# %Lepide

**USE CASE GUIDE** 

HOW TO REPORT ON PERMISSION CHANGES TO SENSITIVE DATA ON SHAREPOINT ONLINE

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## 1.Introduction

Data breaches are a serious threat to any organization and action needs to be taken to keep the risk of their occurrence to a minimum. The focus at Lepide is to provide visibility over what's happening with your data and through visibility you can take the necessary action to mitigate risk and stay compliant.

This guide is in two parts. The first explains the ways in which you can use Lepide Data Security Platform to provide visibility to reduce data breaches with sensitive data. The <u>second part</u> gives step-by-step instructions on how to configure the SharePoint Online Permission Modification Reports to identify any changes to sensitive data permissions.

### 2.Sensitive Data

The types of sensitive data which companies hold can include information such as social security numbers, credit card details, bank account information, and other account data that identifies customers or employees.

This information is necessary for employees to perform essential business functions but if there is uncontrolled access to this sensitive data it can lead to data breaches including fraud and identity theft, and to non-compliance.

When a user, either intentionally or accidentally, misuses legitimate privileges they have been granted it is known as privilege abuse. Despite these privileges being legitimately granted, users may access resources or perform actions that compromise data security.

Whether privilege abuse occurs through users purposefully mishandling data, or through employee carelessness, it is a security threat that must be taken seriously.

## 3. Principle of Least Privilege (PoLP)

The Principle of Least Privilege (PoLP) is an information security concept in which a user is given the minimum levels of access needed to perform their job functions. Applying this principle is a highly effective way to greatly reduce the chance of an attack within an organization.

## **4.Tracking Permission Changes**

Once the PoLP concept has been complied with and sensitive data is accessible to the minimum number of users, it is essential for an organization to be able to track any subsequent changes to sensitive data permissions. For example, a user could be given temporary access to a finance spreadsheet so that they can perform a particular task. If their temporary access gets forgotten about and the permissions are not revoked, then that user has unlimited access to the document which could result in a security breach.

However, if these permission changes are regularly monitored then it is a straightforward process to remove the access and keep the sensitive data secure.

To be able to do this, it is essential for an organization to have complete visibility over their sensitive data. But without a solution in place, keeping track of permission changes can be a complex and time-consuming task.

#### 5. The Lepide Solution

The Lepide Data Security Platform provides a solution to this complexity with the Permission Modification Reports. These reports provide visibility as to any permissions that have been changed for sensitive documents.

Once there is clarity as to any changes that have been made regarding permissions to sensitive data, it is a straightforward process to correct this and remove any unnecessary document privileges.

The SharePoint Online Permission Modification Reports within the Lepide Solution are as follows:

- Document Library Permission Modified
- Document Permission Modified
- Item Permission Modified
- List Permission Modified
- Site Collection Permission Modified
- Folder Permission Modified

The report we will use as an example here is the **Document Permission Modified Report** but the Permission Modification Reports all work in a similar way so the steps will be the same for each of them.

