practical-m-files



Vault Configuration Documentation

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## Vault Overview

|  |  |
| --- | --- |
| Vault Name: | practical-m-files |
| Vault GUID: | {316EE0B8-8752-40CB-A03D-22B9F647B521} |
| 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 |

### Document

#### Classes

##### Other document

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Keywords | Text |  |  |  | 26 |

###### 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.

##### Document

###### Associated Properties

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Datatype** | **Automatic** | **Required** | **Name Property** | **ID** |
| Name or title | Text |  | X | X | 0 |
| Keywords | Text |  |  |  | 26 |

###### Access Control

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

###### Workflow

Document 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.

## 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** |
| 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 |
| 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 | 1017 |
| Assignment description | MultiLineText |  |  | All internal and external users | All internal and external users | 41 |
| 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 |
| 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 source | Choose from External sources |  |  | All internal and external users | All internal and external users | 35 |
| 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 |
| Document | Choose from Documents (multi-select) |  |  | All internal and external users | All internal and external users | 1013 |
| Document collection | Choose from Document collections (multi-select) |  |  | All internal and external users | All internal and external users | 1015 |
| Favorite view | Integer |  |  | All internal and external users | All internal and external users | 82 |
| Is template | Boolean |  |  | All internal and external users | All internal and external users | 37 |
| Keywords | Text |  |  | All internal and external users | All internal and external users | 26 |
| 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 |
| 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 |
| Message ID | Text |  |  | All internal and external users | All internal and external users | 83 |
| 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 (Assignment) | Choose from Assignments |  |  | All internal and external users | All internal and external users | 1016 |
| Owner (Class group) | Choose from Class groups |  |  | All internal and external users | All internal and external users | 1002 |
| Owner (Class) | Choose from Classes |  |  | All internal and external users | All internal and external users | 1001 |
| Owner (Document collection) | Choose from Document collections |  |  | All internal and external users | All internal and external users | 1014 |
| Owner (Document) | Choose from Documents |  |  | All internal and external users | All internal and external users | 1012 |
| Owner (External source) | Choose from External sources |  |  | All internal and external users | All internal and external users | 1007 |
| Owner (Report) | Choose from Reports |  |  | All internal and external users | All internal and external users | 1018 |
| Owner (Source) | Choose from Sources |  |  | All internal and external users | All internal and external users | 1011 |
| Owner (State transition) | Choose from State transitions |  |  | All internal and external users | All internal and external users | 1010 |
| Owner (State) | Choose from States |  |  | All internal and external users | All internal and external users | 1009 |
| Owner (Traditional folder) | Choose from Traditional folders |  |  | All internal and external users | All internal and external users | 1006 |
| Owner (User group) | Choose from User groups |  |  | All internal and external users | All internal and external users | 1004 |
| Owner (User) | Choose from Users |  |  | All internal and external users | All internal and external users | 1003 |
| Owner (Version label) | Choose from Version labels |  |  | All internal and external users | All internal and external users | 1005 |
| Owner (Workflow) | Choose from Workflows |  |  | All internal and external users | All internal and external users | 1008 |
| Permissions changed | Timestamp |  |  | All internal and external users | All internal and external users | 90 |
| 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 | 1019 |
| Report placement | Integer |  |  | All internal and external users | All internal and external users | 88 |
| 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 |
| 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 | Choose from States |  |  | All internal and external users | All internal and external users | 39 |
| Status changed | Timestamp |  |  | All internal and external users | All internal and external users | 24 |
| 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 |
| 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 |

## Workflows

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Aliases** | **Tied to class** | **ID** |

## 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** |
| Full control for all internal users |  | -1 |
| Read access for external users, full control for internal users |  | -5 |
| Read access for internal users, full control for me |  | -10 |
| Only for me |  | -20 |

#### Full control for all internal users

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

#### Read access for external users, full control for internal users

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

#### Read access for internal users, full control for me

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

#### Only for me

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

## Value Lists

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Name (plural)** | **Aliases** | **Owner** | **External** | **ID** |

## User Groups

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Aliases** | **External** | **New User License** | **Sync** | **ID** |
| All internal users |  |  |  |  | 1 |
| All internal and external users |  |  |  |  | 2 |

## 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** |
| VaultapplicationReportToEventlogWithSerilog.MFEventHandlerBeforeCheckInChangesFinalize | BeforeCheckInChangesFinalize |
| VaultapplicationReportToEventlogWithSerilog.MFEventHandlerVaultExtensionMethod | VaultExtensionMethod |

## Appendices

### Value List Items

### Event Handlers

#### VaultapplicationReportToEventlogWithSerilog.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("vaultapplication-reporttoeventlog-with-serilog", "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

#### VaultapplicationReportToEventlogWithSerilog.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("vaultapplication-reporttoeventlog-with-serilog", "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

### Property Definition Scripts

### State Scripts

### Automatic State Transition Scripts

### MFCK Module Configuration

### Metadata Card Configuration Rules