



# Access Fulfillment Using a Script

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## **Access Fulfillment for Unmanaged Business Resources in File Access Manager**

File Access Manager supports automatic access fulfillment for unmanaged business resources, using a user script.

The stages of approval remain as they are for managed business resources.

See the chapter on fulfillment in the File Access Manager Administrator Guide.

## Configuration

Manual and automated fulfillment options on the access request template

Fulfillment field	Managed BRs	Unmanaged BRs
None	No action	No action
Fulfill Access Request	Fulfillment processed automatically by the system	Manual fulfillment process. The user performing the fulfillment has to mark the task as done.
Execute Custom Script	Fulfillment processed automatically by the system	Fulfillment processed automatically, calling the custom script for each BR.

## How to Set Up Fulfillment Using a Script

1. Open the Access Request Template  
*Access Requests > Configuration > Manage Access Requests Templates*
2. Double click an existing template to edit it, or click **New** to create a new template.
3. In the Fulfillment field, select **Execute Custom Script**.

**Access Request Template**

Choose the review process, and the application and identity collectors to use it in access request processes

Name:

Review Process:  [\(Create a new Review Process\)](#)

Objects: Filter:  Filter:

Available Chosen

Set maximum duration for access requests handling

Duration:  Days

Fulfillment:

None

Fulfill Access Requests

Execute Custom Script

This will assume the script, named “Custom-Fulfillment.ps1” is in the required folder.

4. In the Access Certification campaign management:  
*Compliance > Access Certification > Campaign Management > Manage Access Requests Templates*
5. Edit an existing campaign, or click **+New Campaign**.
6. When you get to the Summary tab, open the Fulfillment option, by clicking **Edit**.
7. Select **Fulfill Permissions Revoke Requests**.

- In the Fulfillment Options, select **Execute Custom Script**.

**Fulfillment Process**

None
  **Fulfill Permissions Revoke Requests**

You can update the review process list in the Administrative Client and click the Refresh button [Refresh](#)

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**Access revoke request should be reviewed**

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**Fulfillment Options:**

Manual Fulfillment Review Process ▼

Manual Fulfillment Review Process

Execute Custom Script

All ▼

with one-step review process for manual fulfillment.

**Review Process** ?

By Data Owner ▼

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**Type of Account**

User Account ▼

**Default Reviewer(s) \***

Search for a user Q

For managed BRs, this campaign will automatically revoke the permissions from users selected

Users from BRs that are not managed that were selected to revoke permission will be processed using this user script, as described above.

## Script location

The user script has to be stored in the folder %SAILPOINT\_HOME%\%SAILPOINT\_APP\_NAME%\ScheduledTaskHandler

There is a sample script in that folder that comes with the installation package.

## Script sample and input / output variables

```
<#
.SYNOPSIS
```

```
Custom-Fulfillment.ps1 - Changes a file or folder ACL.
```

```
.DESCRIPTION
```

```
This script will modify the security descriptor of a specified item, such as a file or a folder, to match the values that have been supplied.
```

```
.INPUTS
```

```
This script gets a list of parameters as described below
```

```
.OUTPUTS
```

```
The script will return a string or integer value:
```

```
Success = 0
```

```
Error != 0
```

```
.NOTES
```

```
Written by: SailPoint Technologies
```

```
#>
```

```
# Main
```

```
param (  
    [bool]    $isRollback,      # Determines whether this is a rollback action or not  
    [string]$actionType,      # The action type performed (AddPermission, RemovePer-  
mission, AddUserToGroup, RemoveUserFromGroup)  
    [string]$requestedBy,     # The user that created the access request  
    [string]$applicationName, # The request application name  
    [string]$applicationType, # The request application type (e.g. FILES MINI-FILTER)  
    [string]$resourceFullPath, # The full path of the resource (will be empty in case  
the request is performed on a group)  
    [string]$permissionType,  # The type of permission to add/remove  
    [string]$accessRequestID,  # The access request ID  
    [string]$campaignName,     # The campaign name (will be empty if the request  
hasn't been created from a campaign)  
    [string]$filterView,      # The campaign filter view type (FineGrained, User-  
sAndRoles, Users, FineGrainedWithEveryone)  
    # User fields in which the action is performed on (will be empty if the action is not  
performed on a user)  
    [string]$user,           # The user name  
    [string]$userFullName,  # The user full name  
    [string]$userUID,       # The user unique identifier  
    [string]$userDisplayName, # The user display name  
    [string]$userPrincipalName, # The user principal name  
    [string]$userType,      # The user entity type name  
    [string]$userField1,    # The user enrichment fields (1 - 32)  
    [string]$userField2,  
    # (This goes on for a while)  
    [string]$userField31,  
    [string]$userField32,  
    # Group fields in which the action is performed on (will be empty if the action is  
not performed on a group)  
    [string]$group,         # The group name  
    [string]$groupUID,     # The group unique identifier  
    [string]$groupType,    # The group type  
    [string]$groupDomain,  # The group domain  
    [string]$groupField1,  # The group enrichment fields (1 - 10)  
    [string]$groupField2,  
    [string]$groupField3,  
    # and so on...
```

```
[string]$groupField9,
[string]$groupField10
)
#####
# Start writing your code from here #
#####
if (($actionType -eq 'AddPermission') -and ($user -ne '')) {
    if ($isRollback -eq $false) {
        # Adds permission to the specified user
    }
    else {
        # Handle rollback for the current action
    }
}
if ($success) {
    return 0; # Success
}
else {
    return 1; # Failure
}
```

## Returned Values

The following codes are returned from the script:

**0**

Success

**1-7**

Error values