

Relevant fields and tables in SQL

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Introduction

This document aims to provide essential guidelines on aspects to consider when working with particular data in the platform's SQL database, which is out of the scope of the content of the documents about SQL data localization, available in the Knowledge base.

It also offers a summary of the main system fields and their data structure, how the values of some terms are converted, explains relevant fields that are repeated in elements of the platform, what relationships between tables must be established to obtain data located in certain elements, such as obtaining the name of an employee based on a single starting point, and the main tables and data structures used in the database are listed.

In short, it provides an insight into certain particular aspects of data retrieval in the SQL database that are not covered in any other document available in the Knowledge base.

Considerations

The query statements seen on some images are automatically generated by the SQL Management Studio application's query designer.

It is worth mentioning that we must add the WITH (NOLOCK) option in the queries sentences, even if not visible in the images, it must always be added in the query.

Relevant tables

Below is a list of the main tables and the types of data that structure the platform's database.

Static SQL tables

Lists the main SQL tables that store platform data.

AP_BPM_Procesos

Contains the data of both started and created processes.

Each started process has a record in this table.

Campo	Tipo	Descripción
ID	int	Process ID: with this data it is possible to establish a relationship with most of the available tables and views.
IdClaseProceso	int	Class of processes ID.
Orden	int	Number of correlative order of the process, within a class of processes number and version.
IdEstado	int	0 = Started 1 = Finished 2 = Stopped 7 = Not started / draft 8 = Predetermined data
Referencia	nvarchar(255)	Process base reference.
FechaTerminar	datetime	End date of the process. When a process is started, the value is automatically saved as '01/01/1900'.
FechaVencimiento	datetime	Date on which the processes completion period expires.
IdMensajeInicioAsc	int	ID of the AP_BPM_Mensajes table, and ID of the message that originated the process. Value = 0 if not started by a message event.

<p>IdNotificacionDuracion int</p>	<p>Indicates if a notification has been sent because the alert and alarm data defined in the notification have been met.</p> <p>Its values are:</p> <p>0 - None 1 - Alert 2 - Alarm</p>
<p>FechaInicio datetime</p>	<p>Start date of the processes. In processes which start with a time start event, it coincides with its creation date. In processes launched by a start message event, the process is created when the message is created. The start date is set when the engine starts the process.</p>

Main relationships:

The table below shows the relationship of some elements on this table:

ID

Using the values indicated in parentheses, in the following tables:

- Panel_ID (_ElementID). This is the link that will generally be used to access the panel.
- AP__BPM_Procesos_Historicos (IdProcesoAsc). To access the history of the process panel.
- AP__BPM_TareaPersonal (IdProceso). To link to all personal tasks of a running process.
- AP__BPM_ParticipantesAsignar (IdElemento). To know the name of the participant.
- AP__Enlaces (IdElementoOrigen). To obtain family data.
- Panel_ID_ID1 (_Register creation ProcessID). For groups of fields data.

SQL views

Through the IdProceso field, there is a relationship with the generated views available in the database.

IdClaseProceso

Through the ID or ElementID fields of the indicated classes.

- AP__BMP_ProcesosClases (ID)
- AP__BPM_Duracion (IdElemento). For chronometric.

IdMensajeInicioAsc

Using the ID field in the table below:

AP__BPM_Mensajes (ID)

AP__BPM_ProcesosClases

Contains all the classes of processes created from all versions. A record is created for each different version of a class of processes number.

Field	Type	Description
ID	int	Contains the class of processes ID, which is a unique token identifier.
NombreClaseProceso	nvarchar(255)	Name of the class of processes of a given version.
Version	int	Class of processes number version.
Descripcion	ntext	Description of the class number of a version.
TiempoReloj	int	Whether the time will be taken from the server or the user's local time: 1 = Local 2 = Server
TiempoLocal	int	Value of the selected local time: -12 = GMT-12 ... = ... -1 = GMT-1 0 = GMT 1 = GMT+1 ... = ... 12 = GMT+12
Ejecucion	int	Whether the execution of the class of processes will be serial or parallel: 0 = Parallel 1 = Serie
IdEstadoClaseProceso	int	Value that represents the state in which the class of processes is found: 1 – Development environment 2 – Test environment 4 – Restricted production environment 8 – Production environment 16 – Blocked 32 - Unused
IdCalendarioAsc	int	ID of the calendar selected for the class of processes.

ClaveClaseProceso	int	ID of the dictionary field that contains the key field for this number of the class of processes corresponding version
NumeroClaveClaseProceso	int	Class of processes number. When creating the process its value is that of the ID. In a versioned class, this number does not vary.
IdRecintoSeguroAsc	int	ID of the secure room that protects the class of processes.
Referencia	nvarchar(255)	Class of processes reference.
StartProcess	bit	Indicates whether it will be possible to start processes in development mode.

Main relationships:

The table below lists the relationship of some elements

ID

- AP__BMP_ProcesosClases_Objeto (IdClaseProceso)
- AP__BMP_Procesos (IdClaseProceso)

ClaveClaseProceso

- AP__BPM_Diccionarioclaves (ID)

IdRecintoSeguroAsc

- AP__RecintosSeguros (ID)

AP__BPM_ProcesosClases_Objeto

Contains all the objects created in the class of processes.

Field	Type	Description
ID	int	Unique record identifier.
IdPagina	int	Identifier of the modeler page, to control its name change.
CodigoObjeto	nvarchar(50)	Object code generated by the modeler.

NombrePagina	nvarchar(50)	Name of the page where the object created in the modeler is.
IdClaseProceso	int	ID of the class of processes the object belongs to.
NombreObjeto	nvarchar(255)	Descriptive name of the object, also generated from the diagram (for compatible modelers version).
NombreBanda	nvarchar(255)	Name of the diagram band in which the object is located.
Categoria	int	Object category. 0 = Not defined 1 = Task 2 = Event 4 = Subprocess 8 = Gateway
IdObjeto	int	ID of the object in the corresponding list, which records its attributes.
SPPagina	nvarchar(50)	If the object is located within the expanded notation of a subprocess, it shows the name of the page in which the collapsed notation is located.
SPCodigo	nvarchar(50)	If the object is in a subprocess, code of the object that represents the compressed subprocess notation.

OrdenTareaSPL	int	Order in which linear tasks within a thread are to be executed.
EnPapelera	int	Can have one of these values: 0 - No 1 - Yes

Listed below are the relationships of some of the fields to other tables:

IdclaseProceso

AP__BPM_ProcesosClases, a través de ID.

IdObjeto

AP__BPM_TareasClasesPersonal, a través de ID.

AP__BPM_TareaPersonal, a través de IdClaseTarea.

CodigoObjeto

AP__BPM_TareasClasePersonal, a través de CodigoClase (TP o TP.19, por ejemplo)

AP__CamposTabla

It contains all the terms defined in all the platform's panels. If a term is found in different panels (different classes of processes), it will create a record for each of them. Groups of fields have their own records.

Field	Type	Description
ID	int	Process fields key.
NombreTabla	nvarchar(255)	Name of the table where the field this record refers to, is located (Panel_ID, Panel_ID_ID1, Panel_ID_ID1_ID2, ...).
IdTermino	int	ID of the term from which the field was created in the table.
Nombre	nvarchar(255)	Field display name.
Descripcion	nvarchar(255)	Field description.
ValorPorDefecto	nvarchar(255)	Field default value.