| =  | States & Behavior   | 2 leg | pidesoftware-admin.shar         | epoint.com(SharePoint           | Online)\Document Permi      | ssion Modified         |                            |                                   |                 |   |             | ¥ 🗹  |
|----|---|-------|---------------------------------|---------------------------------|-----------------------------|------------------------|----------------------------|-----------------------------------|-----------------|---|-------------|------|
|    | Search  | 0     | File Name                       | + When                          | -                           |                        |                            |                                   |                 |   |             |      |
| 0  | All Environment Changes   | 5     | 7 File Location                 | + Custom Date Rend              |                             |                        |                            |                                   |                 |   |             |      |
|    | Anomaly Analysis  |       | Z Millio                        | 1/1/2021 3:36 P                 | M To                        |                        |                            |                                   |                 |   |             |      |
| •  | () (19, 192,168,20,192(SharePoint)  |       |                                 | 12/31/2021 11:5                 | 9.PM                        |                        |                            |                                   |                 |   |             |      |
|    | in Dr. File Server Reports  | 2     | winen ·                         | •                               |                             |                        |                            |                                   |                 |   |             |      |
| G  | File Server Modification Reports  | 2     | Operation                       | +                               |                             |                        |                            |                                   |                 |   |             |      |
|    | E Custom Report   | 5     | From ·                          | +                               |                             |                        |                            |                                   |                 |   |             | _    |
|    | Image: Provide the second s |       |                                 |                                 |                             |                        |                            |                                   |                 |   | Generate Re | port |
|    | E In Ispidesoftware-admin.sharepoint.com[SharePoint Online  |       |                                 |                                 |                             |                        |                            |                                   |                 |   |             |      |
| 8. | All Modifications in SharePoint Online  | G     | rid View Graph View             |                                 |                             |                        |                            |                                   |                 |   |             |      |
|    | Document Modification Reports   | Dra   | g a column header here to group | p by that column.               |                             |                        |                            |                                   |                 |   | 聞 C         | 2 👎  |
| E. | Folder Modification Reports   |       | File Name J                     | File Location                   | 7 Who .7                    | When                   | Operation                  | 7 What                            | 7 From          | 3 |             | 2    |
|    | Permission Modification Reports   | ø     | Q                               | 1                               | م (                         |                        | 2                          | 2                                 | 0               | Q |             | É.   |
|    | Document Library Permission Modified  |       | New Test Document bd            | https://lepidesoftware.share.   | sudesh@lepidescftware.on    | 11/11/2021 11:41:18 AM | Permissions Granted        | New Test Document bit: Per-       | 125.63.105.221  |   |             | 66 J |
|    | Item Permission Modified  |       | Shared Documents/General        | https://lepidesoftware.share.   | sudesh@lepidesoftware.on    | 11/11/2021 11:41:18 AM | Sharing Inheritance Broken | Shared Documenta/General          | 125 63 105 221  |   |             |      |
| S  | List Permission Modified  |       | Gerry Leon case 7896 pdf        | https://lepidesoftware.share.   | simon@lepidesoftware.onmi   | 10/19/2021 9:30:24 AM  | Permissions Granted        | Geny Leon case 7896 pdf;          | 180.151.74.13   |   |             |      |
|    | Site Collection Permission Modified   |       | Shared Documents/Multicor       | https://lepidesoftware.share.   | simon@tepidesoftware.onmi   | 10/19/2021 9:30:24 AM  | Sharing Inheritance Broken | Shared Documents/Multicor.        | . 180.151.74.13 |   |             |      |
| \$ | Folder Permission Modified  |       | Evidence 6723.pptx              | https://lepidesoftware.share.   | simon elepidesoftware.onmi  | 10/19/2021 9:29:37 AM  | Permissions Granted        | Evidence 6723.pptx: Permis.       | 180.151.74.13   |   |             |      |
|    | Tenant Modification Reports   |       | Shared Documents/Multicor       | https://lepidesoftware.share.   | simon@lepidesoftware.onmi   | 10/19/2021 9:29:37 AM  | Sharing Inhertance Broken  | Shared Documents/Multicor.        | . 180.151.74.13 |   |             |      |
| -  | Site Collection Modification Reports  |       | Shared Documents/Multicor       | https://lepidesoftware.share.   | simon@lepidesoftware.onmi   | 10/19/2021 9:29:11 AM  | Sharing Inheritance Broken | Shared Documents/Multicor.        | . 180.151.74.13 |   |             |      |
|    | Sharing And Access Reports  |       | Client list xisx                | https://lepidesoftware.share.   | simon@lepidesoftware.onmi   | 10/19/2021 9:29:11 AM  | Permissions Granted        | Client list xlax; Permissions gr. | 180.151.74.13   |   |             |      |
| 2  | Favorites   |       | CompanyDataFor_FY2021.bt        | https://lepidesoftware.share.   | . simon@lepidesoftware.onmi | 10/19/2021 9:27:38 AM  | Permissions Granted        | CompanyDataFor_FY20211.           | . 180.151.74.13 |   |             |      |
|    | Impidesoftware.onmicrosoft.com(Office 365)  |       | Shared Documents/General        | https://lepidesoftware.share.   | simon@lepidesoftware.onmi   | 10/19/2021 9:27:38 AM  | Sharing Inhertance Broken  | Shared Documents/General.         | . 180.151.74.13 |   |             |      |
|    | - 🔽 Explore Backup  |       | Performance_FY21.xlsx           | https://lepidesoftware.share.   | . jason@lepidesoftware.onmi | 10/18/2021 4:03:38 PM  | Permissions Granted        | Performance_FY21.xlsx; Per.       | . 180.151.74.13 |   |             |      |
|    | Console Auditing  |       | Indrajeet 1 - Copy.txt          | https://lepidesoftware.share.   | . sudesh@lepidesoftware.on  | 7/5/2021 4:10:58 PM    | Permissions Granted        | Indrajeet1 - Copy.bd; Permis      | . 180.151.74.13 |   |             |      |
|    |   |       | Shared Documents/Indrajee       | https://lepidesoftware.share.   | sudesh@lepidesoftware.on    | 7/5/2021 4:10:58 PM    | Sharing Inhertance Broken  | Shared Documents/Indrajee.        | 180.151.74.13   |   |             |      |
|    |   |       | Patient details.docx            | https://lepidesoftware.share.   | jason@lepidesoftware.onmi   | 5/18/2021 12:27:49 PM  | Permissions Granted        | Patient details dock; Permiss.    | . 180.151.74.13 |   |             |      |
|    |   |       | Shared Documents/Patients       | . https://lepidesoftware.share. | jason@lepidesoftware.onmi   | 5/18/2021 12:27:49 PM  | Sharing inheritance Broken | Shared Documents/Patients         | 180.151.74.13   |   |             |      |
|    |   |       |                                 |                                 |                             |                        |                            |                                   |                 |   |             |      |

