Sample Vault



Vault Configuration Documentation

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## Vault Overview

|  |  |
| --- | --- |
| Vault Name: | Sample Vault |
| Vault GUID: | {B48A27F9-F7FC-4641-A405-DE7FABA85EE2} |
| Vault Language: | eng |
| SQL Engine: | Firebird |
| Database Server: | localhost |

## Object Types

### Overview of Object Types

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name** | | **Name (plural)** | **Aliases** | **Owner** | **External** | **ID** |
|  | **Document** | Documents |  |  |  | 0 |
|  | **Document collection** | Document collections |  |  |  | 9 |
|  | **Assignment** | Assignments |  |  |  | 10 |
|  | **Report** | Reports |  |  |  | 15 |
|  | **Project** | Projects | MFiles.ObjectType.Project |  |  | 101 |
|  | **Customer** | Customers |  |  |  | 136 |
|  | **Contact person** | Contact persons |  | Customer |  | 149 |
|  | **Employee** | Employees |  |  |  | 156 |

### Document

#### Classes

##### Other Document

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Other Document class doesn't have a default workflow.

##### Purchase Invoice

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Document date | Date |  | X |  | 1002 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Objects in Purchase Invoice class are forced into the Reviewing and accepting purchase invoices workflow.

##### Contract or Agreement

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Agreement title | Text | X | X | X | 1144 |
| Agreement type | Lookup (Agreement types) |  | X |  | 1143 |
| Owner | Lookup (Employees) |  | X |  | 1141 |
| Document date | Date |  | X |  | 1002 |
| Effective through | Date |  |  |  | 1096 |
| Customer | MultiSelectLookup (Customers) |  | X |  | 1079 |
| Contact person | MultiSelectLookup (Contact persons) |  |  |  | 1081 |
| Project | MultiSelectLookup (Projects) |  |  |  | 1078 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Objects in Contract or Agreement class are, by default, placed into the Contract Approval Workflow workflow.

##### Proposal

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Proposal title | Text | X | X | X | 1102 |
| Document date | Date |  | X |  | 1002 |
| Customer | MultiSelectLookup (Customers) |  | X |  | 1079 |
| Project | MultiSelectLookup (Projects) |  |  |  | 1078 |
| Effective through | Date |  |  |  | 1096 |
| Accepted | Boolean |  |  |  | 1098 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |
| Proposal number | Integer | X | X |  | 1103 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Proposal class doesn't have a default workflow.

##### Memo

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Event date | Date |  |  |  | 1010 |
| Document date | Date |  |  |  | 1002 |
| Meeting type | MultiSelectLookup (Meeting types) |  |  |  | 1017 |
| Project | MultiSelectLookup (Projects) |  |  |  | 1078 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Memo class doesn't have a default workflow.

##### Other Administrative Document

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Automatic Permissions

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| Managers | read, edit, changepermissions, delete |  |
| Created by | read, edit, changepermissions, delete |  |

###### Workflow

Other Administrative Document class doesn't have a default workflow.

##### Price List

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Product or service | Text |  |  |  | 1040 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Price List class doesn't have a default workflow.

##### Operating Procedure

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Automatic Permissions

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| Managers | read, edit, changepermissions, delete |  |
| All internal users | read |  |

###### Workflow

Operating Procedure class doesn't have a default workflow.

##### Meeting Minutes

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Event date | Date |  |  |  | 1010 |
| Document date | Date |  |  |  | 1002 |
| Meeting type | MultiSelectLookup (Meeting types) |  |  |  | 1017 |
| Project | MultiSelectLookup (Projects) |  |  |  | 1078 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Meeting Minutes class doesn't have a default workflow.

##### Agenda

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Event date | Date |  |  |  | 1010 |
| Document date | Date |  |  |  | 1002 |
| Meeting type | MultiSelectLookup (Meeting types) |  |  |  | 1017 |
| Project | MultiSelectLookup (Projects) |  |  |  | 1078 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Agenda class doesn't have a default workflow.

##### Meeting Notice

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Event date | Date |  |  |  | 1010 |
| Document date | Date |  |  |  | 1002 |
| Meeting type | MultiSelectLookup (Meeting types) |  |  |  | 1017 |
| Project | MultiSelectLookup (Projects) |  |  |  | 1078 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Meeting Notice class doesn't have a default workflow.

##### Request for Proposal

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Document date | Date |  | X |  | 1002 |
| Customer | MultiSelectLookup (Customers) |  | X |  | 1079 |
| Project | MultiSelectLookup (Projects) |  |  |  | 1078 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Request for Proposal class doesn't have a default workflow.

##### Other Marketing Material

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Product or service | Text |  |  |  | 1040 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Other Marketing Material class doesn't have a default workflow.

##### Brochure or Ad

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Product or service | Text |  |  |  | 1040 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Brochure or Ad class doesn't have a default workflow.

##### Other HR Document

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Document date | Date |  |  |  | 1002 |
| Employee | MultiSelectLookup (Employees) |  |  |  | 1132 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Automatic Permissions

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| HR Department | read, edit, changepermissions, delete |  |
| Managers | read, edit, changepermissions, delete |  |
| Created by | read, edit, changepermissions, delete |  |

###### Workflow

Other HR Document class doesn't have a default workflow.

##### Order

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Document date | Date |  | X |  | 1002 |
| Customer | MultiSelectLookup (Customers) |  | X |  | 1079 |
| Project | MultiSelectLookup (Projects) |  |  |  | 1078 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Order class doesn't have a default workflow.

##### Confirmation of Order

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Document date | Date |  | X |  | 1002 |
| Customer | MultiSelectLookup (Customers) |  | X |  | 1079 |
| Project | MultiSelectLookup (Projects) |  |  |  | 1078 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Confirmation of Order class doesn't have a default workflow.

##### Proof of Employment

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Document date | Date |  |  |  | 1002 |
| Employee | MultiSelectLookup (Employees) |  |  |  | 1132 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Automatic Permissions

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| HR Department | read, edit, changepermissions, delete |  |
| Managers | read, edit, changepermissions, delete |  |
| Created by | read, edit, changepermissions, delete |  |

###### Workflow

Proof of Employment class doesn't have a default workflow.

##### Employment Agreement

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Employment agreement title | Text | X | X | X | 1104 |
| Document date | Date |  | X |  | 1002 |
| Employee | MultiSelectLookup (Employees) |  |  |  | 1132 |
| Effective through | Date |  |  |  | 1096 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Automatic Permissions

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| HR Department | read, edit, changepermissions, delete |  |
| Created by | read, edit, changepermissions, delete |  |
| Employee.M-Files user | read |  |
| Employee.Supervisor.M-Files user | read, edit |  |

###### Workflow

Employment Agreement class doesn't have a default workflow.

##### Notice of Layoff or Termination

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Document date | Date |  |  |  | 1002 |
| Employee | MultiSelectLookup (Employees) |  |  |  | 1132 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Automatic Permissions

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| HR Department | read, edit, changepermissions, delete |  |
| Managers | read, edit, changepermissions, delete |  |
| Created by | read, edit, changepermissions, delete |  |

###### Workflow

Notice of Layoff or Termination class doesn't have a default workflow.