TipoTermino	int	<p>Type of the term from which the field was created in the table:</p> <ul style="list-style-type: none"> -10 = Not defined -1 = Not applicable 1 = Prefix 2 = Suffix 3 = General field (independent field) 5 = Key 6 = Group of fields 10 = Personal roles 11 = Account for dynamic families 12 = Selection options
NombreInterno	nvarchar(255)	<p>Internal field name. It is composed of the type of term + '_' + field's name. Examples: 3_Observaciones, 1_Producto, 2_Referencia/Ciudad When they are suffixes, the name of the prefix is added before the name of the suffix (field).</p>
OrigenCampo	int	<p>Origin of the field. Indicates how the field was generated:</p> <ul style="list-style-type: none"> 0 = System field 1 = Link field 2 = Dictionary field 3 = User field 4 = Read only special field 5 = Editable special field 6 = Rule field 7 = Personal role field
Obligatorio	bit	Indicates if the field must be empty or not.
LongitudMaxima	int	Maximum length of a text field.
NumeroLineas	int	Number of lines in a field with multiple lines of text.
Opciones	nvarchar (255)	Available options of a selection type field separated by commas.
TipoSeleccion	int	<p>Single or multiple selection for selection fields:</p> <ul style="list-style-type: none"> 0 = Unique 1 = Multiple

FamiliaSeleccion	int	<p>Family ID of the family selection field:</p> <p>1 = Documents 2 = Accounts 3 = Items 4 = Projects 5 = Areas 6 = Rules 7 = Employees 8 = Processes 41 = Family of records -1 = Not defined</p>
Formula	nvarchar(255)	Formula for calculated fields.
TipoRegistros	int	<p>Type of register for selection fields of registers:</p> <p>0 = Not defined 1 = References 2 = Subject</p>
IdContenedorAsc	int	ID of the container which the panel field is related to, in the case of group of field footers.
IdTablaOverflow	int	Panel table identifier when there is overflow. For example, Panel_ID_o1
TipoCampo	int	<p>Type of data that is stored in the field:</p> <p>-10 = Not defined 0 = Text 1 = Multiple line 2 = Options list 3 = Date 4 = Boolean 5 = Whole umber 6 = Calculated 7 = Family selector 8 = Panel 9 = Hyperlink 10 = Library 11 = Decimal number 12 = Register list 13 = Group of fields 14 = Multiple selection</p>

TipoCampo	int	15 = Prefix adapter 16 = Role selector 17 = Assigned selector 18 = Short date 19 = Rich multiple line text 20 = Dictionary 21 = Multiple Register adapter 23 = Identifier resolver 25 = Multimedia 26 = Generic search 27 = Configuration window 28 = Family links 29 = Family class 30 = Integrated tasks 31 = Internal selection 32 = Signature 34 = User complements 35 = Numeric autoincrement of group of fields lines. 36 = Image 37 = Relational family
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Listed below are the relationships of some of the fields to other tables:

ID

AP__Enlaces (IdTipoEnlace). For family fields.

IdTermino

AP__DiccionarioTGenerales (ID). For general and simple selection fields.

AP__DocIntegratedStorage (AscTermId). For libraries.

AP__DiccionarioGruposCampos (ID). For groups of fields.

IdContenedorAsc

AP__DiccionarioGruposdeCamposContenedores (ID)

AP__BPM_Mensajes

Contains certain values related to message events.

Campo	Tipo	Descripción
ID	int	Unique message identifier.
NombreMensaje	nvarchar(300)	Message name.
IdFormularioAsc	int	ID of the form that forms the message.

Estado	int	Can have one of the following values: 0 - Draft 1 - Created (Running pending by motor) 2 - Processed 4 - In transit (read by motor) 5 - Cancelled
IdProceso	int	ID of the process which the message belongs to.
IdClaseMensaje	int	Class of message ID.

Listed below are the relationships of some of the fields to other tables:

ID

AP__BPM_Procesos (IdMensajeInicioAsc). For start message.

IdClaseMensaje

AP__BPM_EventosMensajesClases (ID).

IdFormularioAsc

AP__AnexosSQL (ID)

AP__BPM_EventosMensajesClases

Contains certain values related to message event classes.

Field	Type	Description
ID	int	Unique record identifier.
CodigoClase	nvarchar(50)	Code of the message event class defined in the model.
PaginaClase	nvarchar(50)	Page which the message event class is defined on.
IdProcesoAsc	int	Process class ID. ID of the process which the message event class belongs to.
IdGeneroAsc	int	Message class gender identifier: 13 = Embedded event in class of task. 14 = TPX event. 23 = Message event. 24 = Start message event.

NombreMensajeClase	nvarchar(255)	Name of the message class, given by the model.
IdFormularioAsc	int	ID of the form associated to the message event class
Descripcion	ntext	Description of the message event class.
TiposDatosFormulario	int	Defines whether the message data is obtained from a form or from panel fields described in a pattern: 1 – Form 2 – Panel

Some fields are related to other tables. These fields are listed below:

ID

AP__Enlaces (IdTipoEnlace). For family fields.

IdFormularioAsc

AP__AnexosSQL (ID).

AP__AnexosSQL

It contains the information of the forms, what type it is, its calculation configuration when entering it, buttons in the menu bar, if the header bar is shown, etc.

Field	Type	Description
ID	int	Unique record identifier.
Nombre	nvarchar(255)	Annex name.
IdFamilia	int	ID of the family to which the annex is linked: 0 = Not defined 1 = Employee 2 = Task 3 = Document 4 = Account 5 = Item 6 = Project 7 = Areas 8 = External task 9 = Process 10 = Phase 11 = Message 12 = SPL task

		13 = Gateway 17 = Personal role 18 = Process view 22 = Family of records
IdClaseFamilia	int	Class of family ID.
Tabla	nvarchar(255)	Name of the table where the annex records are saved.
IdFamiliaSec	int	ID of the secondary family to which a form annex is linked: 0 = Not defined 1 = Employee 2 = Task 3 = Document 4 = Account 5 = Item 6 = Project 7 = Scope 8 = External task 9 = Process 10 = Phase 11 = Message 12 = SPL task 13 = Gateway 17 = Contacts 18 = Process view 22 = Family of records
IdclaseFamiliaSec	int	ID of the class of the secondary family.
TipoAnexoSQL	int	Indicates if it is a form annex or internal. 0 = Internal 2 = Form 4 = Predetermined data
VistaPersonalizada	bit	Use custom view or show all fields.
NombrePersonalizado	nvarchar(255)	Display name in a form annex.
AnchoVentana	int	Width of the window that opens to display a form annex.
AltoVentana	int	Height of the window that opens to display a form annex.
Descripción	nvarchar(255)	Form description.

Naturaleza	int	Nature of the messages. Only for message forms: -10 = All 0 = Sending 1 = Receiving
IdCapituloAsc	int	ID of the chapter which the form belongs to.
IdRecintoAsc	int	Secure room ID which the form belongs to when ran by an employee.
Ejecución	int	Type of execution that is allowed for this form. It is a bitmask; it can have multiple numeric values selected. 1 = Internal portal 2 = External portal 5 = Anonymous portal 0 = Not defined
Principal	bit	Indicates if it is a main form.
PosSuperior	int	Top position of the form on the screen.
PosIzquierda	int	Left position of the form on the screen.
ColorFondo	nvarchar(50)	Color of the bottom of the form.
IdPortalExternoAsc	int	ID of the external portal which the form belongs to, when executed by a contact.

Listed below are the relationships of some of the fields to other tables:

IdCapituloAsc

AP_Formularios_Arbol (ID).

IdRecintoAsc

AP_RecintosSeguros (ID).

AP_Diccionario_Terminos_Opciones

Contains all the options of the dictionary terms that are simple and multiple selection.

Field	Type	Description
ID	int	Unique record identifier.

TipoTermino	int	Indicates if it is a independent general term, a prefix, suffix or contact field. 1 = Prefix 2 = Suffix 3 = General loose field 10 = Contact
IdTermino	int	ID of the dictionary term to which the options belong to: (Depends on the value of [TipoTermino]), if equal to: '1' links to [AP_DiccionarioPrefijos].[ID] '2' links to [AP_DiccionarioSufijos].[ID] '3' links to [AP_DiccionarioTGenerales].[ID]
Opcion	nvarchar(255)	Option value.
Orden	int	Position of the value in the selection.

Listed below are the relationships of some of the fields to other tables:

ID

Panel_ID ([nombreInternoCampoSelecciónSimple])

Panel_ID_ID1 (_OptionID) – For multi selector (outside group of fields).

Panel_ID_ID1 ([nombreInternoCampoSelecciónSimple]) – For simple selection in a group of fields.

Panel_ID_ID1_ID2 (_OptionID) – For multi selector in a group of fields.

Panel_ID_ID1_ID2 ([[nombreInternoCampoSelección]]) – For simple selection in an affiliated group of fields.

Panel_ID_ID1_ID2_ID3 (_OptionID) - For multiple selection fields in an affiliated group of fields.

IdTermino

(Depends on [TipoTermino]) value, if equal to:

'1', links to AP_DiccionarioPrefijos (ID)

'2', links to AP_DiccionarioSufijos] (ID)

'3', links to AP_DiccionarioTGenerales (ID)

AP_Enlaces

Contains all the different links made in the class of processes panel, such as: prefixes, etc.