Figure 1: Document Permission Modified Report

This report shows information including who has made the permission change, the document that has been changed and what those changes are.

#### 6.The Permission Modification Reports

#### 6.1. Prerequisites

Before running any of the Permission Modification Reports, you will need to have configured SharePoint Online for user interaction and to enable auditing

# 6.2. Running the Document Permission Modified Report

- Click the User and Entity Behavior Analytics
   icon
- Expand SharePoint Online (from the tree structure to the left side of the screen)
- Expand SharePoint Online Modification Reports
- Expand Permission Modification Reports
- Click on Document Permission Modified to display the Document Permission Modified Report:

Figure 2: Document Permission Modified Report

#### Specify a Date Range

• From the top of the screen, under **When** click **Today** to choose a date range for the report

The following dialog box is displayed:



Figure 3: Date Range Filter

- Select a date range from the list
- Click OK and you will return to the Document Permission Modified screen
- Click Generate Report

| earch   | P    | 7 File Name                      | + When                       | 8                          |                        |                            |                                 |                 |   |          |
|---|------|----------------------------------|------------------------------|----------------------------|------------------------|----------------------------|---------------------------------|-----------------|---|----------|
| All Environment Changes                           |      | V Electronice                    |                              |                            |                        |                            |                                 |                 |   |          |
| 🐔 Anomaly Analysis                                |      | A THE LOCATION                   | 1/1/2021 2/26 DA             | 170                        |                        |                            |                                 |                 |   |          |
| [] 192.168.20.192(SharePoint)                     |      | Y Who .                          | 12/31/2021 11:55             | PM                         |                        |                            |                                 |                 |   |          |
| a multicorp.local                                 |      | V When                           | +                            |                            |                        |                            |                                 |                 |   |          |
| R File Server Reports                             |      | V Operation                      | +                            |                            |                        |                            |                                 |                 |   |          |
| Hie Server Modification Reports                   |      | V. from                          |                              |                            |                        |                            |                                 |                 |   |          |
| lanideunftware comicrosoft com/Evchange Online)   |      |                                  |                              |                            |                        |                            |                                 |                 |   |          |
| lepidesoftware-admin.sharepoint.com/SharePoint On | ine) |                                  |                              |                            |                        |                            |                                 |                 |   | Generate |
| SharePoint Online Modification Reports            |      | Grid View Graph Man              |                              |                            |                        |                            |                                 |                 |   |          |
| All Modifications in SharePoint Online            |      | and the base of the second       | A shot offer                 |                            |                        |                            |                                 |                 |   |          |
| Document Modification Reports                     | 0    | ag a column reader here to group | p by mat countri.            |                            |                        |                            |                                 |                 |   |          |
| Folder Modification Reports                       |      | File Name                        | File Location 3              | Who                        | When                   | 17 Operation               | 37 What                         | .7 From         | 3 |          |
| Permission Modification Reports                   | 5    | 2 2                              | م                            | 5                          |                        | o .                        | Q                               | p               | Q |          |
| Jocument Library Permission Mobilied              |      | New Test Document.bd             | https://lepidesoftware.share | sudesh@lepidesoftware.on   | 11/11/2021 11:41:18 AM | Permissions Granted        | New Text Document.txt: Pe       | 125.63.105.221  |   |          |