##### Job Application or CV

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Job opening | MultiSelectLookup (Job openings) |  |  |  | 1091 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Automatic Permissions

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| HR Department | read, edit, changepermissions, delete |  |
| Managers | read, edit, changepermissions, delete |  |
| Created by | read, edit, changepermissions, delete |  |

###### Workflow

Objects in Job Application or CV class are, by default, placed into the Processing job applications workflow.

##### Statement

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Document date | Date |  |  |  | 1002 |
| Customer | MultiSelectLookup (Customers) |  |  |  | 1079 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Statement class doesn't have a default workflow.

##### Bulletin or Press Release

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Document date | Date |  |  |  | 1002 |
| Customer | MultiSelectLookup (Customers) |  |  |  | 1079 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Bulletin or Press Release class doesn't have a default workflow.

##### Message or Letter

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Document date | Date |  |  |  | 1002 |
| Customer | MultiSelectLookup (Customers) |  |  |  | 1079 |
| Contact person | MultiSelectLookup (Contact persons) |  |  |  | 1081 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Message or Letter class doesn't have a default workflow.

##### Financial Statement

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Document date | Date |  |  |  | 1002 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Automatic Permissions

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| Managers | read, edit, changepermissions, delete |  |
| Created by | read, edit, changepermissions, delete |  |

###### Workflow

Financial Statement class doesn't have a default workflow.

##### Document

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Document class doesn't have a default workflow.

##### Picture

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Customer | MultiSelectLookup (Customers) |  |  |  | 1079 |
| Project | MultiSelectLookup (Projects) |  |  |  | 1078 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Picture class doesn't have a default workflow.

##### Drawing

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Customer | MultiSelectLookup (Customers) |  |  |  | 1079 |
| Project | MultiSelectLookup (Projects) |  |  |  | 1078 |
| Drawing type | MultiSelectLookup (Drawing types) |  |  |  | 1100 |
| Document date | Date |  |  |  | 1002 |
| Revision number | Text |  |  |  | 1101 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Objects in Drawing class are, by default, placed into the Reviewing drawings workflow.

##### Sales Invoice

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Invoice title | Text | X | X | X | 1111 |
| Document date | Date |  | X |  | 1002 |
| Customer | MultiSelectLookup (Customers) |  | X |  | 1079 |
| Project | MultiSelectLookup (Projects) |  |  |  | 1078 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Sales Invoice class doesn't have a default workflow.

##### Project Plan

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Project | MultiSelectLookup (Projects) |  | X |  | 1078 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Project Plan class doesn't have a default workflow.

##### Report

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Project | MultiSelectLookup (Projects) |  |  |  | 1078 |
| Report type | Lookup (Report types) |  |  |  | 1140 |
| Document date | Date |  |  |  | 1002 |
| Keywords | Text |  |  |  | 1004 |
| Description | MultiLineText |  |  |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Report class doesn't have a default workflow.

##### Memo

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Description | MultiLineText |  | X |  | 1034 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Memo class doesn't have a default workflow.

### Assignment

#### Classes

##### Assignment

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Assignment description | MultiLineText |  |  |  | 41 |
| Assigned to | MultiSelectLookup (Users) |  | X |  | 44 |
| Marked as complete by | MultiSelectLookup (Users) |  |  |  | 45 |
| Deadline | Date |  |  |  | 42 |
| Monitored by | MultiSelectLookup (Users) |  |  |  | 43 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Assignment class doesn't have a default workflow.

### Report

#### Classes

##### Report

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Report URL | Text |  |  |  | 87 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Report class doesn't have a default workflow.

### Project

#### Classes

##### Internal Project

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Project manager | Lookup (Employees) |  |  |  | 1094 |
| In progress | Boolean |  | X |  | 1095 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Internal Project class doesn't have a default workflow.

##### Customer Project

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Customer | MultiSelectLookup (Customers) |  | X |  | 1079 |
| Contact person | MultiSelectLookup (Contact persons) |  |  |  | 1081 |
| Project manager | Lookup (Employees) |  |  |  | 1094 |
| In progress | Boolean |  | X |  | 1095 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Customer Project class doesn't have a default workflow.

### Customer

#### Classes

##### Customer

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Customer name | Text |  | X | X | 1110 |
| Address (line 1) | Text |  |  |  | 1073 |
| Address (line 2) | Text |  |  |  | 1082 |
| City | Text |  |  |  | 1088 |
| State/province | Text |  |  |  | 1089 |
| ZIP/postal code | Text |  |  |  | 1087 |
| Country | MultiSelectLookup (Countries) |  |  |  | 1090 |
| Telephone number | Text |  |  |  | 1085 |
| Web site | Text |  |  |  | 1086 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Customer class doesn't have a default workflow.

### Contact person

#### Classes

##### Contact Person

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Full name | Text | X | X | X | 1107 |
| First name | Text |  |  |  | 1105 |
| Last name | Text |  | X |  | 1106 |
| Job title | Text |  |  |  | 1092 |
| Telephone number | Text |  |  |  | 1085 |
| E-mail address | Text |  |  |  | 1060 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Contact Person class doesn't have a default workflow.

### Employee

#### Classes

##### Employee

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Employee name | Text |  | X | X | 1138 |
| Department | Lookup (Departments) |  |  |  | 1136 |
| Supervisor | Lookup (Employees) |  |  |  | 1133 |
| M-Files user | Lookup (Users) |  |  |  | 1134 |
| Is supervisor? | Boolean |  | X |  | 1137 |

###### Access Control

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal and external users | see, attachobjects |  |

###### Workflow

Employee class doesn't have a default workflow.