Field	Type	Description
ID	int	Record unique identifier.
TipoEnlace	int	Defines which element class the link is associated to: 1 = Forms
IdTipoEnlace	Int	Unique identifier of the element selected to associate the link to.
Familia	Int	Family of the element to be linked: 1 = Documents 2 = Accounts 3 = Items 4 = Projects 5 = Areas 6 = Rules 7 = Employees 8 = Processes 9 = Calendar 41 = Family of records
IdElementoEnlazado	int	Unique identifier of the element to be linked.
Principal	bit	Indicate if it is main or not.
Nivel	int	Type of the element to be linked. 2 = Branch 3 = Class 4 = Element
GuidBiblioteca	char(36)	Identifier of the library which it belongs to.
UrlBiblioteca	nvarchar(1000)	URL of the library which a document belongs to. Applicable only for the Documents family.
IdElementoOrigen	int	ID of the linked element. For example, the ID of the process or the message. it is used to make one more distinction, in addition to "IdTipoEnlace".
IdElementoOrigenSec	int	ID of the linked child element. For example, the ID of the row in a group of fields.
NombreElementoEnlazado	nvarchar(255)	Name of the element that has been linked.

IdElementoOrigenSec	int	Saves the ID of the source record of the Panel_ID and Panel_ID_ID1 panels (of a group of fields), where a prefix, general family term, etc..
IdFamiliaDefinible	int	Family ID when it is an element of its family of records.

Listed below are the relationships of some of the fields to other tables:

IdTipoEnlace

AP__CamposTabla (ID)

IdElementoOrigen

Panel_ID (_ElementID)

Panel_ID_ID1 (_Register creation ProcessID) – for use in groups of fields.

Panel_ID_ID1_ID2 (_Register creation ProcessID) – for use with affiliated groups of fields.

IdElementoOrigenSec

Panel_ID_ID1 (ID) – for a group of fields.

Panel_ID_ID1_ID2 (ID) – for an affiliated group of fields.

IdFamiliaDefinible

AP__FamiliasDefinibles (ID)

AP__DocIntegratedStorage

Contiene los documentos integrados en bibliotecas y campos de tipo multimedia.

Campo	Tipo	Descripción
ID	int	Unique record identifier.
IntegrationObject	int	Type of element which the document is linked to: 0 – Undefined 1 – Process form 2 – Personal role form 3 – Family of records form 4 - Library
IntegrationObjectId	int	ID of the element which the document is linked to.
AscTermId	int	ID of the dictionary term which the document is linked to.
SourceIntegration	int	Type of source in which the integration of the document was applied to: 0 – Undefined 1 – Personal task 2 – System task

		3 – Start message 4 - Uploader (Utilities) 5 – Uploader update (Utilities) 6 – Base document 7 – Web service 8 – Family of records form 9 - Query 10 - Library 11 – Personal role
Name	nvarchar(255)	Document name.
Extension	nvarchar(50)	Document extension.
Weight	int	Document size.
Version	int	Integrated document version.
GUID	uniqueidentifier	Document identifier.
Description	nvarchar(4000)	Document description.
RecordId	int	Record ID (row) when the library is in a group of fields.
AscDocStorageId	int	ID of the storage associated to the integrated document.
_Txt1 a _Txt32	nvarchar(255)	Metadata in one line text fields.
AscDocStorage_SubFolderId	int	ID of the subdirectory in which the file corresponding to the document will be stored (for File System storage).
_TxtMulti1 a _TxtMulti8	nvarchar(4000)	Metadata in multiple line text fields.
Token	nvarchar(50)	Document unique identifier. Encrypts the string formed by ID_TipoDocumento, using the private key configured in the “Structure” option in the platform.

Listed below are the relationships of some of the fields to other tables:

IntegrationObjectId

AP__BPM_Procesos (ID). Cuando IntegrationObject = 1

AP__Dyn_Contactos (ID). Cuando IntegrationObject = 2

AP__FamiliasDefinibles (ID). When IntegrationObject = 3

AscTermId

AP__DiccionarioTGenerales (ID)

RecordId

Panel_ID_ID1 (ID) – for group of fields.

Panel_ID_ID1_ID2 (ID) – for affiliated group of fields.

AscDocStorageId

AP__DocPathStorage (ID)

AP__BPM_TareasClases_Personal

Contains data from all personal task's classes in processes.

Field	Type	Description
ID	int	Unique record identifier.
CodigoClase	nvarchar(50)	Personal task class code, given by the model.
PaginaClase	nvarchar(50)	Page where the personal task class is defined in the model.
IdProcesoAsc	int	ID of the process to which the personal task class belongs to.
IdGeneroAsc	int	Gender identifier of the personal task class: 11 = Personal class task 12 = Personal task with time event 13 = Personal task with message event 14 = Personal Task with combined event
NombreClaseTarea	nvarchar(25)	Name of the personal task class that is given by the model.
NombreVisible	nvarchar(255)	Personal task class display name.
IdEventoIncrustadoAsc	int	ID of the embedded time event in the task class.
Descripcion	ntext	Personal task class description.
InstruccionesTexto	bit	Indicates whether the personal class of task has textual instructions.
InstruccionesRN	bit	Indicates if the task class has instructions from any rule.

Instrucciones	ntext	Field containing the text type instructions of the personal task class.
Confidencial	bit	Determines if assignments for this class will be confidential.
TiempoReloj	int	Clock time value.
TiempoLocal	int	Local time value, when "local" is selected in clock time: -12 = GMT-12 ... = ... -1 = GMT-1 0 = GMT 1 = GMT+1 ... = ... 12 = GMT+12
IdEvtMsjIncrustadoAsc	int	ID of the message event embedded in the task class.
IdCalendarioAsc	int	ID of the calendar associated with the personal task class.
IdDisenoVentanaAsc	int	ID of the selected design for the personal task window.
Ejecucion	int	Determines the type of personal task execution: internal portal or external portal. 0 = Not defined 1 = Internal portal 2 = External portal
InstruccionesPanel	bit	If the task class has instructions from a panel field.
IdInstruccionesPanel	int	Instructions ID: in the case of panel, panel field id.
TipoClonar	int	Tipo de clonación de la clase de tarea: 1 = General 2 = Restricted 3 = Do not clone
CorrienteUnica	bit	If the running class has multiple tasks, indicates whether they will behave as a single process flow or as multiple process flows.
ColorPlanning	nvarchar(50)	Color that the task class will have in the planning.

AvisoCorreo	bit	Indicates if a personal task is received via email.
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Listed below are the relationships of some of the fields to other tables:

ID

AP__BPM_TareaPersonal (IdClaseTarea)

IdEvtMsjIncrustadoAsc

AP__BPM_EventosMensajesClases (ID). Cuando IdGeneroAsc = 13.

AP__BPM_EventoCombinadoClases (ID). Cuando IdGeneroAsc = 14.

IdEventoIncrustadoAsc

AP__BPM_EventosTiempoClases (ID). Cuando IdGeneroAsc = 12.

CodigoClase

Direct relationship to filter by task type (TP.10, TP.15, TP.20, etc.).

AP__BPM_TareaPersonal

Contains all the personal tasks of the processes that have been started and are running.

Field	Type	Description
ID	int	Unique identifier of the task in a running process.
Creado	datetime	Indicates the creation date of the task. If the BPMS Motor is stopped, this task will not be created, and the date will only be recorded when the task is created. The actual date is the date of arrival in the performer's tray. This date is shown in the "Arrival" column of the executor's task tray.
Nombre	nvarchar(255)	Task name.
IdClaseTarea	int	Task class ID.
IdProceso	int	ID of the process in which the personal task is located.
IdEstado	int	Personal task status identifier: 0 = Pending start. It is the date of arrival in the performer's tray (unopened task). In this State, the value of "FechaInicio" and "FechaTerminar" are equal to 01/01/1900.

		<p>1 = Started. It is the date of opening, for the first time, of the task by the performer. The values of "FechaInicio" and "FechaTerminar" take the value of the open date.</p> <p>2 = Finished. The completion date of the task is updated. It is updated with the date on which the "Finish" button is pressed. In this state the value of "FechaTerminar" will be different from 01/01/1900, which is the default value of the empty field.</p> <p>3 = Canceled. Canceled personal tasks, that reached the end of a process or thread. Cancels all process flows, setting the value of "IdEstado" to '3'. Personal tasks with message or time event that are canceled because the event has been activated, have the same value 3 in IdEstado.</p> <p>4 = Blocked</p>
FechaInicio	datetime	<p>The date the task went from the "arrived" status to the "started" status.</p> <p>Indicates the date the task was opened for the first time, by the performer employee, whether or not something was modified.</p> <p>The simple fact of opening the task already saves the date.</p>
Rango	int	Task priority range.
FechaAviso	datetime	Task reminder date.
FechaTerminar	datetime	Indicates the date when the "Finish" button in the task was executed.
FechaVencimiento	datetime	<p>Task expiration date.</p> <p>It is calculated by adding the maximum duration of the task class to the task creation date. This maximum task duration is taken from the "DurMaximaValor" field in the "AP_BPM_Duracion" table.</p> <p>In addition, this data is recorded or updated at the time of creating the record in the personal task.</p>
IdCorriente	int	ID of the current thread to which the created task belongs to.
IdNotificacionDuracion	int	<p>Indicates if a notification has been sent because the notification alert and alarm have been met:</p> <p>0 = None</p>

		1 = Alert 2 = Alarm
TareaGrupo	bit	Determines if the task has been created as part of a group of tasks, because it has multiple performers.