| Item Permission Modified                          |      | Shared Documents/General.        | https://lepidesoftware.share | sudesh@lepidesoftware.on   | 11/11/2021 11:41:18 AM | Sharing Inheritance Broken | Shared Documents/General        | 125 63 105 221  |   |          |
| List Permission Modified                          |      | Gerry Leon case 7896 pdf         | https://lepidesoftware.share | simon @tepidesoftware.onmi | 10/19/2021 9:30:24 AM  | Permissions Granted        | Geny Leon case 7896 pdf:        | 180.151.74.13   |   |          |
| - Site Collection Permission Modified             |      | Shared Documents/Multicor        | https://lepidesoftware.share | simon@epidesoftware.onmi   | 10/19/2021 9:30:24 AM  | Sharing Inheritance Broken | Shared Documents/Multico        | r 180.151.74.13 |   |          |
| - Folder Permission Modified                      |      | Evidence 6723.pptx               | https://lepidesoftware.share | simon @lepidesoftware.onmi | 10/19/2021 9:29:37 AM  | Permissions Granted        | Evidence 6723.pptx: Permis      | 180.151.74.13   |   |          |
| Tenant Modification Reports                       |      | Shared Documents/Multicor        | https://lepidesoftware.share | simon@lepidesoftware.onmi  | 10/19/2021 9:29:37 AM  | Sharing Inhertance Broken  | Shared Documents/Multico        | 180.151.74.13   |   |          |
| Site Collection Modification Reports              |      | Shared Documents/Multicor.,      | https://lepidesoftware.share | simon@lepidesoftware.onmi  | 10/15/2021 9:29:11 AM  | Sharing Inheritance Broken | Shared Documents/Multico        | r 180.151.74.13 |   |          |
| SharePoint Group Reports                          |      | Client list xisx                 | https://lepidesoftware.share | simon@lepidesoftware.onmi  | 10/19/2021 9:29:11 AM  | Permissions Granted        | Client list xlsx; Permissions g | r 180.151.74.13 |   |          |
| Sharing And Access Reports                        |      | CompanyDataFor_FY2021.bt         | https://lepidesoftware.share | simon@lepidesoftware.onmi  | 10/19/2021 9:27:38 AM  | Permissions Granted        | CompanyDataFor_FY20211          | 180.151.74.13   |   |          |
| lepidesoftware.onmicrosoft.com(Office 365)        |      | Shared Documents/General.        | https://lepidesoftware.share | simon@lepidesoftware onmi  | 10/19/2021 9:27:38 AM  | Sharing Inheritance Broken | Shared Documents/General        | 180.151.74.13   |   |          |
| Explore Backup                                    |      | Performance_FY21.xlsx            | https://lepidesoftware.share | jason@lepidesoftware.onmi  | 10/18/2021 4:03:38 PM  | Permissions Granted        | Performance_FY21.xlsx; Per      | r 180.151.74.13 |   |          |
| Console Auditing                                  |      | Indrajeet 1 - Copy bit           | https://lepidesoftware.share | sudesh@lepidesoftware.on   | 7/5/2021 4:10:58 PM    | Permissions Granted        | Indrajeet 1 - Copy bt; Permis   | 180.151.74.13   |   |          |
|   |      | Shared Documents/Indrajee        | https://lepidesoftware.share | sudesh@lepidesoftware.on   | 7/5/2021 4:10:58 PM    | Sharing Inheritance Broken | Shared Documents/Indrajes       | 180.151.74.13   |   |          |
|   |      | Patient details.docx             | https://lepidesoftware.share | jason@lepidesoftware.onml  | 5/18/2021 12:27:49 PM  | Permissions Granted        | Patient details docx; Permiss   | 180.151.74.13   |   |          |
|   |      | Shared Documents/Patients.       | https://lepidesoftware.share | jason@lepidesoftware.ormi  | 5/18/2021 12:27:49 PM  | Sharing Inheritance Broken | Shared Documents/Patients       | 180.151.74.13   |   |          |

The report shows all SharePoint Online document modifications within the specified time period.

The information displayed in this report includes:

When the modification was made, from which location, who made the change and the document for which permissions were changed. The What column shows details on exactly what has been changed.

Hover the mouse on a particular row in the **What** column to display the information in more detail: •

|          |                                    |                                 | · · · · · · · · · · · · · · · · · · ·   |
|----------|------------------------------------|---------------------------------|---|
| e Broken | Shared Documents/Multicor          | 180.151./4.13                   |   |
| e Broken | Shared Documents/Multicor          | 180.151.74.13                   |   |
| :d       | Client list xlsx; Permissions gran | ited to SharingLinks.a8c72caf-2 | 882-459c-a325-ba113d5cc4b5.Flexible.09e79518-653d-46fb-9dad-c19cee0a815e:"Contribute" |
| :d       | CompanyDataFor_FY2021.t            | 180.151.74.13                   |   |
| e Broken | Shared Documents/General           | 180.151.74.13                   |   |
| d        | Performance_FY21.xlsx; Per         | 180.151.74.13                   |   |

Figure 5: More Detail on the 'What' Column

Another way to see more detail for the **What** column is to display the **Details Window**:



Click the **Details** icon to display the **Details Window** 

Details about the selected row will be shown in this Window:





- Click the Hide icon  $\,$  to hide the Details Window



# 7. Filtering the Report

To add filters to the data, click on the filter area above the relevant column and type in the information you want to see.

