Semantic Object Modeling

For

DMS-KFS

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Required | Data Type | Domain | Unique |
| person\_id | YES | Person Ref |  | False |
| folder\_id | YES | Folder Ref |  | False |
| folder\_permissions\_bit | YES | INT | The sum of the bits of the granted permissions | False |
| EXP-Date | YES | Date |  | False |

1. Person-File Roles

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Required | Data Type | Domain | Unique |
| Person\_id | YES | Person Ref |  | False |
| file\_id | YES | File Ref |  | False |
| file\_permissions\_bit | YES | INT | The sum of the bits of the granted permissions | False |
| EXP-Date | YES | Date |  | False |

1. File Permissions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Required | Data Type | Domain | Unique |
| Bit | YES | INT |  | True |
| Name | YES | String |  | True |

1. Folder Permissions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Required | Data Type | Domain | Unique |
| Bit | YES | INT |  | True |
| Name | YES | String |  | True |

1. Person-Person Roles؟؟؟؟

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field | Required | Data Type | Domain | Unique |
| Person\_id | YES | Person-Ref | The person that has the role | True |
| person\_permissions\_bit | YES | INT | The sum of the bits of the granted permissions | False |
| Date Created | YES | Date |  | False |
| Request Status | No | Boolean | Null until it approved or disapproved | False |
| EXP-Date | No | Date |  | False |