Listed below are the relationships of some of the fields to other tables:

ID

AP__BPM_ProcesosObjetos_Historicos (IdElemento)

AP__BPM_ParticipantesAsignar (IdElemento). To know the participant's name.

IdClaseTarea

AP__BPM_TareasClases_Personal (ID).

AP__BPM_Duracion (IdElemento). For chronometric.

IdProceso

AP__BPM_Procesos (ID)

Panel_ID (_ElementID)

AP__BPM_TareasSistClases

Contains all system task classes created in all classes of processes.

Field	Type	Description
ID	int	Record unique identifier.
CodigoClase	nvarchar(50)	Code of the personal task class, given by the model. Contains the code of the task class of a processes class (i.e.: TP // TP.19).
PaginaClase	nvarchar(50)	Page where the personal task class is located in the model. Contains the page number where the object or task is located. Within the same class of process, in the diagram, if we have several pages, the classes of tasks may be duplicated, and may have the same numbering TS.150, TS.1151, etc., on each page. Having this in mind, it is necessary to control in the reports, in addition to the type of task that we want, the page number in which the task class is located: TS.150 in page 1 TS.150 in page 2 TS.150 in page 3

IdProcesoAsc	int	ID of the process which the personal task class belongs to. Contains the code of the class of process in which this task class is included.
IdGeneroAsc	int	Gender identifier of the personal task class: 15 = System task
NombreTareaSistema	nvarchar(255)	System task class name.
Descripcion	ntext	Description of the personal task class.
IdFuncion	int	System task class identifier: 0 = Upload of information in panel. 1 = Notification to employee users. 5 = Notification to anonymous users. 7 = Start a new process 13 = Run script. 15 = Run web service. 17 = Deviate process flow to an event of a different process. 24 = Confirms email notification. 28 = Theme field selection. 31 = SMS send notification.
IdCalendarioAsc	int	ID of the calendar associated with the system task class. 0 = Of the process it belongs to <> 0 = Any other calendar
TiempoReloj	int	Task clock time: 0 = Process 1 = Local 2 = Server
TiempoLocal	int	Local clock time when local clock time is selected: -12 = GMT-12 a 12 = GMT+12
TipoDestinatario	int	Recipient type in a notification function, general or group of fields: 1 = General 2 = Group of fields

Listed below are the relationships of some of the fields to other tables:

ID

AP__BPM_TareaNotificacion (IdClaseTarea)

CodigoClase

AP__BPM_ProcesosClases_Objeto (CodigoObjeto)

IdProcesoAsc

AP__BPM_ProcesosClases (ID)

AP__BPM_TareasSistClases_Notificacion

Contains the message that the notification class has.

Field	Type	Description
IdTareaSistClaseAsc	int	System task ID it is related to.
ContenidoTipo	int	Notification content type: -1 = Not defined 0 = Text 1 = Panel 2 = Document
ContenidoTexto	ntext	Contains the sent message when the notification is textual.
CodigoRemitente	int	Sender type code: 0 = Not defined 1 = Employee 2 = Role 3 = Panel 4 = From another task 6 = Real task performer 19 = System
ValorRemitente	nvarchar(50)	Sender value, depending on the field type, employee, panel field, etc.
ContenidoId	int	Content ID when it is a panel field.
TipoEnvio	int	If the notification is sent per recipient, or is grouped if the recipient is repeated: 1 = Per line 2 = Per recipient
AsuntoMail	nvarchar(255)	Email subject when the notification is email sending.
IdReferencia	int	Reference of the process that will be displayed along with the subject of the email: 1 = Base reference 2 = Extended reference 3 = Do not show reference
TipoDestinatario	int	Type of recipient to whom the notification is addressed. It could be a field in a group of fields or recipients in general type field: 0 = Not defined 1 = General

2 = Group of fields

Listed below are the relationships of some of the fields to other tables:

IdTareaSistClaseAsc

AP__BPM_TareaNotificacion (IdClaseTarea)

AP__BPM_TareaNotificacion

It contains all the system tasks of NOTIFIER type, in the processes that have been started and that are executed within the same process, except the "Notifies by email" type, which are registered in the table AP__BPM_TareaEnvioFormulario.

Field	Type	Description
ID	int	Unique record identifier.
IdClaseTarea	int	ID of the class of the singular notification task type it belongs to.
IdProceso	int	Number of sequential processes in all classes. ID of the process to which the notification task belongs to.
IdEstado	int	Personal task status identifier: 1 = Started 2 = Finished
Nombre	nvarchar(255)	Notification task name.
FechaInicio	datetime	Task start date.
CodigoError	int	Error code in notification: 0 = Not defined 1 = No external account in panel 2 = Duration alert 3 = Duration alarm 4 = Emergency warning 5 = Not active user 6 = No performer 7 = No profile in panel 8 = Operation uploader 9 = No role in panel 10 = CRC function 11 = License not available 12 = Form field comment
IdElementoAsc	int	ID of the element which generates the error notification.

ElementoAsc	int	Type of object that generates the error notification: 0 = Not defined 2 = Personal task 6 = Process 7 = System task
ContenidoNotificacion	ntext	Text content of the notification when the text is determined at run time, for example, as in the case of sending emergency.

Listed below are the relationships of some of the fields to other tables:

ID

AP__BPM_ParticipantesAsignar (IdElemento). Get the participant's name.

IdClaseTarea

AP__BPM_TareasSistClases (ID)

AP__BPM_TareasSistClases_Notificacion (IdTareaSistClaseAsc)

IdProceso

Panel_ID (_ElementID)

AP__BPM_Procesos (ID)

AP__BPM_TareaEnvioFormulario

Contains all the NOTIFIER system tasks "Notifies by email" type.

Field	Type	Description
ID	int	Task unique identifier.
TipoClaseTarea	int	Class of task that this information belongs to: 11 = System task class "Notifies by email" (NOTIFIER System task) 17 = System class task form sending (NOTIFIER System task) 24 = Homework class send form
IdClaseTarea	int	Task class identifier.
ContenidoTexto	ntext	Text of the sent message.
IdProceso	int	Identifier of the process to which the task belongs.
IdEstado	int	Task status identifier: 0 = Arrival

		1 = Started 3 = Finished
AsuntoMail	nvarchar(255)	Subject field in message.

Listed below are the relationships of some of the fields to other tables:

IdTareaClase

AP__BPM_TareaSistemaClases (ID).

AP__BPM_ProcesosObjetos_Historicos

Save the comment log data, by task, while it is not finished. When the task is finished, the record disappears from this table.

Field	Type	Description
ID	int	Record unique identifier.
Elemento	int	Type of object of the process that the comment log is related to: 0 = Not defined 2 = Personal task
IdElemento	int	ID of the process object that the comment log is related to.
IdProcesoHistoricoAsc	int	ID of the comment log of the process that it is related to. Matches the ID of the table AP__BPM_Procesos_Historicos.
TextoHistorico	ntext	Comment log content before the process object, that is, before saving it to the process object. It is the text of the comment log of a task that is saved and in which the "Finish" button has not been pressed yet.
TipoElemento	int	Element type that the IdProcesoAsc field belongs to: -1 = Not defined 0 = Process 1 = Start message

Listed below are the relationships of some of the fields to other tables:

IdElemento

AP__BPM_TareaPersonal (ID)

IdProcesoHistoricoAsc

AP__BPM_Procesos_Historicos (ID)

AP__BPM_Procesos_Historicos

Save the comment log data, by task once the task is finished.

Campo	Tipo	Descripción
		Unique record identifier.
ID	int	Corresponds to the general comment log of the process. Added or incorporated all the comment log of each task.
IdProcesoAsc	int	ID of the process which the comment log belongs to. Corresponds to the ID of the process that has been executed.
IdProcesoClaseHistoricoAsc	int	Process class comment log ID.
Historico	ntext	Complete text of the comment log of all the tasks of the process. When the "Finish" button is pressed in a task, the field where the value is registered, AP__BPM_ProcesosObjetos_Historicos.TextoHistorico, is added to the one that could already exist in the field AP__BPM_Procesos_Historicos.Historico.

Listed below are the relationships of some of the fields to other tables:

ID

AP__BPM_ProcesosObjetos_Historicos (IdProcesoHistoricoAsc)

IdProcesoAsc

AP__BPM_Procesos (ID)

AP__BPM_ParticipantesAsignar

It contains all the participants in a process, and a brief description of them. Also, it contains the links to be able to access and get the names of the participants.

