# %Lepide

**USE CASE GUIDE** 

# HOW TO DETECT & RESPOND TO A RANSOMWARE ATTACK USING LEPIDE

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## 1.Introduction

Ransomware is a serious threat to the security of any IT environment. Even though endpoint protection is highly effective it can never fully protect against every form of attack and so ransomware can still get through.

With the knowledge that attacks can and will happen, it's crucial to look at what can be done to contain any damage and ensure that the risk and spread of an attack is mitigated.

The focus at Lepide is to provide visibility over what's happening with your data. Through visibility, you can speed up the detection of potential ransomware and automate your response. The Lepide Solution supports a wide array of enterprise data stores.

This guide is in two parts. The first explains the ways in which you can use Lepide Data Security Platform to detect and respond to a threat. The second section gives step-by-step instructions on how to configure the Ransomware Threat Model which includes alert and response settings.

# 2. Detecting a Potential Attack

The immediate detection of any suspicious change activity is crucial to containing a ransomware attack. With the Lepide Data Security Platform, detection is in real time and involves threshold alerting, anomaly spotting and the use of threat models.

## 2.1. Threshold Alerting

Typical ransomware attacks display characteristics which can be picked up by the Lepide threshold alerting capability. This ability to detect and alert on file activity which may be suspicious means that potential ransomware attacks can be identified in motion and immediate action taken.

For example, if a large number of files are being renamed within a short time this is a trend that could indicate the start of a ransomware attack. This suspicious activity would trigger an alert, the activity would then be investigated, and the appropriate action taken. For critical alerts, responses can be automated to provide immediate action which could be to shut down a server or revoke user access rights.

Three different criteria are used to define threshold alerts:

- 1. Number of events
- 2. Type of event
- 3. Time period



So, for example, if **100** files were **renamed** within **20** seconds, an alert would be activated as this indicates the start of a ransomware attack. These different criteria options can be set by the User to suit their requirements.

|                    | Acces Governance Insights Risk Analysis 300<br>Technology and a second sec | iter File Server SQL Server SharePo                                 | nt Server Domain    | Fires classified | Group modifications today | Information updated on : 11<br>366705<br>Star fires | - 6<br>3                    |
|--------------------|--|---|---------------------|------------------|---------------------------|---|-----------------------------|
| iveFeed            | reshold Alert for File Server (ldpc179)•<br>03/2021 309:11 PM<br>ert Name: FS Jefts<br>port Name: /dpc1179/File Server/\File Server<br>time: 11/03/2021 308:11 PM End 1<br>tal Records: 4982   | r Modification Alerts All Modificatio<br>ime: 11/03/2021 3:09:11 PM | ons in File Server\ |                  |                           |   | Create Nor.                 |
| Alex<br>Sta<br>Tot | reshold Alert for File Server (dipc179)+<br>03/2021 3:06:30 PM<br>rt Name: F5 Alerts<br>port Name: L6pc179/File Server)/File Server<br>rt Time: 11/03/2021 3:05:30 PM End 1<br>tal Records: 9981   | r Modification Alerts All Modificatio<br>ime: 11/03/2021 3:06:30 PM | ons in File Server\ |                  |                           |   |                             |
| •The               | reshold Alert for File Server (ws16-sonu1)-  | $\wedge$  |                     | -                |                           | Activate Win<br>Go to Settings to                   | ndows<br>5 activate Windows |

All alerts are real time and are delivered either to the Lepide Dashboard, via email or directly to any iOS or

Android mobile device.

Below is an example of a Threshold alert on the Lepide Dashboard:

Figure 1: Threshold Alert

## 2.2. Anomaly Spotting

The Lepide anomaly detection technology allows you to spot and react to anomalous or unique user behavior. This machine learning establishes a baseline for normal user behavior and then alerts are generated whenever this behavior deviates from this norm. Even single point anomalies can be detected.

Once an anomaly has been identified, automated threat responses can take effect to contain threats before they cause irreparable damage.