For example, you may want to see data for a particular document type - so click at the top of the **File Name** column and type the file extension name to be filtered on:

|   | File Name | -7 | F |
|---|-----------|----|---|
| × | xls       | ×  |   |
|   |           |    |   |

Figure 7: Filter Area

In the example below, the report has been filtered to show Excel spreadsheets (xls file extension):

|     | States & Behavior  | 8    | lepidesoftware-admin.sha   | repoi    | int.com(SharePoint       | Online)\Document Perm     | ission Modified       |   |                           |   |               |     | ĩ            | T 🗹  | 9  |
|-----|--|------|----------------------------|----------|--------------------------|---------------------------|-----------------------|---|---------------------------|---|---------------|-----|--------------|------|----|
|     | Search   | 2    | T File Name                | +        | When                     |                           |                       |   |                           |   |               |     |              |      |    |
| 8   | All Environment Changes  |      | 7 File Location            | +        | Custom Date Range        |                           |                       |   |                           |   |               |     |              |      |    |
|     |  |      | 7 Who                      | +        | 1/1/2021 3:36 PM         | 4 To                      |                       |   |                           |   |               |     |              |      |    |
| 6   | multicorp.local  |      | Y When                     | +        | 12/31/2021 11:55         | 9 PM                      |                       |   |                           |   |               |     |              |      |    |
| G   | Reports     File Server Reports     File Server Modification Reports |      | Y Operation                | +        |                          |                           |                       |   |                           |   |               |     |              |      |    |
| •   | Custom Report  |      | Y From                     | +        |                          |                           |                       |   |                           |   |               |     |              |      |    |
| ~   | Ipidesoftware.onmicrosoft.com(Exchange Online)                       |      |                            |          |                          |                           |                       |   |                           |   |               |     | Generate Rep | port |    |
| _   |  | ie)  | Grid View Graph View       |          |                          |                           |                       |   |                           |   |               |     |              |      | 7  |
| 84  | - All Modifications in SharePoint Online                             | - 6  | and new oraph view         | ao by th | hat column.              |                           |                       |   |                           |   |               |     | ₿ 0          |      |    |
| FA. | Document Modification Reports     Folder Modification Reports        |      | 1                          |          |                          |                           |                       |   |                           |   |               |     |              | È,   | 4  |
|     | Permission Modification Reports                                      | - F  | File Name                  | a Pile   | e Location               | Who -                     | When                  | × | Operation                 | 7 What  | A From        | - 1 |              |      | ē. |
| •   | Document Library Permission Modified                                 | - 1- | X XS >                     | <        | م                        | \$                        |                       | 9 | 2                         |   |               | Q   |              |      | ŝ  |
|     |  |      | Shared Documents/Multicor. | http:    | s://lepidesoftware.share | simon@lepidesoftware.onmi | 10/19/2021 9:29:11 AM |   | sharing inhertance broken | Shared Documents/Multicorp/Lega/Confidentia/Clerk list xis    | 180.151.74.13 |     |              |      |    |
| S   | - Item Permission Modified   |      | Defemance EV21 day         | reps     | s://iepidesoftware.share | smon@vepdesortware.orm    | 10/13/2021 3:23:11 AM |   | Permissions Granted       | Clerc Istoss, Permissions granted to Sharing Links and /2car- | 180.151.74.13 |     |              |      |    |
|     | Site Collection Permission Modified                                  |      | Peromance_P121xisk         | repr     | s://iepidesottware.snare | ason grepiceson ware on m | T0/16/2021 4:03:36 PM |   | remissions Granted        | Peromance_F121xsx; Permissions granted to sharingLinks        | 100.151.74.13 |     |              |      |    |
| ø   | Folder Permission Modified   |      |                            |          |                          |                           |                       |   |                           |   |               |     |              |      |    |
|     | Tenant Modification Reports  |      |                            |          |                          |                           |                       |   |                           |   |               |     |              |      |    |
| 2   | Site Collection Modification Reports                                 |      |                            |          |                          |                           |                       |   |                           |   |               |     |              |      |    |
| -   | Sharing And Access Reports   |      |                            |          |                          |                           |                       |   |                           |   |               |     |              |      |    |

Figure 8: Report Filtered by File Name

The report can be scheduled, saved, and exported.

### 8. Creating an Alert

If you want to be notified about permission changes you can set up an automated alert on the Permission Modification Reports. As before, the example here will be using the **Document Permission Modified Report**.