Field	Type	Description
ID	int	Contains the unique identifier of the participant.
Elemento	int	Indicates if the participant is in a processes class, personal task, etc.). 0 = Not defined

		<p>2 = Personal task 3 = Notification task 6 = Process 8 = Integrated task</p>
IdElemento	int	<p>Contains a value by which it will be related to the source table, depending on the value it has in the "Elemento" field of this table.</p>
Perfil	int	<p>Indicates if the participant is an executor, sender, etc. See the different profiles: 0 = Responsible 1 = Performer 2 = Substitute performer 5 = Informed 8 = Emergency 10 = Sender 11 = Notification recipient 12 = Finisher 13 = Process responsible 14 = Creator</p>
CodigoParticipante	int	<p>Indicates if the participant is a person, employee position, assistant position, etc. 0 = Not defined 1 = Person 2 = Employee position 3 = Employee group 4 = Assistant position 5 = System 6 = Role 9 = External position 10 = External user 11 = Performer supervisor 12 = Performer 13 = Supervisor position 14 = Performer assistant 15 = Not user 16 = Panel 17 = Contact 18 = SMS provider</p>
ValorParticipante	nvarchar(255)	<p>ValorParticipante (Depending on what is indicated in the "CodigoParticipante" field, the table must be consulted as indicated below: 1 = (Person) = related to the employee's [ID] in AP_Employee. 2 = (Employee position / GUID) = related to "IdentificadorUbicacion", in "AP_EmployeeTreeLevelToGuid" table.</p>

		<p>3 = (Employee group) = related to [ID] of the employee group in AP__EmployeeGroupMember.</p> <p>4 = (Assistant position) = related to [LocationGuid] of the employee position in "AP__EmployeeTreeLevelToGuid" table.</p> <p>6 = (Role)</p> <p>10 = (External user)</p> <p>13 = (Supervisor position) = related to [LocationGuid] of the employee's supervisor in "AP__EmployeeTreeLevelToGuid" table.</p> <p>14 = Performer assistant.</p> <p>16 = Panel = ID in "AP__CamposTabla" table.</p> <p>17 = Contact = related to [ID] in "AP_Dyn_Contactos" table.</p>
IdGrupoParticipante	int	ID of the group associated to the participant's Title. Also the ID of the group of fields that the participant is obtained from.
IdCuentaAsc	int	ID of the account associated to the external user.
IdFilaGC	int	ID of row of the group of fields that the performers are obtained from.

Listed below are the relationships of some of the fields to other tables:

IdElemento

It contains a value related to the source table, depending on the value it has in the "Elemento" field of the same table. Then, the values are indicated according to which it will be related to one table or another:

- 1 = Classes of processes = ID in AP__BPM_ProcesosClases table.
- 2 = Personal task = ID in AP__BPM_TareaPersonal table.
- 3 = Notification tasks = ID in AP__BPM_TareaNotificación table.
- 4 = Sending form tasks = ID in AP__BPM_TareaEnvioFormulario table.
- 5 = Message (start or intermediate) = ID in AP__BPM_Mensajes table.
- 6 = Process = ID in AP__BPM_Procesos table
- 8 = Integrated task = ID in AP__BPM_TareaIntegrada table.

AP__BPM_Duracion

Contains the values defined in the chronometrics, of the class of processes, and personal tasks in the class of processes.

Field	Type	Description
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ID	int	Record unique auto-incremental counter identifier.
IdElemento	int	ID of the class that the duration belongs to.
Elemento	int	Chronometric type saved: 0 = Personal tasks 4 = Control points 5 = Spans 7 = Classes of processes (chronometric is saved for each version of a classes of processes).
DurUnidad	int	Contains the measurement time type of the saved chronometric: 0 = Natural days 1 = Working days 2 = Natural hours 3 = Natural minutes 6 = Working hours 7 = Working minutes
DurPrevista	int	Expected duration for this class: 0 = No 1 = Panel 2 = Manual
DurMinima	int	Minimum duration for this class: 0 = No 1 = Panel 2 = Manual
DurMaxima	int	Maximum duration for this class: 0 = No 1 = Panel 2 = Manual
DurAlerta	int	Determines if there will be an alert-alarm warning: True = Yes False = No
DurAlertaUmbral	int	Threshold value for triggering the alert-alarm: 1 = Panel 2 = Manual
DurAlertaUmbralValor	int	Threshold value for triggering the alert-alarm. It can be a manually typed numeric value or an ID of a panel field.
DurPrevistaValor	int	Expected duration value. It can be a manually typed value or an ID of a panel field.

DurMinimaValor	int	Minimum duration value. It can be a manually typed value or an ID of a panel field.
DurMaximaValor	int	Value of the maximum duration. It can be a manually typed value or an ID of a panel field.
IdNivelCritico	int	Critical level value for the duration of the class (values: from 0 to 9).

Listed below are the relationships of some of the fields to other tables:

IdElemento

AP__BPM_Procesos (IdClaseProceso)

AP__BPM_TareaPersonal (IdClaseTarea)

AP__RolesCuenta_Asignados

Contains the roles that are assigned to an account.

Field	Type	Description
ID	int	Unique auto-incremental counter identifier of the assigned role in an account.
IdCuenta	int	The ID of the account that the role is assigned to.
IdRol	int	The ID of the role from the 'AP__DiccionarioRoles' table, assigned to an account.
IdContacto	int	It is the contact ID in the "AP_Dyn_Contactos" table, assigned to the account role.

Listed below are the relationships of some of the fields to other tables:

IdCuenta

AP__CuentasFichas (ID).

IdRol

AP__DiccionarioRoles (ID)

IdContacto

AP__Dyn_Contactos (ID)

AP__DiccionarioRoles

Contains the singular and generic roles created and contacts.

Field	Type	Description
ID	int	Record unique auto-incremental counter identifier.
TipoRol	int	Whether the role is singular or generic (affects a family and an operational level): 1 = Generic 2 = Singular
Familia	int	Family that is associated to obtain the information. It is used with generic roles. 1 = Documents 2 = Accounts 3 = Items 4 = Projects 5 = Areas 6 = Rules 7 = Employees 8 = Processes
Nombre	nvarchar(255)	Role name.
NivelActuacion	int	Used in generic roles. If the token affects a class, an element, or a branch with a certain number of figures. 0 = Whole family or global 2 = Branch 3 = Class 4 = Element
CifrasNA	int	Used for generic roles. If the generic level is branch, its number of digits. 0 = Global 1 = 1 digit level 2 = 2 digits level 3 = 3 digits level Up to 50 = 50 digits level (max. value)
NivelRegistro	int	Used for generic roles. Record level where the role, class, element or branch is defined with a certain number of digits. 0 = Whole family or global 2 = Branch 3 = Class 4 = Element
CifrasNR	int	Used in generic roles. If the register level is a branch, indicates its digits level.

		<p>0 = Global</p> <p>0 = Global</p> <p>1 = 1 digit level</p> <p>2 = 2 digits level</p> <p>3 = 3 digits level</p> <p>Up to</p> <p>50 = 50 digits level (max. value)</p>
Idcalendario	int	<p>Used for singular and generic roles.</p> <p>Contains the ID of the associated personal calendar, or 0 if you don't want to use it.</p> <p>0 = Personal calendar is not used</p> <p>> 0 = ID of the associated personal calendar.</p>

Listed below are the relationships of some of the fields to other tables:

ID

- AP__RolesCuenta_Asignados (IdRol).
- Panel_ID (2_NombreCampo/_AcRole).
- AP__RolesEnlazados (IdDiccionarioRolAsc).

AP__Dyn_Contactos

For contacts roles data.

Field	Type	Description
ID	int	Record unique auto-incremental counter.
_ElementID	int	Account ID for which the role has been created.
_APUserType	int	Type of user created: 1 = External user 3 = Not user
_UserID	int	Used for contact roles. Contains the ID of the contact roles. 0 = "Not user" personal role. > 0 = Contact's roles ID in AP__Usuarios table.
_PeRoleName	nvarchar(255)	Role name.
_SecurityLevel	int	ID of "AP__Diccionario_Terminos_Opciones" table, that has the security level option. It is mandatory: 0 = No Security level > 0 = Table ID of "AP__Diccionario_Terminos_Opciones" table.

_Email	nvarchar(255)	Email address for the contact role.
NombreInternoTermino	int, nvarchar(255)	Terms added by the user to the contact record. (one line text, multiple line text, whole number, decimal number, date, yes/no, and simple selection).