Examples of anomalies in user behavior include copying files with sensitive data, logging onto the server out of hours, or simply acting strangely based on learned behavior.

Below is an example of an Anomaly alert on the Lepide Dashboard:

| Actors Governance Insights Risk Analysis 30   | View Tile Server SOL Server Sharefu<br>Tile copied today<br>Tiles copied today<br>Tilefolder permission changes today | Domain Domain Domain   | 415773<br>File: classified                  | 0<br>Group modifications today | Information updated on : 11/21/2021 62130 |
|---|---|--|---|--------------------------------|---|
| Feed Anomaly Detected•  |   |  |   |                                | Croste Alas                               |
| Administrator Failed Logon 1 object(s)  | at 11/23/2021 6:11:45 PM from SH  | ASHI16. This activity has never been                                       | seen before.                                |                                |   |
| 11/23/2021 6:11:45 PM     Administrator Failed Logon 1 object(s)     •Anomaly Detectet•     11/23/2021 6:11:40 PM     shashi@www.ldsp5.com Failed Logon | at 11/23/2021 6:11:45 PM from SH<br>1 object(s) at 11/23/2021 6:11:40 PM  | ASHI16. This activity has never been<br>4 from NDRT4-SHASHI. This activity | seen before.<br>has never been seen before. |                                |   |

Figure 2: Anomaly Alert

Once an alert has been received, an Alert Summary is available to provide information about the potential attack. The details of the activity triggering the alert can then be further investigated using the **All Modifications in File Server** report.