## Property Definitions

The system contains the following property definitions. Scripts related to the property definitions are presented in the appendices.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Validate** | **Read Access** | **Edit Access** | **ID** |
| Accepted | Boolean |  |  | All internal and external users | All internal and external users | 1098 |
| Accessed by me | Timestamp |  |  | All internal and external users | All internal and external users | 81 |
| Additional classes | Choose from Classes (multi-select) |  |  | All internal and external users | All internal and external users | 36 |
| Address (line 1) | Text |  |  | All internal and external users | All internal and external users | 1073 |
| Address (line 2) | Text |  |  | All internal and external users | All internal and external users | 1082 |
| Agreement title | Text | VBScript/Calc |  | All internal and external users | All internal and external users | 1144 |
| Agreement type | Choose from Agreement types |  |  | All internal and external users | All internal and external users | 1143 |
| Assigned to | Choose from Users (multi-select) |  |  | All internal and external users | All internal and external users | 44 |
| Assignment | Choose from Assignments (multi-select) |  |  | All internal and external users | All internal and external users | 1127 |
| Assignment description | MultiLineText |  |  | All internal and external users | All internal and external users | 41 |
| City | Text |  |  | All internal and external users | All internal and external users | 1088 |
| Class | Choose from Classes |  |  | All internal and external users | All internal and external users | 100 |
| Class groups | Choose from Class groups (multi-select) |  |  | All internal and external users | All internal and external users | 101 |
| Collection members (document collections) | Choose from Document collections (multi-select) |  |  | All internal and external users | All internal and external users | 47 |
| Collection members (documents) | Choose from Documents (multi-select) |  |  | All internal and external users | All internal and external users | 46 |
| Comment | MultiLineText |  |  | All internal and external users | All internal and external users | 33 |
| Conflict resolved | Timestamp |  |  | All internal and external users | All internal and external users | 96 |
| Contact person | Choose from Contact persons (multi-select) |  |  | All internal and external users | All internal and external users | 1081 |
| Country | Choose from Countries (multi-select) |  |  | All internal and external users | All internal and external users | 1090 |
| Created | Timestamp |  |  | All internal and external users | All internal and external users | 20 |
| Created by | Choose from Users |  |  | All internal and external users | All internal and external users | 25 |
| Created from external location | Choose from External sources |  |  | All internal and external users | All internal and external users | 35 |
| Customer | Choose from Customers (multi-select) |  |  | All internal and external users | All internal and external users | 1079 |
| Customer name | Text |  |  | All internal and external users | All internal and external users | 1110 |
| Deadline | Date |  |  | All internal and external users | All internal and external users | 42 |
| Deleted | Timestamp |  |  | All internal and external users | All internal and external users | 27 |
| Deleted by | Choose from Users |  |  | All internal and external users | All internal and external users | 28 |
| Deletion status changed | Timestamp |  |  | All internal and external users | All internal and external users | 93 |
| Department | Choose from Departments |  |  | All internal and external users | All internal and external users | 1136 |
| Description | MultiLineText |  |  | All internal and external users | All internal and external users | 1034 |
| Description2 | Text |  |  | All internal and external users | All internal and external users | 1153 |
| Description2 | Text |  |  | All internal and external users | All internal and external users | 1154 |
| Document | Choose from Documents (multi-select) |  |  | All internal and external users | All internal and external users | 1076 |
| Document collection | Choose from Document collections (multi-select) |  |  | All internal and external users | All internal and external users | 1077 |
| Document date | Date |  |  | All internal and external users | All internal and external users | 1002 |
| Drawing type | Choose from Drawing types (multi-select) |  |  | All internal and external users | All internal and external users | 1100 |
| Effective through | Date |  | X | All internal and external users | All internal and external users | 1096 |
| E-mail address | Text |  |  | All internal and external users | All internal and external users | 1060 |
| Employee | Choose from Employees (multi-select) |  |  | All internal and external users | All internal and external users | 1132 |
| Employee name | Text |  |  | All internal and external users | All internal and external users | 1138 |
| Employment agreement title | Text | Concatenation |  | All internal and external users | All internal and external users | 1104 |
| Event date | Date |  |  | All internal and external users | All internal and external users | 1010 |
| Favorite view | Integer |  |  | All internal and external users | All internal and external users | 82 |
| First name | Text |  |  | All internal and external users | All internal and external users | 1105 |
| Full name | Text | VBScript/Calc |  | All internal and external users | All internal and external users | 1107 |
| In progress | Boolean |  |  | All internal and external users | All internal and external users | 1095 |
| Invoice title | Text | Concatenation |  | All internal and external users | All internal and external users | 1111 |
| Is supervisor? | Boolean |  |  | All internal and external users | All internal and external users | 1137 |
| Is template | Boolean |  |  | All internal and external users | All internal and external users | 37 |
| Job opening | Choose from Job openings (multi-select) |  |  | All internal and external users | All internal and external users | 1091 |
| Job title | Text |  |  | All internal and external users | All internal and external users | 1092 |
| Keywords | Text |  |  | All internal and external users | All internal and external users | 1004 |
| Last modified | Timestamp |  |  | All internal and external users | All internal and external users | 21 |
| Last modified by | Choose from Users |  |  | All internal and external users | All internal and external users | 23 |
| Last name | Text |  |  | All internal and external users | All internal and external users | 1106 |
| Location | Choose from Sources |  |  | All internal and external users | All internal and external users | 103 |
| Marked as complete by | Choose from Users (multi-select) |  |  | All internal and external users | All internal and external users | 45 |
| Marked as rejected by | Choose from Users (multi-select) |  |  | All internal and external users | All internal and external users | 97 |
| Marked for archiving | Boolean |  |  | All internal and external users |  | 32 |
| Meeting type | Choose from Meeting types (multi-select) |  |  | All internal and external users | All internal and external users | 1017 |
| Message ID | Text |  |  | All internal and external users | All internal and external users | 83 |
| M-Files user | Choose from Users |  |  | All internal and external users | All internal and external users | 1134 |
| Monitored by | Choose from Users (multi-select) |  |  | All internal and external users | All internal and external users | 43 |
| Moved into current state | Timestamp |  |  | All internal and external users | All internal and external users | 40 |
| Name or title | Text |  |  | All internal and external users | All internal and external users | 0 |
| Object changed | Timestamp |  |  | All internal and external users | All internal and external users | 89 |
| Original path (1/3) | Text |  |  | All internal and external users | All internal and external users | 75 |
| Original path (2/3) | Text |  |  | All internal and external users | All internal and external users | 77 |
| Original path (3/3) | Text |  |  | All internal and external users | All internal and external users | 78 |
| Owner | Choose from Employees |  |  | All internal and external users | All internal and external users | 1141 |
| Owner (Agreement type) | Choose from Agreement types |  |  | All internal and external users | All internal and external users | 1142 |
| Owner (Assignment) | Choose from Assignments |  |  | All internal and external users | All internal and external users | 1126 |
| Owner (Class group) | Choose from Class groups |  |  | All internal and external users | All internal and external users | 1119 |
| Owner (Class) | Choose from Classes |  |  | All internal and external users | All internal and external users | 1113 |
| Owner (Contact person) | Choose from Contact persons |  |  | All internal and external users | All internal and external users | 1059 |
| Owner (Country) | Choose from Countries |  |  | All internal and external users | All internal and external users | 1114 |
| Owner (Customer) | Choose from Customers |  |  | All internal and external users | All internal and external users | 1058 |
| Owner (Department) | Choose from Departments |  |  | All internal and external users | All internal and external users | 1135 |
| Owner (Document collection) | Choose from Document collections |  |  | All internal and external users | All internal and external users | 1057 |
| Owner (Document) | Choose from Documents |  |  | All internal and external users | All internal and external users | 1056 |
| Owner (Drawing type) | Choose from Drawing types |  |  | All internal and external users | All internal and external users | 1125 |
| Owner (Employee) | Choose from Employees |  |  | All internal and external users | All internal and external users | 1117 |
| Owner (External source) | Choose from External sources |  |  | All internal and external users | All internal and external users | 1122 |
| Owner (Job opening) | Choose from Job openings |  |  | All internal and external users | All internal and external users | 1115 |
| Owner (Meeting type) | Choose from Meeting types |  |  | All internal and external users | All internal and external users | 1118 |
| Owner (Project) | Choose from Projects |  |  | All internal and external users | All internal and external users | 1063 |
| Owner (Report type) | Choose from Report types |  |  | All internal and external users | All internal and external users | 1139 |
| Owner (Report) | Choose from Reports |  |  | All internal and external users | All internal and external users | 1129 |
| Owner (Source) | Choose from Sources |  |  | All internal and external users | All internal and external users | 1146 |
| Owner (State transition) | Choose from State transitions |  |  | All internal and external users | All internal and external users | 1145 |
| Owner (State) | Choose from Workflow States |  |  | All internal and external users | All internal and external users | 1124 |
| Owner (Traditional folder) | Choose from Traditional folders |  |  | All internal and external users | All internal and external users | 1121 |
| Owner (User group) | Choose from User groups |  |  | All internal and external users | All internal and external users | 1131 |
| Owner (User) | Choose from Users |  |  | All internal and external users | All internal and external users | 1116 |
| Owner (Version label) | Choose from Version labels |  |  | All internal and external users | All internal and external users | 1120 |
| Owner (Workflow) | Choose from Workflows |  |  | All internal and external users | All internal and external users | 1123 |
| Permissions changed | Timestamp |  |  | All internal and external users | All internal and external users | 90 |
| Product or service | Text |  |  | All internal and external users | All internal and external users | 1040 |
| Project | Choose from Projects (multi-select) |  |  | All internal and external users | All internal and external users | 1078 |
| Project manager | Choose from Employees |  |  | All internal and external users | All internal and external users | 1094 |
| Proposal number | Integer | Simple Num |  | All internal and external users | All internal and external users | 1103 |
| Proposal title | Text | Concatenation |  | All internal and external users | All internal and external users | 1102 |
| Reference | Choose from Documents (multi-select) |  |  | All internal and external users | All internal and external users | 76 |
| Remote vault GUID | Text |  |  | All internal and external users | All internal and external users | 94 |
| Reply to | Choose from Documents (multi-select) |  |  | All internal and external users | All internal and external users | 85 |
| Reply to (ID) | Text |  |  | All internal and external users | All internal and external users | 84 |
| Report | Choose from Reports (multi-select) |  |  | All internal and external users | All internal and external users | 1130 |
| Report placement | Integer |  |  | All internal and external users | All internal and external users | 88 |
| Report type | Choose from Report types |  |  | All internal and external users | All internal and external users | 1140 |
| Report URL | Text |  |  | All internal and external users | All internal and external users | 87 |
| Repository | Choose from Sources |  |  | All internal and external users | All internal and external users | 102 |
| Revision number | Text |  |  | All internal and external users | All internal and external users | 1101 |
| Signature manifestation | MultiLineText |  |  | All internal and external users |  | 86 |
| Single file | Boolean |  |  | All internal and external users | All internal and external users | 22 |
| Size on server (all versions) | Integer |  |  | All internal and external users | All internal and external users | 31 |
| Size on server (this version) | Integer |  |  | All internal and external users | All internal and external users | 30 |
| State/province | Text |  |  | All internal and external users | All internal and external users | 1089 |
| Status changed | Timestamp |  |  | All internal and external users | All internal and external users | 24 |
| Supervisor | Choose from Employees where Is supervisor? = true |  |  | All internal and external users | All internal and external users | 1133 |
| Telephone number | Text |  |  | All internal and external users | All internal and external users | 1085 |
| Traditional folder | Choose from Traditional folders (multi-select) |  |  | All internal and external users | All internal and external users | 34 |
| Version comment changed | Timestamp |  |  | All internal and external users | All internal and external users | 92 |
| Version label | Choose from Version labels (multi-select) |  |  | All internal and external users | All internal and external users | 29 |
| Version label changed | Timestamp |  |  | All internal and external users | All internal and external users | 91 |
| Web site | Text |  |  | All internal and external users | All internal and external users | 1086 |
| Workflow | Choose from Workflows |  |  | All internal and external users | All internal and external users | 38 |
| Workflow Assignment | Choose from Assignments (multi-select) |  |  | All internal and external users | All internal and external users | 79 |
| Workflow State | Choose from Workflow States |  |  | All internal and external users | All internal and external users | 39 |
| ZIP/postal code | Text |  |  | All internal and external users | All internal and external users | 1087 |