Listed below are the relationships of some of the fields to other tables:

ID

AP__RolesCuenta_Asignados (IdContacto).

_ElementID

AP__CuentasFichas (ID).

_UserID

AP__Usuarios (ID). Used with contacts when the value of “_UserID” is higher than zero.

_SecurityLevel

AP__Diccionario_Terminos_Opciones (ID). For values higher than zero.

AP__Dyn_Contactos_ID

Contains the selected values for a multiple selection or group of fields term in the contact’s record.

Field	Type	Description
ID	int	Record unique auto-incremental counter identifier.
_ElementID	int	Contains the contact ID in the “AP__Dyn_Contactos” table.
_OptionID	int	ID of the selected option in the “AP__Diccionario_Terminos_Opciones” table.

For each multiple selection term, a different table will be created. The ID value is obtained from the table AP_CamposTabla, establishing this correspondence: NombreTabla = “AP__Dyn_Contactos”, TipoCampo = 14 and NombreInterno = the internal name of the multiple selection term.

The ID of the record obtained in the AP_CamposTabla table will be the ID value in the AP__Dyn_Contactos_ID table.

For a group of fields, the table will have the following content:

Field	Type	Description
-------	------	-------------

ID	int	Record unique auto-incremental counter identifier.
_ElementID	int	Contains the contact ID on the "AP_Dyn_Contactos" table.
NombreInternoTermino	int, nvarchar(255)	Text type terms one line, multiline, integer, decimal, date, yes/no and simple selection included in the group of fields of the contact record.

A different table will be created for each group of fields type terms, the ID value is obtained from the table "AP_CamposTabla", establishing the following correspondence: NombreTabla = "AP_Dyn_Contactos", TipoCampo = 13 and NombreInterno = the internal name of the group of fields.

The ID of the record obtained in the "AP_CamposTabla" table will be the ID value in the AP_Dyn_Contactos_ID table.

AP_Dyn_Contactos_ID_ID1

Contains the selected values for a multiple selection type field in a group of fields in the contact record, or the values of an affiliated group of fields in the contact record.

For multiple selection type fields in a group of fields, the table has the following format:

Field	Type	Description
ID	int	Record unique auto-incremental counter identifier.
_ElementID	int	Contains the ID of the contact in the "AP_Dyn_Contactos_ID" table.
_OptionID	int	ID of the selected option in the "AP__Diccionario_Terminos_Opciones" table.

A different table will be created for each multiple selection term, the ID1 value is obtained from the AP_CamposTabla table establishing the following correspondence: NombreTabla = "AP_Dyn_Contactos_ID", TipoCampo = 14 and NombreInterno = the internal name of the multiple selection term.

The ID of the record obtained in the AP_CamposTabla table, will be the ID1 value in the AP_Dyn_Contactos_ID_ID1 table.

For affiliated group of fields, there are the following fields:

Field	Type	Description
-------	------	-------------

ID	int	Record unique auto-incremental counter identifier.
_ElementID	int	Contains the ID of the contact in the "AP_Dyn_Contactos_ID" table.
NombreInternoTermino	int, nvarchar(255)	One line text, multiple line text, whole number, decimal number, date, yes/no, and simple selection terms included in the affiliated group of fields in the contact record.

A different table will be created for each affiliated group of fields term, the value of ID1 is obtained from the AP_CamposTabla table, establishing the following correspondence: NombreTabla = "AP_Dyn_Contactos_ID", TipoCampo = 13 and NombreInterno = the internal name of the affiliated group of fields.

The ID of the record obtained in the AP_CamposTabla table will be the ID1 value in the AP_Dyn_Contactos_ID_ID1 table.

AP_Dyn_Contactos_ID_ID1_ID2

Contains the selected values for a multiple selection term in an affiliated field group of fields in the contact record. Its content is as follows.

Field	Type	Description
ID	int	Record unique auto-incremental counter identifier.
_ElementID	int	Contains the ID of the contact in the "AP_Dyn_Contactos_ID_ID1" table
_OptionID	int	ID of the selected option in the "AP__Diccionario_Terminos_Opciones" table.

A different table will be created for each multiple selection term. The ID value is obtained from the AP_CamposTabla table, establishing the following correspondence: NombreTabla = "AP_Dyn_Contactos_ID_ID1", TipoCampo = 14 and NombreInterno = the internal name of the multiple selection field in the affiliated group of fields.

The ID of the record obtained in the table: AP_CamposTabla will be the ID2 value in the AP_Dyn_Contactos_ID_ID1_ID2 table.

AP_Dyn_Familias_ID

Contains the values of the elements of its family of records.

Field	Type	Description
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ID	int	Record unique auto-incremental counter identifier.
_FamilyClass	int	Family of records class ID.
_Name	nvarchar(255)	Family of records register name.
_SecureRoomID	int	Secure room identifier.

AP_FamilyRelational_Net

Contains the values of the networks of family relationships.

Field	Type	Description
ID	int	Record unique auto-incremental counter identifier.
Name	nvarchar(255)	Net relationship name.
Description	ntext	Relationship net description.

AP_FamilyRelational

Contains the values of relationships between families.

Field	Type	Description
ID	int	Record unique auto-incremental counter identifier.
Name	nvarchar(255)	Family relationship name.
Description	ntext	Relationship description.
Family1Id	int	Family 1 ID in the relationship.
Family2Id	int	Family 2 ID in the relationship.
RelationId	int	Relationship to be established between the tables.

		0 - Not defined 1 - "1" to "1" relationship 2 - "1" to "n" relationship 3 - "n" to "n" relationship
FieldFamily1Id	int	ID of the relational field in the panel of the family 1 in the table AP__CamposTabla.
FieldFamily2Id	int	ID of the relational field in the panel of the family 2 in the table AP__CamposTabla.
NetId	int	ID of the relationship network that the relationship belongs to.
Family1Type	int	Family 1 type. 2 - Account 3 - Item 4 - Project 5 - Area 7 - Employee 8 - Process 41 - Family of records
Family2Type	int	Family 2 type. 2 - Account 3 - Item 4 - Project 5 - Area 7 - Employee 8 - Process 41 - Family of records

The terms that are used in the relationship are not saved in the tables of the family itself. The corresponding information is stored in the AP__FamilyRelational_Data table.

AP__FamilyRelational_Data

Contains relationship data.

Field	Type	Description
ID	int	Record unique auto-incremental counter identifier.
RelationID	nvarchar(255)	Relationship name.
ElementFamily1Id	ntext	Linked element ID of the Family 1 in the relationship.
ElementFamily2Id	int	Linked element ID of the Family 2 in the relationship.

AP_Usuarios

Contains contacts, includes those with status = no user.

Fields	Type	Description
ID	int	Record unique auto-incremental counter identifier.
Login	nvarchar(255)	User login.
TipoUsuario	int	User family to which the user belongs to: 0 = Employee 1 = External user 3 = Not user
IdEstado	int	Indicates the status that a user is fixed. 1 = Received 2 = Provisionally validated 4 = Rejected 8 = Active 16 = Inactive 32 = Discontinued
Local	bit	User type. True = Local False = Dominio

Listed below are the relationships of some of the fields to other tables:

ID

AP_Dyn_Contactos (_UserID).

AP_BPM_BloqueoProceso

Contains contacts, includes those with status = no user.

Field	Type	Description
ID	int	Record unique auto-incremental counter identifier.
IdProceso	int	Blocked process ID.
IdObjeto	int	ID of the diagram object on which the flow was blocked in.
IdElemento	int	ID of the element that was created based on the object's gender.

CategoriaElemento	int	Category of the element that was created based on the diagram's object gender: 11 – Personal task 21 – Time event 23 – Message event
IdCorriente	int	ID of the stream in which the halt happened.
TipoBloqueo	int	0 – Not defined 1 - Main 2 - Associated

Listed below are the relationships of some of the fields to other tables:

IdProceso

AP__BPM_Procesos (ID)

IdObjeto

AP__BPM_ProcesosClases_Objeto (ID)

IdElemento

AP__BPM_TareaPersonal (ID). Para CategoriaElemento = 11.

AP__BPM_MonitorizacionRastreo

Contains the monitoring values of a process.

Field	Type	Description
ID	int	Record unique auto-incremental counter identifier.
IdElemento	int	ID of the element that was created based on the object's gender.
IdObjeto	int	Object's ID in the diagram.
IdProceso	int	ID del proceso.
FechaLlegada	datetime	Date of stream arrival to the object.
FechaSalida	datetime	Date of stream left from the object.
Estado	int	Status of the tracked object. When the next object is evaluated, the previous one is considered finished. 0 – Not defined

1 - Arrived
2 - Finished

AP_BPM_Corriente

Contiene los datos de la corriente de un proceso.