| ermission & Privileges 🛛 🕅                    | Alert Summary    |            |               |                        |           |       |                   |                                | Ŧ  |
|---|------------------|------------|---------------|------------------------|-----------|-------|-------------------|--------------------------------|--|
| G Access Governance Dashboard                 | 7 Alert Action   | +          | When          |                        |           |       |                   |                                |  |
| Historic Permissions Analysis                 | 7 Alert Type     | +          | Today         |                        |           |       |                   |                                |  |
| Current Permission Analysis                   | 7 Alert Name     | +          |               |                        |           |       |                   |                                |  |
| Permissions by User                           | 7 Million        | -          |               |                        |           |       |                   |                                |  |
| Permissions by SharePoint Objects             | 1 which          |            |               |                        |           |       |                   |                                |  |
| Permissions by Mailbox                        | 1 Threshold      | +          |               |                        |           |       |                   |                                |  |
| Rick Analysis                                 | Y Who            | +          |               |                        |           |       |                   |                                |  |
| Excessive Permissions by Object               | T Operation      | +          |               |                        |           |       |                   |                                |  |
| Excessive Permissions by User                 | Component N      | lame +     |               |                        |           |       |                   |                                | S  |
| Sensitive Data     Sensitive Cites hur Manage | 7 Delivery Statu | is +       |               |                        |           |       |                   |                                | Generate Rep   |
| Open Shares                                   |                  |            |               |                        |           |       |                   | Total Records : 225            |  |
| - 📶 Alert Summary                             | Alert Action     | Alert Type | Nort Name     | When                   | Threshold | Who   | Operation         | Component Name Delivery Statut | Details  |
| Activity Outside of Business Hours            | Q                | 0 0        | )             | p                      |           | Q     | Q                 | 9 9 9                          | and the second sec |
| Password Older than N Days                    | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:18:36 PM  | No        | N0A   | Anomaly Analysis  | File Server Failed             | l enide  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:18:34 PM  | No        | NA    | Anomaly Analysis  | Active Directory, Failed       | Lepide   |
| External Data Sharing 0365                    | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:18:34 PM  | No        | MA    | Anomaly Analysis  | File Server Failed -           |  |
| Open AWS S3 Buckets                           | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:18:30 PM  | No        | MA    | Anomaly Analysis  | Active Directory, Failed       |  |
| (a) All shares                                | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:18:27 PM  | No        | N\A   | Anomaly Analysis  | Active Directory, Failed       | Attention!   |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:18:22 PM  | No        | N\A   | Anomaly Analysis  | Active Directory, Failed       | / teentronn  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:18:18 PM  | No        | N\A   | Anomaly Analysis  | Active Directory, Failed       | shashi@www.ldsp5.com Failed Logon 1 object(s) at   |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:18:14 PM  | No        | N/A   | Anomaly Analysis  | Active Directory, Failed       | 11/23/2021 6:09:38 PM from NDRT4-SHASHI. This a  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:18:10 PM  | No        | N\A.  | Anomaly Analysis  | Active Directory, Failed       | has never been seen before.  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:18:07 PM  | No        | N/A   | Anomaly Analysis  | Active Directory, Failed       | Theories   |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:18:03 PM  | No        | NNA.  | Anomaly Analysis  | Active Directory, Failed       | Thanks   |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:17:59 PM  | No        | N/A   | Anomaly Analysis  | Active Directory, Failed       | Lepide Team  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:17:55 PM  | No        | NI,A  | Anomaly Analysis  | Active Directory, Failed       |  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:17:51 PM  | No        | MA    | Anomaly Analysis  | Active Directory, Failed       |  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:17:46 PM  | No        | N/A   | Anomaly Analysis  | Active Directory, Failed       |  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:17:46 PM  | NO        | N\A   | Anomaly Analysis  | Active Directory, Failed       |  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:17:42 PM  | NO        | NA    | Anomaly Analysis  | Active Directory, Failed       |  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:17:36 PM  | No        | NV/A  | Anomaly Analysis  | Active Directory, Failed       |  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/25/2021 6:17:55 PM  | No        | NV(A  | Anomaly Analysis  | Active Directory, Failed       |  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6-17-26 PM  | No        | NBA   | Anomaly Analysis  | Active Directory Failed        |  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6-17-22 PM  | No        | NBA   | Anomaly Analysis  | Active Directory Failed        |  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:17:17 PM  | No        | NA    | Anomaly Analysis  | Active Directory, Failed       |  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:17:14 PM  | No        | NA.   | Anomaly Analysis  | Active Directory, Failed       |  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:17:10 PM  | No        | MA    | Anomaly Analysis  | Active Directory, Failed       |  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:17:06 PM  | No        | MA    | Anomaly Analysis  | Active Directory, Failed       |  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:15:32 PM  | No        | N/A   | Anomaly Analysis  | Active Directory, Failed       |  |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:15:29 PM  | No        | NA.   | Anomaly Analysis  | Active Directory, Failed       | Activate Mindows   |
|   | Email Alert      | Critical   | Anomaly Alert | 11/23/2021 6:15:24 PM  | No        | N\A   | Anomaly Analysis  | Active Directory, Failed       | Go to Settings to activate Mindows   |
|   | , Fenail Alart   | contract   | Anomali Alart | 11/22/2021 2:12:20 014 | hin       | A.0.4 | Anomalii Anabicie | Active Directory Spilled       | go to be unigs to activate withows.  |

Figure 3: Alert Summary

## 2.3. Threat Model for Ransomware

Real time alerts are generated whenever a potential threat is detected by enabling one of many pre-defined Threat Models.

To see all the threat models available within the Lepide Data Security Platform, click the **Alerts** icon **Alerts** and the following screen will be displayed:

| nta Security Platform - Edition 21.1 eat Models Change Alerts Health Alerts |                                    |                                 |                               |
|---|------------------------------------|---------------------------------|-------------------------------|
| Threat Models   |                                    |                                 |                               |
| Potential brute force attack  | Mass delete behaviors (OU)         | Mass delete behaviors (User)    | Potential business disruption |
| Increased threat surface area   | Mass delete behaviors (Computer)   | Potential password compromises  | Mass delete behaviors (Group) |
| Group modifications   | Modifications to critical groups   | Permissions escalation (Groups) | Mass data copy (FS)           |
| Potential ransomware attack   | Increased threat surface area (FS) | Mass delete behaviors (FS)      | Critical files moved          |
| Permissions escalation (File)   | Permissions escalation (Folder)    | Ownership modifications         | Potential data leakage        |
|   |                                    |                                 |                               |
|   |                                    |                                 |                               |

Figure 4: Threat Models

The Threat Models can be enabled as needed. They can then be configured to generate an alert and respond to a threat.