## Workflows

Workflows model the real world processes. The system contains the following workflows.

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Aliases** | **Tied to class** | **ID** |
| Reviewing and accepting purchase invoices |  | Purchase Invoice | 102 |
| Processing job applications |  |  | 105 |
| Reviewing drawings |  | Drawing | 106 |
| Contract Approval Workflow |  |  | 107 |

### Reviewing and accepting purchase invoices

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **State** | | **Actions** | | | | | | | **ID** |
| **Delete** | **Permissions** | **Assignment** | **Notification** | **Set Properties** | **Convert to PDF** | **Script** |
|  | **Received, awaiting checking** |  | X | X |  |  |  |  | 108 |
|  | **Checked, awaiting approval** |  |  | X |  |  |  |  | 109 |
|  | **Approved** |  |  | X |  |  |  |  | 110 |
|  | **Paid** |  |  |  |  |  |  |  | 112 |
|  | **Rejected** |  |  |  |  |  |  |  | 111 |

Workflow visibility:

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal users | see |  |

#### Received, awaiting checking

State ID: 108

The invoice has been stored in the system and is awaiting checking.

The document is assigned to the following users or user groups:

* with the following assignment description:

A new invoice is awaiting checking.

The following permissions are set:

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| Managers | read, edit, changepermissions, delete |  |

#### Checked, awaiting approval

State ID: 109

The invoice has been checked and is now awaiting final approval.

The document is assigned to the following users or user groups:

* Managers

with the following assignment description:

A new invoice is awaiting approval.

#### Approved

State ID: 110

The document is assigned to the following users or user groups:

* with the following assignment description:

An invoice has been approved and is awaiting payment.

#### Paid

State ID: 112

#### Rejected

State ID: 111

#### State transitions for Reviewing and accepting purchase invoices

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **From State** | **To State** | **Name** | **Allowed To** | **Signature** | **Trigger** |
| (no state) | Received, awaiting checking |  | All internal users |  |  |
| Received, awaiting checking | Checked, awaiting approval |  | All internal users |  |  |
| Checked, awaiting approval | Approved |  | Managers |  |  |
| Approved | Paid |  | Managers Kimberley Miller |  |  |
| Received, awaiting checking | Rejected |  | All internal users |  |  |
| Checked, awaiting approval | Rejected |  | Managers |  |  |
| Approved | Rejected |  | Managers |  |  |

### Processing job applications

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **State** | | **Actions** | | | | | | | **ID** |
| **Delete** | **Permissions** | **Assignment** | **Notification** | **Set Properties** | **Convert to PDF** | **Script** |
|  | **Job application received, awaiting review** |  |  |  |  |  |  |  | 128 |
|  | **Applicant selected for interview** |  |  |  |  |  |  |  | 129 |
|  | **Interview scheduled** |  |  |  |  |  |  |  | 130 |
|  | **Interview held** |  |  |  |  |  |  |  | 131 |
|  | **Applicant proposed for hiring** |  |  |  |  |  |  |  | 132 |
|  | **Applicant not selected** |  |  |  |  |  |  |  | 133 |
|  | **Applicant withdrew** |  |  |  |  |  |  |  | 134 |