Campo	Tipo	Descripción
ID	int	Contains the current data of a process.
IdProceso	int	Process ID.
TipoCorriente	int	Indicates if the process flow has been created by the motor as usual or has been started with the move flow heads option. 1 - Automatic 2 - Manual
Estado	int	1 - Active 2 - Inactive

Tablas dinámicas SQL

Lists the main SQL tables that store platform data.

Panel_ID

Contains the data of all processes created or started. Each started process has a record in this table.

Field	Type	Description
ID	int	Unique identifier.
_ElementID	int	Sequential process ID.
1_Prefijo	int, nvarchar (255)	Used prefix type fields.
2_Sufijo	nvarchar (255)	Used suffix type fields.
3_Campo	nvarchar (255)	Other used field types.

All prefix-type terms are preceded by '1_', suffix type terms are preceded by '2_', and all other terms are preceded by '3_'.

Listed below are the relationships of some of the fields to other tables:

ID

Panel_ID_ID1 (_ElementID). Multiple selector table or group of fields.

_ElementID

AP__BPM_Procesos (ID)

AP__Enlaces (IdElementoOrigen)

NombreInternoSelectorSimple

AP__Diccionario_Terminos_Opciones (ID)

Panel_ID_ID1

Contains the data of all the simple selection type terms in the Panel ID table.

Field	Type	Description
ID	int	Unique identifier. Links to Panel_ID.ID
_ElementID	int	Value that points to the ID value in the Panel_ID table.
_OptionID	int	Links to AP_Dictionary_Term_Options.ID

Listed below are the relationships of some of the fields to other tables:

_ElementID

Panel_ID (ID)

_OptionID

AP__Diccionario_Terminos_Opciones (ID)

Panel_ID_ID1

Contains the data of all the group of fields terms in the Panel_ID table.

Field	Type	Description
ID	int	Unique identifier. Links to Panel_ID.ID
_ElementID	int	Value pointing to the ID value in the Panel_ID table.
_Register creation Process ID	int	Process number (ID).

_ Origin Register ID	int	Same value as the ID value in this table. Used in transferrers.
1_Prefijo	int, nvarchar (255)	Used prefix fields.
2_Sufijo	nvarchar (255)	Used suffix fields.
3_Nombre	nvarchar (255)	Other used field types.

Listed below are the relationships of some of the fields to other tables:

ID

Panel_ID_ID1_ID2 (_ElementID). For multiple selector tables in groups of fields or affiliated groups of fields.

AP__Enlaces (IdElementoOrigenSec)

_Register creation ProcessID

AP__BPM_Procesos (ID)

AP__Enlaces (IdElementoOrigen)

NombreInternoSelectorSimple

AP__Diccionario_Terminos_Opciones (ID)

Panel_ID_ID1_ID2

Contains the data of all multiple selection type terms in a group of fields.

Field	Type	Description
ID	int	Unique table identifier.
_ElementID	int	A value that points to the ID value of Panel_ID_ID1_ID2 table. Links to Panel_ID_ID1 table.
_OptionID	int	Links to AP_Diccionario_Termino_Opciones.ID

Listed below are the relationships of some of the fields to other tables:

_ElementID

Panel_ID_ID1 (ID)

_OptionID

AP__Diccionario_Terminos_Opciones (ID)

Panel_ID_ID1_ID2

Contains data from all affiliated group of fields.

Field	Type	Description
ID	int	Unique table identifier.
_ElementID	int	A value that points to the ID value of Panel_ID_ID1 table. Links to Panel_ID_ID1 table.
_Register creation ProcessID	int	Process ID number.
1_Prefijo	int, nvarchar (255)	Used prefix fields.
2_Sufijo	nvarchar (255)	Used suffix fields.
3_Nombre	nvarchar (255)	Other used field types.

A continuación se enumeran las relaciones de algunos de los campos con otras tablas:

_ElementID

Panel_ID_ID1 (ID)

_Register creation ProcessID

AP__BPM_Procesos (ID)

Panel_ID_ID1_ID2_ID3

Contains the data of multiple selection fields type in an affiliated group of fields.

Field	Type	Description
ID	int	Unique table identifier.
_ElementID	int	A value that points to the ID value of Panel_ID_ID1_ID2 table. Links to Panel_ID_ID1_ID2 table.
_OptionID	int	Links to AP_Diccionario_Termino_Opciones.ID

Listed below are the relationships of some of the fields to other tables:

_ElementID

Panel_ID_ID1_ID2 (ID)

_OptionID

AP__Diccionario_Terminos_Opciones (ID)

SQL panel views

The database has some SQL views, which facilitate the access to the data of the processes' panels. For additional information on these, you can consult the Knowledge base.

Main tables

The tables that store a class of processes' data are listed. Its main characteristics are described, except in the case of dictionary fields, whose name is self-explanatory.

Dictionary fields table
AP__DiccionarioTGenerales
AP__DiccionarioPrefijos
AP__DiccionarioSufijos
AP__Diccionario_Terminos_Opciones
AP__DiccionarioGruposCampos
AP__Diccionario_GrupoDeCampos
AP__Diccionario*

(*) Other dictionaries.

The following table shows the data equivalence of fields in table when they are in an object, in design mode.

Fields table in design	Description
AP__BPM_ProcesosClases	Corresponds to the index of the classes of processes created. Contains all created

	<p>classes, including their versions. Creates a new record for each version, for the same class of processes.</p>
AP__AnexosSQL	<p>It contains an internal record (field TipoAnexoSQL = 0), for each dynamic table (Panel_ID, AP_Dyn_Contactos, AP_Dyn_Familias_ID) and another user record (Field TipoAnexoSQL = 2) for each form they may have (message start event, for each personal task and personal roles).</p>
AP__DivisionPaginaFormulario	<p>It creates a record for each "division" that is available in a form in a classes of processes (start message, intermediate message, personal task), and for each division in the contact or contact record. Saves data such as position, width, height, etc.</p>
AP__PaginaFormulario	<p>It creates a record for each new page in a form in a class of processes (start message, intermediate message, personal task), and for each division in the families or contact's record. Save data such as size, etc.</p>
AP__BPM_EventosMensajesClases	<p>Create a record for each message defined in the process class, such as start events, message events, and message events in personal tasks.</p>
AP__BPM_CampoFormulario	<p>Create a record for each dictionary term, button, etc... included in a form or division (either IM, EM, TP, family form, contact role, etc.</p> <p>In those terms that correspond to a group of fields, a record is created for each term that it contains, whether or not they are marked or selected to be displayed or to be showed.</p> <p>It is possible to differentiate selected terms in a group of fields to show or to edit, if the <ZIndex> field has the value '0'.</p>

<p>AP__CamposTabla</p>	<p>It contains all the terms included in the processes' panels, in the contact role forms, and in families.</p> <p>The "NombreTabla" field in the table refers to the name of the table in which the values of each term are stored. This is useful in the event that there are different versions of the same classes of processes since a different panel is created for each version.</p>
<p>AP__BPM_TareasClases_Personal</p>	<p>It contains the different classes of personal tasks that have been included in the diagram of the classes of processes. The record is created when the "Save" button is clicked.</p> <p>For each record, in the "IdProcesoAsc" field, the number of the classes of processes of the corresponding version (the ID of the "AP__BPM_ProcesosClases" table) is saved.</p>
<p>AP__BPM_TareasSistClases</p>	<p>It contains the different classes of system tasks that have been included in the diagram of the classes of processes. The record is created after clicking on the "Save" button in the object.</p> <p>For each record, the "IdProcesoAsc" field, the number of the classes of processes of the corresponding version is saved (ID of the table "AP__BPM_ProcesosClases").</p>
<p>AP__DiccionarioGruposCampos</p>	<p>Contains the name of the group of fields. Create a record for each group of fields in the dictionary of terms.</p>
<p>AP__DiccionarioGruposCampos_Contenedores</p>	<p>Stores data from the defined containers in a group of fields. For each container, there is a record.</p>
<p>AP__BPM_ProcesosClases_Objetos</p>	<p>Contains the objects included in the classes of processes diagrams. For each object a record is created in this table. The record is created when pressing the "Save" button.</p>

AP__BPM_ObjetosClases_Condiciones	Saves the conditions set in the structured containers. Values are field "Elemento" = 52, and "IdElemento" = ID in the table "AP__DictionaryGruposCampos".
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The following table shows the data equivalence of fields in table when they are in an object's execution in a process.