To set up an alert:

- Click the **User Entity & Analytics** icon to display the **States & Behavior** window A list of reports is displayed in a tree structure on the left-hand side of the screen
- Navigate to the **Document Permission Modified Report.**
- Right click on the **Document Permission Modified Report.** to display the context menu:

| 🗄 🗄 🗐 Permission Modifi      | cation Reports           |   |       |
|------------------------------|--------------------------|---|-------|
| Document Libi                | rary Permission Modified | × | xls   |
| Document Per                 | mission Modified         |   | Shar  |
| Item Permis                  | Schedule Report          |   | Clier |
| List Permiss                 | Add to Favorites         |   | Perf  |
| Site Collecti                | Set Alert                |   |       |
| Folder Perm                  |                          |   |       |
| 🕀 🗐 Tenant Modific           | Create Custom Report     |   |       |
| 🕀 🛄 Site Collection          | Restore Wizard           |   |       |
| 🕀 🗐 SharePoint Group         | Reports                  |   |       |
| Sharing And Acces            | ss Reports               |   |       |
| Favorites                    |                          |   |       |
| 🖬 🗔 lepidesoftware.onmicroso | oft.com(Office 365)      |   |       |
| <b>[</b> !                   | and On Company & Manage  |   |       |

Figure 9: Context Menu

• Choose Set Alert

A Wizard will start, and the Select Reports dialog box is displayed:



|  |        | ×      |
|--|--------|--------|
| Please select the report(s)  |        |        |
| Please select the report(s) for setting alert.   |        |        |
| Peidesoftware-admin.sharepoint.com(SharePoint Online)     SharePoint Online Modification Reports     M All Modifications in SharePoint Online     Document Modification Alets     M Pemission Modification Alets     M Document Library Pemission Modified     M Document Library Pemission Modified     M Document Pemission Modified     M State Collection Pemission Period |        | ~      |
| < <u>B</u> ack   | Next > | Cancel |

Figure 10: Select Report

Ensure that the report on which you want to set an alert is checked. In this case, it is the Document Permission Modified Report.

#### • Click **Next**

The Set Filter(s) dialog box is displayed:

| Set Filter(s)                                    |  | ×                                    |
|--|--|--------------------------------------|
| Please select operations to set the filter(s). ( | Optional)<br>File Name File Location Who<br>Include All<br>File Name | Operation From ▷<br>▼ ♥. ★.          |
| <  | Threshold Alert     Send alert only if event occurs                  | times in 1 Minute(s) ~               |
|  |  | < <u>B</u> ack <u>N</u> ext > Cancel |

Figure 11: Set Filters

On the left of the dialog box, you can see the report you are working on which in this case is **Document Permission Modified**.

There are options to change the settings for **File Name, File Location, Who, Operation, and From** using the tabs at the top of this dialog box.

The threshold alert options can be customized as follows:

 Threshold Alert:
 Check this box to switch threshold alerting on

 Send alert only if event occurs:
 Enter the number of times the event occurs, the time value and time-period here

Click Next

The **Alert Settings** dialog box is displayed:



| Click 'Add' to se | lect action for alert. |          |  | Add | Remove |
|-------------------|------------------------|----------|--|-----|--------|
| Action            | Details                |          |  |     |        |
|                   |                        |          |  |     |        |
|                   |                        |          |  |     |        |
|                   |                        |          |  |     |        |
|                   |                        |          |  |     |        |
|                   |                        |          |  |     |        |
|                   |                        |          |  |     |        |
|                   |                        |          |  |     |        |
| Alert Type :      | Critical               | <b>.</b> |  |     |        |

#### Figure 12: Alert Settings

This dialog box allows you to set up responses to occur when an alert has been triggered and displays any existing responses which have been set up. You can also change the **Alert Type**.

• To create a new response to an alert, click the **Add** button.

The **Add Alert Action** dialog box will be displayed:

| Select Action : Ser | nd Email Alert | •   |        |  |
|---------------------|----------------|---|--------|--|
| lease select or a   | add new sen    | der's email account, add recipient(s).                          |        |  |
| Sender/Recipient -  |                |   |        |  |
| Sender's Ema        | ail Account :  | JILL   Add New Email Account                                    |        |  |
| Recipient Em        | ail(s):        |   |        |  |
|                     |                |   |        |  |
|                     |                |   |        |  |
|                     |                |   | ~      |  |
|                     |                | <   | >      |  |
|                     |                |   |        |  |
|                     |                | Separate multiple emails by ","                                 |        |  |
|                     |                | Separate multiple emails by ","                                 |        |  |
| Send Act            | ions for past  | Separate multiple emails by ","<br>Days                         |        |  |
| Send Act            | ions for past  | Separate multiple emails by "," Days                            |        |  |
| Send Act            | ions for past  | Separate multiple emails by "," Days                            | ^      |  |
| Send Acti           | ions for past  | Separate multiple emails by "," Days                            | ^      |  |
| Send Acti           | ions for past  | Separate multiple emails by "," Days                            | ~ ~    |  |
| Send Acti           | ions for past  | Separate multiple emails by "," Days                            | ×<br>> |  |
| Send Act            | ions for past  | Separate multiple emails by "," Days Report Format              | ×<br>× |  |
| Send Acti           | ions for past  | Separate multiple emails by "," Days  Report Format CSV MHT PDF | >      |  |
| Send Acti           | ions for past  | Separate multiple emails by "," Days Report Format CSV MHT PDF  | ×<br>> |  |
| Send Act            | tions for past | Separate multiple emails by "," Days Keport Format CSV MHT DPF  | >      |  |