Workflow visibility:

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal users | see |  |

#### Job application received, awaiting review

State ID: 128

#### Applicant selected for interview

State ID: 129

#### Interview scheduled

State ID: 130

#### Interview held

State ID: 131

#### Applicant proposed for hiring

State ID: 132

#### Applicant not selected

State ID: 133

#### Applicant withdrew

State ID: 134

#### State transitions for Processing job applications

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **From State** | **To State** | **Name** | **Allowed To** | **Signature** | **Trigger** |
| (no state) | Job application received, awaiting review |  | All internal users |  |  |
| Job application received, awaiting review | Applicant selected for interview |  | All internal users |  |  |
| Interview held | Applicant proposed for hiring |  | All internal users |  |  |
| Job application received, awaiting review | Applicant not selected |  | All internal users |  |  |
| Applicant selected for interview | Applicant not selected |  | All internal users |  |  |
| Interview held | Applicant not selected |  | All internal users |  |  |
| Job application received, awaiting review | Applicant withdrew |  | All internal users |  |  |
| Applicant selected for interview | Applicant withdrew |  | All internal users |  |  |
| Interview held | Applicant withdrew |  | All internal users |  |  |
| Applicant proposed for hiring | Applicant withdrew |  | All internal users |  |  |
| Applicant selected for interview | Interview scheduled |  | All internal users |  |  |
| Interview scheduled | Interview held |  | All internal users |  |  |
| Interview scheduled | Applicant not selected |  | All internal users |  |  |
| Interview scheduled | Applicant withdrew |  | All internal users |  |  |

### Reviewing drawings

Any drawings submitted need to be approved.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **State** | | **Actions** | | | | | | | **ID** |
| **Delete** | **Permissions** | **Assignment** | **Notification** | **Set Properties** | **Convert to PDF** | **Script** |
|  | **Listed for approval** |  |  |  |  |  |  |  | 135 |
|  | **Approved** |  |  |  |  |  |  |  | 136 |

Workflow visibility:

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal users | see |  |

#### Listed for approval

State ID: 135

#### Approved

State ID: 136

#### State transitions for Reviewing drawings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **From State** | **To State** | **Name** | **Allowed To** | **Signature** | **Trigger** |
| (no state) | Listed for approval |  | All internal users |  |  |
| Listed for approval | Approved |  | All internal users |  |  |
| Approved | Listed for approval |  | All internal users |  |  |

### Contract Approval Workflow

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **State** | | **Actions** | | | | | | | **ID** |
| **Delete** | **Permissions** | **Assignment** | **Notification** | **Set Properties** | **Convert to PDF** | **Script** |
|  | **Draft** |  | X |  |  |  |  |  | 137 |
|  | **Waiting for Approval** |  | X | X |  |  |  |  | 138 |
|  | **Approved** |  | X |  | X |  | X |  | 139 |
|  | **Expired** |  | X |  | X |  |  |  | 140 |
|  | **Rejected** |  | X |  | X |  |  |  | 141 |

Workflow visibility:

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal users | see |  |

#### Draft

State ID: 137

The following permissions are set:

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| Created by | read, edit, changepermissions, delete |  |

#### Waiting for Approval

State ID: 138

The following criteria must be fulfilled before entering the state: M-Files user is not empty

The document is assigned to the following users or user groups:

* Owner.M-Files user

with the following assignment description:

A new contract is awaiting approval.

The following permissions are set:

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| Created by | read, edit, changepermissions, delete |  |
| Owner.M-Files user | read, edit, changepermissions, delete |  |

#### Approved

State ID: 139

A notification is sent via email to the following users or user groups:

* Created by

with the following content:

Subject: %OBJTITLE% approved  
Body: [%OBJTITLE%](%MFILESURL%) has been approved by %CAUSEDBY% in M-Files.

The following permissions are set:

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal users | read |  |
| Created by | read, edit, changepermissions, delete |  |
| Owner.M-Files user | read, edit, changepermissions, delete |  |

#### Expired

State ID: 140

A notification is sent via email to the following users or user groups:

* Created by

with the following content:

Subject: %OBJTITLE% approved  
Body:

The following permissions are set:

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal users | read |  |
| Created by | read, edit, changepermissions, delete |  |

#### Rejected

State ID: 141

A notification is sent via email to the following users or user groups:

* Created by

with the following content:

Subject: %OBJTITLE% rejected  
Body: [%OBJTITLE%](%MFILESURL%) has been rejected by %CAUSEDBY% in M-Files.

The following permissions are set:

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal users | read |  |
| Created by | read, edit, changepermissions, delete |  |
| Owner.M-Files user | read, edit, changepermissions, delete |  |

#### State transitions for Contract Approval Workflow

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **From State** | **To State** | **Name** | **Allowed To** | **Signature** | **Trigger** |
| (no state) | Draft |  | All internal users |  |  |
| Draft | Rejected |  | All internal users |  |  |
| Rejected | Draft |  | All internal users |  |  |
| Expired | Draft |  | All internal users |  |  |
| Expired | Rejected |  | All internal users |  |  |
| Draft | Waiting for Approval |  | All internal users |  |  |
| Waiting for Approval | Rejected |  | Owner.M-Files user |  |  |
| Waiting for Approval | Approved |  | Owner.M-Files user |  |  |
| Approved | Draft |  | All internal users |  |  |
| Approved | Rejected |  | All internal users |  |  |
| Approved | Expired |  |  |  | Criteria fulfilled: DaysTo( Effective through ) < 0 |

## Named Access Control Lists

Named access control lists are predefined lists of access control definitions. The system contains the following named access control lists.

|  |  |  |
| --- | --- | --- |
| **Name** | **Aliases** | **ID** |
| Visible to company management only |  | 1 |
| Visible to HR department and creator only |  | 2 |
| Visible to company management and creator only |  | 9 |
| Full control for all internal users |  | -1 |
| Only for me |  | -20 |
| Operating Procedure |  | 10 |
| Employment Agreement |  | 11 |

#### Visible to company management only

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| Managers | read, edit, changepermissions, delete |  |

#### Visible to HR department and creator only

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| HR Department | read, edit, changepermissions, delete |  |
| Managers | read, edit, changepermissions, delete |  |
| Created by | read, edit, changepermissions, delete |  |

#### Visible to company management and creator only

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| Managers | read, edit, changepermissions, delete |  |
| Created by | read, edit, changepermissions, delete |  |

#### Full control for all internal users

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| All internal users | read, edit, changepermissions, delete |  |

#### Only for me

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| (current user) | read, edit, changepermissions, delete |  |

#### Operating Procedure

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| Managers | read, edit, changepermissions, delete |  |
| All internal users | read |  |

