'A'
AND BacoDiscussionSubCategories.GroupID='B' AND BacoDiscussionSubCategories.Category='C'
```

- Query to retrieve document templates:

```
SELECT ID, HID, Subject, Status, ModifiedDate
FROM BacoDiscussions
WHERE IsTemplate=1
```

- Query to retrieve mail merge templates:

```
SELECT ID, HID, Subject, Status, ModifiedDate
FROM BacoDiscussions
WHERE IsMailMerge=1
```

8.2 Sample SQL queries document categories.

- Query to retrieve all main categories and categories:

```
SELECT distinct BacoDiscussionGroups.ID, BacoDiscussionGroups.Description,
BacoDiscussionCategories.Category, BacoDiscussionCategories.ID, BacoDiscussionGroups.GroupIconFileName
FROM BacoDiscussionGroups
LEFT OUTER JOIN BacoDiscussionSubCategories ON BacoDiscussionSubCategories.GroupID = BacoDiscussionGroups.ID
LEFT OUTER JOIN BacoDiscussionCategories ON BacoDiscussionCategories.GroupID = BacoDiscussionGroups.ID
ORDER BY BacoDiscussionGroups.Description, BacoDiscussionGroups.ID, BacoDiscussionCategories.ID
```

- Query to retrieve all properties of main category '1':

```
SELECT ID, Description, AllowReplies, RestrictedRights, UseItems, UseProductLine, Publish, UseHumResID, UseCmpWwn,
GroupIconFileName, UseLanguageID, UseCompGroup, UseCompany, UseEntryKey, UseVote, UseItemNumber
FROM BacoDiscussionGroups WHERE ID = '1'
```

8.3 Sample SQL queries documents types.

1. Query to retrieve the number of documents, per document type, grouped by the document type groups:

```
SELECT BacoDiscussions.Type, COUNT(*), BacoDiscussionFixedTypes.Description
FROM BacoDiscussions
LEFT OUTER JOIN BacoDiscussionFixedTypes ON BacoDiscussionFixedTypes.TypeID = BacoDiscussions.Type
WHERE BacoDiscussionFixedTypes.GroupID = '{use Guid}'
AND BacoDiscussions.status = 30 AND BacoDiscussions.JobLevel <= 13
GROUP BY BacoDiscussions.Type, BacoDiscussionFixedTypes.Description
ORDER BY BacoDiscussionFixedTypes.Description
```

2. Query to retrieve all document types, grouped by document type groups:

```
SELECT ID, Description FROM BacoDiscussionFixedGroups ORDER BY Description
```

8.4 Sample SQL queries document versions.

1. Query to retrieve all versions, of a document:

```
SELECT * FROM BacoDiscussionVersions
WHERE DocumentID='{use GUID}'
ORDER BY Version DESC
```

2. Query to retrieve the active version of a document:

```
SELECT BacoDiscussionVersions.ID, BacoDiscussionVersions.Version from
BacoDiscussionVersions
JOIN BacoDiscussions ON BacoDiscussions.ID = BacoDiscussionVersions.DocumentID
WHERE BacoDiscussionVersions.DocumentID = {use Guid}' AND
BacoDiscussions.Version = BacoDiscussionVersions.Version
```



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