Figure 13: Add Alert Action

• Click the **Select Action** drop down arrow to see a list of actions available:

| elect Action : |                                     |                   |                    |   |     |           |         |   |
|----------------|-------------------------------------|-------------------|--------------------|---|-----|-----------|---------|---|
|                | Send Email Alert                    |                   |                    |   | *   |           |         |   |
| lease select   | Show in LiveFeed                    |                   |                    |   |     | ent(s).   |         |   |
| Sender/Recipi  | Send Alert to App<br>Execute Script |                   |                    |   |     |           |         |   |
| Sender's       | Email Account :                     | JILL              |                    | Ŧ | Add | New Email | Account |   |
| Recipien       | t Fmail(s):                         |                   |                    |   |     |           |         |   |
| Recipien       | it cinal(s).                        |                   |                    |   |     |           |         | 1 |
|                |                                     |                   |                    |   |     |           |         |   |
|                |                                     |                   |                    |   |     |           |         |   |
|                |                                     | <                 |                    |   |     |           |         |   |
|                |                                     |                   |                    |   |     |           |         |   |
| Send           | d Actions for past                  |                   | Days               |   |     |           |         |   |
| Send           | d Actions for past                  |                   | Days               |   |     |           |         | , |
| Send           | d Actions for past                  |                   | Days               |   |     |           |         | , |
| Seno           | d Actions for past                  |                   | Days               |   |     |           |         |   |
| Seno           | d Actions for past                  | <                 | Days               |   |     |           |         | > |
| Seno           | d Actions for past                  | <<br>Report Form  | Days               |   |     |           |         | > |
| Seno           | d Actions for past                  | <     Report Form | Days<br>nat<br>CSV |   | IHT | DPDF      |         | > |

Figure 14: Add Alert Action Options

The Alert Actions are:

- Send Email Alert
- Show in LiveFeed
- Send Alert to App
- Execute Script

The configuration of each of these actions is explained as follows:

1. Send Email Alert

|  | <b>*</b>                               |     |
|--|--|-----|
| lease select or add new sen                  | der's email account, add recipient(s). |     |
| Sender/Recipient<br>Sender's Email Account : | JILL   Add New Email Account           |     |
| Recipient Email(s):                          |  | ^   |
|  |  |     |
|  |  | ~   |
|  |  | >   |
|  | Separate multiple emails by ","        |     |
| Send Actions for past                        | Days                                   |     |
|  |  | ^   |
|  |  |     |
|  |  | , v |
|  |  |     |
|  | Report Format                          |     |
|  | Report Format                          |     |

Figure 15: Add Alert Action - Send Email Alert



This option allows you to send an email once an alert has been triggered. The elements of the dialog box are as follows:

| Sender's Email Account:        | The Sender's email account will be displayed here if it has been selected. Click <b>Add New Email Account</b> to enter a new Sender's Email Account  |
|--------------------------------|--|
| Recipient Email(s):            | Add recipient emails by typing the email addresses into the box. If there are multiple email addresses. separate them with a ','   |
| Send Actions for past xx days: | This option allows you to see everything that this user has done over the last<br>number of specified days. For example, if an alert is triggered because<br>permissions have been changed for a sensitive document, you may want to see<br>what else has been happening for that account. Check this box and specify the<br>number of days and an email will be sent with an attachment listing everything<br>that the user has done over the specified number of days.<br>The attachment will contain a report and the format(s) can be specified by<br>checking the relevant box. The formats are CSV, MHT and PDF. |

• Click **OK** to save the alert action.



#### 2. Show in LiveFeed

|                                       | × |
|---------------------------------------|---|
| Add Alert Action                      |   |
| Select Action : Show in LiveFeed      |   |
|                                       |   |
|                                       |   |
| Click OK button to set LiveFeed Alert |   |
|                                       |   |
|                                       |   |
|                                       |   |
|                                       |   |
|                                       |   |
|                                       |   |
| OK Cancel                             |   |

Figure 16: Add Alert Action – Show in LiveFeed

**Show in LiveFeed** means that the alert will be sent to the Lepide dashboard.

• Click **OK** to switch the **LiveFeed** alert on.