#### Employment Agreement

|  |  |  |
| --- | --- | --- |
| **User or User Group** | **Allowed** | **Denied** |
| HR Department | read, edit, changepermissions, delete |  |
| Created by | read, edit, changepermissions, delete |  |
| Employee.M-Files user | read |  |
| Employee.Supervisor.M-Files user | read, edit |  |

## Value Lists

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name** | | **Name (plural)** | **Aliases** | **Owner** | **External** | **ID** |
|  | **Meeting type** | Meeting types |  |  |  | 104 |
|  | **Country** | Countries |  |  |  | 154 |
|  | **Job opening** | Job openings |  |  |  | 155 |
|  | **Drawing type** | Drawing types |  |  |  | 157 |
|  | **Department** | Departments |  |  |  | 158 |
|  | **Report type** | Report types |  |  |  | 159 |
|  | **Agreement type** | Agreement types |  |  |  | 160 |

## User Groups

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Aliases** | **External** | **New User License** | **Sync** | **ID** |
| All internal users |  |  |  |  | 1 |
| Managers |  |  |  |  | 102 |
| All internal and external users |  |  |  |  | 2 |
| HR Department |  |  |  |  | 107 |

## Event Handlers

This chapter contains an overview of all event handlers in the system. The actual scripts are presented in the appendices, except for QMS/Compliance Kit event handlers. QMS/Compliance Kit event handlers are maintained by the application, so they are not considered as configuration.

|  |  |
| --- | --- |
| **Name** | **Type** |
| SampleVaultApplication.MFEventHandlerBeforeCheckInChangesFinalize | BeforeCheckInChangesFinalize |
| GeONE.LAB.MFiles.CleanArchitecture.Reference.VaultApplication.MFEventHandlerBeforeCheckInChangesFinalize | BeforeCheckInChangesFinalize |
| SampleVaultApplication.MFEventHandlerVaultExtensionMethod | VaultExtensionMethod |
| GeONE.LAB.MFiles.CleanArchitecture.Reference.VaultApplication.MFEventHandlerVaultExtensionMethod | VaultExtensionMethod |

## Appendices

### Value List Items

#### Meeting types

Value list ID: 104

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | | **Owner** | **ID** |
|  | **Board meeting** |  | 1 |
|  | **General meeting** |  | 2 |
|  | **Marketing meeting** |  | 6 |
|  | **Other meeting** |  | 8 |
|  | **Project meeting** |  | 3 |
|  | **Staff meeting** |  | 7 |

#### Countries

Value list ID: 154

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | | **Owner** | **ID** |
|  | **Canada** |  | 2 |
|  | **China** |  | 6 |
|  | **France** |  | 5 |
|  | **Germany** |  | 4 |
|  | **United Kingdom** |  | 3 |
|  | **USA** |  | 1 |

#### Job openings

Value list ID: 155

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | | **Owner** | **ID** |
|  | **Sales Assistant / November 2004** |  | 1 |
|  | **Software Engineer / March 2007** |  | 2 |
|  | **Software Engineer / May 2005** |  | 3 |

#### Drawing types

Value list ID: 157

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | | **Owner** | **ID** |
|  | **Architectural** |  | 1 |
|  | **Electrical** |  | 2 |
|  | **Mechanical** |  | 3 |
|  | **Services** |  | 5 |
|  | **Structural** |  | 4 |

#### Departments

Value list ID: 158

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | | **Owner** | **ID** |
|  | **Administration** |  | 2 |
|  | **IT** |  | 6 |
|  | **IT** |  | 7 |
|  | **IT** |  | 8 |
|  | **Marketing** |  | 4 |
|  | **Production** |  | 3 |
|  | **Sales** |  | 1 |

#### Report types

Value list ID: 159

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | | **Owner** | **ID** |
|  | **Audit Report** |  | 1 |
|  | **Progress Report** |  | 3 |
|  | **Risk Analysis** |  | 2 |

#### Agreement types

Value list ID: 160

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | | **Owner** | **ID** |
|  | **Non-disclosure Agreement** |  | 1 |
|  | **Project Agreement** |  | 2 |
|  | **Reseller Agreement** |  | 4 |
|  | **Subcontracting Agreement** |  | 3 |

### Event Handlers

#### SampleVaultApplication.MFEventHandlerVaultExtensionMethod - VaultExtensionMethod

' Turn typelib constants loading off.   
' MFILESAPI\_CONSTANTS\_OFF   
  
'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
'   
'    M-Files Vault Application Event Handler Script.   
'    Transfers the event handling to compiled vault application assembly.   
'   
'    DO NOT MODIFY!   
'   
'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
  
' Initialize the event handler entry point   
Set extension = GetExtensionObject("SampleVaultApplication", "45472745-9d80-4b42-b092-463f3c38b6f1")   
  
' Initialize a new Script Environment   
Set oEnv = extension.NewEnvironment()   
Call SetupEnvironment(oEnv)   
  
  
' Trigger the handler   
Set oResult = extension.Run(oEnv)   
If oResult.ScriptCancelled Then   
    Err.Raise MFScriptCancel, oResult.Message   
End If   
  
' Pass on any return value.   
Call SetReturnValue(oResult)   
  
  
' =========================================   
'   
'    SetupEnvironment   
'   
'  Transfers all script variables to the environment object.   
' =========================================   
Sub SetupEnvironment(byRef oEnvironment)   
  
    ' IGNORE ERRORS   
    ' (they should only come frome trying to set variables that don't   
    ' exist in this script type, which is expected)   
    On Error Resume Next   
  
    ' Copy all possible auto-set script variables to our ScriptEnvironment object   
  
    ' Primitives   
    oEnvironment.Type = 35   
    oEnvironment.CurrentUserID = CurrentUserID.Value   
    oEnvironment.DisplayID = DisplayID.Value   
    oEnvironment.LoggedOutUserID = LoggedOutUserID.Value   
    oEnvironment.Input = Input.Value   
    oEnvironment.FileTransferSession = FileTransferSession.Value   
    oEnvironment.IsCancellable = IsCancellable.Value   
  
    'Complex   
    Set oEnvironment.FileVer = FileVer   
    Set oEnvironment.LoginAccount = LoginAccount   
    Set oEnvironment.ObjectAccessControlList = ObjectAccessControlList   
    Set oEnvironment.ObjVer = ObjVer   
    Set oEnvironment.PropertyValues = PropertyValues   
    Set oEnvironment.ValueListItem = ValueListItem   
    Set oEnvironment.Vault = Vault   
    Set oEnvironment.VaultSharedVariables = VaultSharedVariables   
    Set oEnvironment.UserAccount = UserAccount   
    Set oEnvironment.UserGroupAdmin = UserGroupAdmin   
    Set oEnvironment.CurrentTransactionID = CurrentTransactionID   
    Set oEnvironment.ParentTransactionID = ParentTransactionID   
    Set oEnvironment.MasterTransactionID = MasterTransactionID   
    Set oEnvironment.ActivityID = ActivityID   
    Set oEnvironment.TransactionCache = TransactionCache   
    Set oEnvironment.View = View   
    If IsEmpty( CurrentUserSessionInfo ) Then   
        Set oEnvironment.CurrentUserSessionInfo = Null   
    Else   
        Set oEnvironment.CurrentUserSessionInfo = CurrentUserSessionInfo   
    End If   
  