Fields in execution table

AP__BPM_Procesos	<p>It contains the data of all executed processes. It generates a record for each executed process, creating a record for each one of them.</p> <p>The following types are saved:</p> <ul style="list-style-type: none"> • One line text • Multiple line text • Whole number • Decimal number • Date • Yes/No • Simple selection • Multiple selection <p>In the last two cases, the ID of the option given. ("Panel_ID", "Panel_ID_ID1", "Panel_ID_ID1_ID2" tables, to find the real value needed to search on the table "AP__Dictionary_Terms_Options", in which there is a record for each option defined in the creation of the simple or multiple selection type term.</p>
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Panel_ID	Contains the values of most panel terms outside of a group of fields in an already executed processes.
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Panel_ID_ID1	For multiple selection fields outside of a group of fields. Generates a record in the table, for each multiple selection option chosen in the form.
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Panel_ID_ID1	For fields in a group of fields. Contains the values of most of the terms in the panel located in a group of fields of an already executed processes.
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	<p>For each line entered in the group of fields, it creates a record where the data is saved.</p> <p>The following types are saved:</p> <ul style="list-style-type: none"> • One line text • Multiple line text • Whole number • Decimal number • Date • Yes/No • Simple selector <p>In the case of the simple selector, the option's ID is saved, in order to find its real value in the "AP_Dictionary_Terms_Options" table.</p>
Panel_ID_ID1_ID2	<p>For multiple selection fields in a group of fields. Creates a record in the table for each multiple selection option.</p>
Panel_ID_ID1_ID2	<p>For fields in an affiliated group of fields. For each line entered in the affiliated group of fields, it creates a record where its data is saved.</p>
Panel_ID_ID1_ID2_ID3	<p>For multiple selectors in an affiliated group of fields. It saves a record in the table for each multiple selection options chosen.</p> <p>These types are saved:</p> <ul style="list-style-type: none"> • One line text • Multiple line text • Whole number • Decimal number • Date • Yes/No • Simple selection <p>In the case of simple selectoion, the option ID is saved, and to find the real value we must consult the AP_Diccionario_Terminos_Opciones table</p>
AP__Enlaces	<p>For family fields and prefixes, in and out a group of fields. Contains the name selected in a form, family terms and prefixes.</p>

	<p>Generates a record for each chosen term.</p> <p>It is recommended to be related to the table "AP__CamposTabla".</p>
AP__BPM_TareaPersonal	<p>Contains all personal tasks that have been run. Saves a record for each executed task.</p>
AP__BPM_ProcesosObjetos_Historicos	<p>Contains the comment log data of a task, as long as it is not finished. When the task is finished ("Finish" button is clicked on the task), the stored data disappears from this table.</p>
AP__BPM_Procesos_Historicos	<p>Contains the comment log data of a process. Once the task is finished, the task comment log is part of the process's comment log.</p> <p>It contains the full text of the comment log from all the tasks in the process. When the task is finished, the "AP__BPM_ProcesosObjetos_Historicos.TextoHistorico" field is added to the one that already exists in "AP__BPM_Procesos_Historicos.Historico".</p>
AP__Diccionario_GrupoDeCampos	<p>Contains all the IDs of the terms included in a group of fields. These terms point to the "AP__DictionaryTGenerales" table. Keeps a record for each term included.</p>
AP__BPM_TraspasoContenedores	<p>Contains a notation for the source and another one for the destination.</p>
AP__BPM_TraspasoContenedores_Datos	<p>Contains all transferred records.</p>
AP__DocIntegratedStorage	<p>It stores the metadata of all the documents integrated in a process, family or contact role. It also creates a record for each document integrated in a class of process, family or contact role.</p>
AP__DocIntegratedDataStorage	<p>It stores the content of all the documents integrated into a process, family, or contact role. The content is saved in binary format. It creates a record for each document integrated in a class of processes, family or contact role.</p>

AP__BPM_Mensajes

Contains data from all start or intermediate messages events created. Saves a record for each message in "Estado" = Draft, created, processed, in process or canceled.

Relevant fields

The particular aspects of some fields are described, due to their relevance.

In processes and family tables

They are generally kept in most of the tables, which due to their importance deserve to be mentioned. For example, the ID, Created, Modified, etc.

Created

Date on which the record in the table was created. By default it saves "01/01/1900"

This date is in <dd/mm/yyyy hh:mm:ss> format and is saved as GMT.

TipoCreador

Type of the performer in the platform that created the existing record:

- 0 = Employee
- 1 = External
- 3 = Not user
- 4 = Not defined

IdCreador

Reference the field ID of an AuraQuantic employee user type (AP__EmpleadosFichas), who has created the new record, when TipoCreador is = '0', and the ID of the AP__Usuarios table, when TipoCreador is different from '0'.

New records, including messages and panels (Panel_ID, Panel_ID_ID1, Panel_ID_ID1_ID2 and Panel_ID_ID1_ID2_ID3), follow the procedure of recording the corresponding employee/user.

In the IdCreador field in the panels of classes of processes (Panel_ID, etc.), the ID of the employee/user that has the IdCreador field in the start message in the AP__BPM_Mensajes table, is saved. It saves the employee/user ID who created the start message.

Modified

Date on which the existing record was modified. By default it saves "01/01/1900"

This date is in <dd/mm/yyyy hh:mm:ss> format, it is saved as GMT.

TipoModificador

Type of the platform user who has modified the existing record:

- 0 = Employee
- 1 = External
- 3 = Not user
- 4 = Not defined

IdModificador

References the employee user ID (AP__EmpleadosFichas), who has modified the existing record when TipoModificador is '0', and the ID of the AP__Usuarios table if TipoModificador is different from '0'.

In the dictionary of fields

Here are some representative types of fields related to the dictionary of terms.

TipoCampo

The different values assigned to each type are listed below.

-10 = Not defined	14 = Multiple selector	29 = Family class (general terms, prefixes, group of fields)
0 = Text	15 = Adapter prefix	30 = Integrated tasks (general terms + group of fields)
1 = Multiple line text	16 = Role selector	31 = Internal selector (_Language field in contact roles)
2 = Options list	17 = Assigned selector	32 = Signature (documents signature, rich multiple line text shows an image)
3 = Date	18 = Short date	34 = User complements (IdLegal field for electronic Spanish DNI)
4 = Boolean	19 = Rich multiple line text	35 = Auto increment (Number group of fields lines)
5 = Whole number	20 = Dictionary	36 = Image
6 = Calculated	21 = Multi-register adapter	
7 = Family selector	23 = Solve identifier	
8 = Panel	25 = Multimedia	
9 = Hyperlink	26 = Generic search (sector, responsible...)	
10 = Document	27 = Configuration window (based on subtype)	
11 = Decimal number	28 = Links in families (tasks, integrated docs...)	
12 = Register list		
13 = Group of fields		

TipoTermino

The different values assigned to each type are listed below.

- 10 = Not defined
- 1 = Not applicable
- 1 = Prefix

- 2 = Suffix
- 3 = Loose field
- 5 = Key
- 6 = Group of fields
- 10 = Account roles
- 11 = Account for dynamic families
- 12 = Selection options

OrigenCampo

The different values assigned to each type are listed below.

- 0 = System field
- 1 = Link field
- 2 = Dictionary field
- 3 = User field
- 4 = Only read special field
- 5 = Edit special field
- 6 = Rule field
- 7 = Personal role field

FamiliaSeleccion

The different values assigned to each type are listed below.

- 1 = Documents
- 2 = Accounts
- 3 = Items
- 4 = Projects
- 6 = Rules
- 7 = Employees
- 8 = Processes
- 41 = Family of record
- 1 = Not defined

TipoSeleccion

The different values assigned to each type are listed below. Application on selector type fields.

- 0 = Unique (simple selector)
- 1 = Multiple

System fields

As a general rule, system fields are preceded by the symbol “_” in their name:

- _Language
- _SendEmail
- _LegalId
- _SecurityLevel
- _UserNature
- _Register Date and Time.
- _Register Date.
- _Register Modifier.

_Register modification Date.
_Register modification Date-Time.
_Numerator.
_Base Reference.
_Extended Reference.
_Start Message Creator.
_Process Start Date.
_List of Process References.
_List of Process Themes.
_Present Date.
_Present Date and Time.
_Process Responsible.
_Start Message ID.
_ElementID.
_BaseTableRegisterID.
_Register Creator.
_ExecutedScript.
_Register creation ProcessID.
_Origin Register ID.
_RegisterStatus.
_Register Origin ID.
_Register Origin Type.
_APUserType.
_UserID.
_OptionID.
_SignerEmployeeID.
_SignerUserType.
_SignerEmployeeName.
_SignatureDate.
_ProfileID.
_AccountID.
_ReceiverListId.



Relevant fields and tables in SQL

Environment

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