3. Send Alert to App

|   | ×               |
|---|-----------------|
| Add Alert Action                              |                 |
| Select Action : Send Alert to App             |                 |
| Select sender's app account, add new account. |                 |
| Sender / Recipient                            | Add App Account |
|   | ^               |
|   |                 |
|   |                 |
|   |                 |
|   | ~               |
| <   | >               |
|   |                 |
|   |                 |
|   |                 |
|   |                 |
| OK Cancel                                     |                 |

Figure 17: Add Alert Action – Send Alert to App

The **Send Alert to App** option sends the alert to a mobile device.

• Click **Add App Account** to add a new mobile account. The following dialog box is displayed:

|  | × |
|--|---|
| Add App Account  |   |
| Please enter login credentials for using both Windows and Mobile App |   |
| User ID :  |   |
| Password :   |   |
| Mobile App ID : 937238E5-AE51-4295-8313-FE4771138768                 |   |
| NOTE : Use this App ID to configure App on Android, iOS and Windows. |   |
|  |   |
| OK Cancel  |   |

Figure 18: Add App Account

- Enter the User ID and Password
- Enter the **Mobile App ID** which is generated by using the mobile device to scan the QR code displayed at the bottom of the dialog box.
- Click **OK**

4. Execute Script

|                      |                     |          |   |             | × |
|----------------------|---------------------|----------|---|-------------|---|
| Add Alort Actic      | 2                   |          |   |             |   |
| Add Alert Actic      | n.                  |          |   |             |   |
| Select Action : Exec | ute Script          | -        | ] |             |   |
|                      |                     |          |   |             |   |
| File Path :          |                     |          |   |             |   |
| Run with SYSTEM      | account             |          |   |             |   |
| ORun with selected   | account             |          | Ŧ | Add Account |   |
| Notify me when s     | cript is executed C | onfigure |   |             |   |
|                      |                     |          |   |             |   |
|                      |                     |          |   |             |   |
|                      |                     |          |   |             |   |
|                      |                     |          |   |             |   |
|                      |                     |          |   |             |   |
|                      |                     |          |   | Test Script |   |
|                      |                     |          |   |             |   |
|                      |                     |          |   |             |   |
|                      |                     |          |   |             |   |
|                      |                     |          | _ |             |   |
|                      | OF                  | ( Cancel |   |             |   |

Figure 19: Add Alert Action – Execute Script

The last action from the drop-down menu is **Execute Script** 

This sets up the option to execute one of the predefined PowerShell scripts when an alert is triggered.

The elements of the dialog box are as follows:

**File Path:** Browse to choose the file path of the PowerShell script by clicking

Choose either Run with SYSTEM account or

#### Run with selected account.

If you choose **Run with selected account**, you can use the drop-down to select the account or click **Add Account** to specify the account to be used.

Choose **Notify me when a script is executed** to send an email on script execution.

When this option is checked, the **Configure** button becomes available. Choose **Configure** to set up the sender's account and recipient's email address.

- Click **Test Script** to test that the specified script runs with no errors.
- Click **OK** to return to the **Alert Settings** dialog box.

| Action     | Detaile             | Add Remove |
|------------|---------------------|------------|
| Mobile App | Account Name : PAUL |            |
|            |                     |            |
|            |                     |            |
|            |                     |            |
|            |                     |            |
|            |                     |            |
|            |                     |            |

#### Figure 20: Alert Settings

- Now choose the **Alert Type** which can be Critical, Warning or Normal
- Click **Next** to continue
- The **Confirmation** dialog box is displayed with the alert details.
- Click Finish to return to the States & Behavior screen



## 9.Support

If you are facing any issues whilst installing, configuring or using the solution, you can connect with our team using the contact information below.

#### **Product Experts**

USA/Canada: +1(0)-800-814-0578 UK/Europe: +44 (0) -208-099-5403 Rest of the World: +91 (0) -991-004-9028

#### **Technical Gurus**

USA/Canada: +1(0)-800-814-0578 UK/Europe: +44 (0) -208-099-5403 Rest of the World: +91(0)-991-085-4291

Alternatively, visit <u>https://www.lepide.com/contactus.html</u> to chat live with our team. You can also email your queries to the following addresses:

sales@Lepide.com

support@Lepide.com

To read more about the solution, visit <u>https://www.lepide.com/data-security-platform/</u>.

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