End Sub   
  
  
' =========================================   
'   
'    SetReturnValue   
'   
' =========================================   
Sub SetReturnValue(byRef oResult)   
  
    ' IGNORE ERRORS   
    ' (they should only come frome trying to set variables that don't   
    ' exist in this script type, which is expected)   
    On Error Resume Next   
  
    Output = oResult.VaultExtensionMethodOutput   
End Sub

#### GeONE.LAB.MFiles.CleanArchitecture.Reference.VaultApplication.MFEventHandlerVaultExtensionMethod - VaultExtensionMethod

' Turn typelib constants loading off.   
' MFILESAPI\_CONSTANTS\_OFF   
  
'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
'   
'    M-Files Vault Application Event Handler Script.   
'    Transfers the event handling to compiled vault application assembly.   
'   
'    DO NOT MODIFY!   
'   
'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
  
' Initialize the event handler entry point   
Set extension = GetExtensionObject("GeONE.LAB.MFiles.CleanArchitecture.Reference.VaultApplication", "b0f1fc4b-a17e-4f78-a9f9-063e2093b5e9")   
  
' Initialize a new Script Environment   
Set oEnv = extension.NewEnvironment()   
Call SetupEnvironment(oEnv)   
  
  
' Trigger the handler   
Set oResult = extension.Run(oEnv)   
If oResult.ScriptCancelled Then   
    Err.Raise MFScriptCancel, oResult.Message   
End If   
  
' Pass on any return value.   
Call SetReturnValue(oResult)   
  
  
' =========================================   
'   
'    SetupEnvironment   
'   
'  Transfers all script variables to the environment object.   
' =========================================   
Sub SetupEnvironment(byRef oEnvironment)   
  
    ' IGNORE ERRORS   
    ' (they should only come frome trying to set variables that don't   
    ' exist in this script type, which is expected)   
    On Error Resume Next   
  
    ' Copy all possible auto-set script variables to our ScriptEnvironment object   
  
    ' Primitives   
    oEnvironment.Type = 35   
    oEnvironment.CurrentUserID = CurrentUserID.Value   
    oEnvironment.DisplayID = DisplayID.Value   
    oEnvironment.LoggedOutUserID = LoggedOutUserID.Value   
    oEnvironment.Input = Input.Value   
    oEnvironment.FileTransferSession = FileTransferSession.Value   
    oEnvironment.IsCancellable = IsCancellable.Value   
  
    'Complex   
    Set oEnvironment.FileVer = FileVer   
    Set oEnvironment.LoginAccount = LoginAccount   
    Set oEnvironment.ObjectAccessControlList = ObjectAccessControlList   
    Set oEnvironment.ObjVer = ObjVer   
    Set oEnvironment.PropertyValues = PropertyValues   
    Set oEnvironment.ValueListItem = ValueListItem   
    Set oEnvironment.Vault = Vault   
    Set oEnvironment.VaultSharedVariables = VaultSharedVariables   
    Set oEnvironment.UserAccount = UserAccount   
    Set oEnvironment.UserGroupAdmin = UserGroupAdmin   
    Set oEnvironment.CurrentTransactionID = CurrentTransactionID   
    Set oEnvironment.ParentTransactionID = ParentTransactionID   
    Set oEnvironment.MasterTransactionID = MasterTransactionID   
    Set oEnvironment.ActivityID = ActivityID   
    Set oEnvironment.TransactionCache = TransactionCache   
    Set oEnvironment.View = View   
    If IsEmpty( CurrentUserSessionInfo ) Then   
        Set oEnvironment.CurrentUserSessionInfo = Null   
    Else   
        Set oEnvironment.CurrentUserSessionInfo = CurrentUserSessionInfo   
    End If   
  
End Sub   
  
  
' =========================================   
'   
'    SetReturnValue   
'   
' =========================================   
Sub SetReturnValue(byRef oResult)   
  
    ' IGNORE ERRORS   
    ' (they should only come frome trying to set variables that don't   
    ' exist in this script type, which is expected)   
    On Error Resume Next   
  
    Output = oResult.VaultExtensionMethodOutput   
End Sub

#### SampleVaultApplication.MFEventHandlerBeforeCheckInChangesFinalize - BeforeCheckInChangesFinalize

' Turn typelib constants loading off.   
' MFILESAPI\_CONSTANTS\_OFF   
  
'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
'   
'    M-Files Vault Application Event Handler Script.   
'    Transfers the event handling to compiled vault application assembly.   
'   
'    DO NOT MODIFY!   
'   
'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
  
' Initialize the event handler entry point   
Set extension = GetExtensionObject("SampleVaultApplication", "45472745-9d80-4b42-b092-463f3c38b6f1")   
  
' Initialize a new Script Environment   
Set oEnv = extension.NewEnvironment()   
Call SetupEnvironment(oEnv)   
  
  
' Trigger the handler   
Set oResult = extension.Run(oEnv)   
If oResult.ScriptCancelled Then   
    Err.Raise MFScriptCancel, oResult.Message   
End If   
  
' Pass on any return value.   
Call SetReturnValue(oResult)   
  
  
' =========================================   
'   
'    SetupEnvironment   
'   
'  Transfers all script variables to the environment object.   
' =========================================   
Sub SetupEnvironment(byRef oEnvironment)   
  
    ' IGNORE ERRORS   
    ' (they should only come frome trying to set variables that don't   
    ' exist in this script type, which is expected)   
    On Error Resume Next   
  
    ' Copy all possible auto-set script variables to our ScriptEnvironment object   
  
    ' Primitives   
    oEnvironment.Type = 67   
    oEnvironment.CurrentUserID = CurrentUserID.Value   
    oEnvironment.DisplayID = DisplayID.Value   
    oEnvironment.LoggedOutUserID = LoggedOutUserID.Value   
    oEnvironment.Input = Input.Value   
    oEnvironment.FileTransferSession = FileTransferSession.Value   
    oEnvironment.IsCancellable = IsCancellable.Value   
  
    'Complex   
    Set oEnvironment.FileVer = FileVer   
    Set oEnvironment.LoginAccount = LoginAccount   
    Set oEnvironment.ObjectAccessControlList = ObjectAccessControlList   
    Set oEnvironment.ObjVer = ObjVer   
    Set oEnvironment.PropertyValues = PropertyValues   
    Set oEnvironment.ValueListItem = ValueListItem   
    Set oEnvironment.Vault = Vault   
    Set oEnvironment.VaultSharedVariables = VaultSharedVariables   
    Set oEnvironment.UserAccount = UserAccount   
    Set oEnvironment.UserGroupAdmin = UserGroupAdmin   
    Set oEnvironment.CurrentTransactionID = CurrentTransactionID   
    Set oEnvironment.ParentTransactionID = ParentTransactionID   
    Set oEnvironment.MasterTransactionID = MasterTransactionID   
    Set oEnvironment.ActivityID = ActivityID   
    Set oEnvironment.TransactionCache = TransactionCache   
    Set oEnvironment.View = View   
    If IsEmpty( CurrentUserSessionInfo ) Then   
        Set oEnvironment.CurrentUserSessionInfo = Null   
    Else   
        Set oEnvironment.CurrentUserSessionInfo = CurrentUserSessionInfo   
    End If   
  
End Sub   
  
  
' =========================================   
'   
'    SetReturnValue   
'   
' =========================================   
Sub SetReturnValue(byRef oResult)   
  
    ' IGNORE ERRORS   
    ' (they should only come frome trying to set variables that don't   
    ' exist in this script type, which is expected)   
    On Error Resume Next   
  
    Output = oResult.VaultExtensionMethodOutput   
End Sub

#### GeONE.LAB.MFiles.CleanArchitecture.Reference.VaultApplication.MFEventHandlerBeforeCheckInChangesFinalize - BeforeCheckInChangesFinalize

' Turn typelib constants loading off.   
' MFILESAPI\_CONSTANTS\_OFF   
  
'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
'   
'    M-Files Vault Application Event Handler Script.   
'    Transfers the event handling to compiled vault application assembly.   
'   
'    DO NOT MODIFY!   
'   
'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
  
' Initialize the event handler entry point   
Set extension = GetExtensionObject("GeONE.LAB.MFiles.CleanArchitecture.Reference.VaultApplication", "b0f1fc4b-a17e-4f78-a9f9-063e2093b5e9")   
  
' Initialize a new Script Environment   
Set oEnv = extension.NewEnvironment()   
Call SetupEnvironment(oEnv)   
  
  
' Trigger the handler   
Set oResult = extension.Run(oEnv)   
If oResult.ScriptCancelled Then   
    Err.Raise MFScriptCancel, oResult.Message   
End If   
  
' Pass on any return value.   
Call SetReturnValue(oResult)   
  
  
' =========================================   
'   
'    SetupEnvironment   
'   
'  Transfers all script variables to the environment object.   
' =========================================   
Sub SetupEnvironment(byRef oEnvironment)   
  
    ' IGNORE ERRORS   
    ' (they should only come frome trying to set variables that don't   
    ' exist in this script type, which is expected)   
    On Error Resume Next   
  
    ' Copy all possible auto-set script variables to our ScriptEnvironment object   
  
    ' Primitives   
    oEnvironment.Type = 67   
    oEnvironment.CurrentUserID = CurrentUserID.Value   
    oEnvironment.DisplayID = DisplayID.Value   
    oEnvironment.LoggedOutUserID = LoggedOutUserID.Value   
    oEnvironment.Input = Input.Value   
    oEnvironment.FileTransferSession = FileTransferSession.Value   
    oEnvironment.IsCancellable = IsCancellable.Value   
  
    'Complex   
    Set oEnvironment.FileVer = FileVer   
    Set oEnvironment.LoginAccount = LoginAccount   
    Set oEnvironment.ObjectAccessControlList = ObjectAccessControlList   
    Set oEnvironment.ObjVer = ObjVer   
    Set oEnvironment.PropertyValues = PropertyValues   
    Set oEnvironment.ValueListItem = ValueListItem   
    Set oEnvironment.Vault = Vault   
    Set oEnvironment.VaultSharedVariables = VaultSharedVariables   
    Set oEnvironment.UserAccount = UserAccount   
    Set oEnvironment.UserGroupAdmin = UserGroupAdmin   
    Set oEnvironment.CurrentTransactionID = CurrentTransactionID   
    Set oEnvironment.ParentTransactionID = ParentTransactionID   
    Set oEnvironment.MasterTransactionID = MasterTransactionID   
    Set oEnvironment.ActivityID = ActivityID   
    Set oEnvironment.TransactionCache = TransactionCache   
    Set oEnvironment.View = View   
    If IsEmpty( CurrentUserSessionInfo ) Then   
        Set oEnvironment.CurrentUserSessionInfo = Null   
    Else   
        Set oEnvironment.CurrentUserSessionInfo = CurrentUserSessionInfo   
    End If   
  
End Sub   
  
  
' =========================================   
'   
'    SetReturnValue   
'   
' =========================================   
Sub SetReturnValue(byRef oResult)   
  
    ' IGNORE ERRORS   
    ' (they should only come frome trying to set variables that don't   
    ' exist in this script type, which is expected)   
    On Error Resume Next   
  
    Output = oResult.VaultExtensionMethodOutput   
End Sub

### Property Definition Scripts

#### Effective through - Property Value Validation

Property ID: 1096

' Checks that effective through date is not earlier than document date (Property ID 1002)   
  
Option Explicit   
  
' Get Effective through property value   
Dim dEffectiveThrough: dEffectiveThrough = PropertyValue.Value   
  
' Get properties for this object   
Dim oPropVals: Set oPropVals = CreateObject("MFilesApi.PropertyValues")   
set oPropVals = Vault.ObjectPropertyOperations.GetProperties(ObjVer)   
  
' Check if document date property exists on this object   
If oPropVals.IndexOf( 1002 ) <> - 1 Then   
  
    ' Get document date property value   
    Dim dDocumentDate: dDocumentDate = oPropVals.SearchForProperty( 1002 ).TypedValue.Value   
       
    ' Check that both Effective through and Document date properties have value   
    If isDate(dEffectiveThrough) And isDate(dDocumentDate) Then   
  
        If dEffectiveThrough < dDocumentDate Then   
            Err.Raise MFScriptCancel, "The expiry date cannot be earlier than document date"   
        End If   
  
    End If   
  
End If

#### Full name - Calculated Property Value

Property ID: 1107

Option Explicit   
  
' Find the first name and last name properties.   
' The corresponding property definition IDs are 1105 and 1106.   
Dim szFirstName   
szFirstName = PropertyValues.SearchForProperty( 1105 ).TypedValue.Value   
Dim szLastName   
szLastName = PropertyValues.SearchForProperty( 1106 ).TypedValue.Value   
  
' Combine to full name.   
Dim szFullName   
If IsNull( szFirstName ) Then   
    szFullName = szLastName  ' First name not entered.   
Else   
    szFullName = szFirstName & " " & szLastName   
End If   
  
' Store the full name in the property.   
Output = szFullName

#### Agreement title - Calculated Property Value

Property ID: 1144

Option Explicit   
Dim szAgreementType, szCustomer, dDocumentDate   
  
szAgreementType = PropertyValues.SearchForProperty( 1143 ).TypedValue.DisplayValue   
szCustomer = PropertyValues.SearchForProperty( 1079 ).TypedValue.DisplayValue   
dDocumentDate = PropertyValues.SearchForProperty( 1002 ).TypedValue.Value   
  
  
Output = szAgreementType & " - " & szCustomer & " (" & DatePart("m", dDocumentDate) & "/" & DatePart("yyyy", dDocumentDate) & ")"

### State Scripts

### Automatic State Transition Scripts

### MFCK Module Configuration

### Metadata Card Configuration Rules