# 3. Responding to a Potential Attack

Once alerts have been received, automated scripts can be executed to speed up the response time and address any threats immediately. Using custom script execution, user accounts and/or file servers can be shut down and other actions taken to prevent malware from spreading.

With a detailed and complete audit trail of all changes being made to your data, permissions and systems, the Lepide Data Security Platform can provide your security operations team with the information they need to investigate incidents faster and more efficiently.

#### Improve Incident Response and Integrate with your SIEM

The Lepide Data Security Platform can integrate with any SIEM solution to simplify your ransomware response. The Solution can be configured to send specific events to your SIEM and give more context to the raw audit data.

# 4.How to Enable and Configure the Ransomware Attack Threat Model

Click the **Alerts** icon from the left-hand toolbar to display all the Threat Models available. To enable the **Potential Ransomware Attack Threat Model**, move the slide toggle to the right.



Figure 5: Enable the Potential Ransomware Attack Threat Model

Click the 🖋 icon to configure the alerts and responses you require.

This will start a wizard:

|   |                |                | ×      |
|---|----------------|----------------|--------|
| Please select the report(s)                           |                |                |        |
|   |                |                |        |
| Click next to apply further filters around your alert |                |                |        |
|   |                |                |        |
|   |                |                |        |
|   |                |                |        |
|   |                |                |        |
|   |                |                |        |
|   | < <u>B</u> ack | <u>N</u> ext > | Cancel |

Figure 6: Wizard to Configure Alerts



Click **Next** to display the Set Filter(s) dialog box:

| Set Filter(s)                              |   | × |
|--|---|---|
| Please select operations to set the filter | s). (Optional)           Image: Server         Who         Object Name         Object Path         Operation         Process         Image: Server         Process         Image: Server  |   |
|  | Include All   Genver  |   |
|  | Threshold Alert     Send alert only if event occurs 5 times in 1 Minute(s)  |   |
| <  | Control dicht offing in Orden in Occurring in Occurr |   |

*Figure 7: Set Filters for the Threat Model* 

The **Set Filter(s)** dialog box enables you to set up an alert.

On the left of the dialog box, you can see the Threat Model you are working on which is Potential ransomware attack.

There are options to change the settings for Server, User, Object Name, Object Path, Operation, Process and From using the tabs at the top of this dialog box. The default setting for all these options is All.

The threshold alert options can be customized as follows:

| Threshold Alert:                               | Check this box to switch threshold alerting on  |
|--|---|
| Send alert when all changes made by same user: | Check this if you want an alert to be sent when all changes have been made by a single user |
| Send alert only if event occurs:               | Change the number of times the event occurs, the time value and time-period here            |

Click Next.



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

| Action         |  | 1011010 |
|----------------|--|---------|
| Email          | Sender's Email : LEPIDE; Recipient's Email : paul@lpde1.local; <sendemailtouser>NO&lt;\SendEmailToUser&gt;SendEmailToUser&gt;NO&lt;\SendEmailToUser&gt;SendEma</sendemailtouser> | ser>    |
| Execute Script | Sender's Email : N/A; Recipient's Email : N/A; Script Path : C:\disableuser.bat; Profile Name : SYSTEM; F<br>Generate LiveFeed Alert   | Paramet |
|                |  |         |
|                |  |         |
|                |  |         |
|                |  |         |
|                |  |         |
|                |  |         |
|                |  |         |
|                |  |         |
|                |  |         |

Figure 8: Add 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:

|  |  | × |
|--|--|---|
| Add Alert Action                             |  |   |
| Select Action : Send Email Alert             | *  |   |
| Please select or add new sen                 | der's email account, add recipient(s).   |   |
| Sender/Recipient<br>Sender's Email Account : | LEPIDEALERTS   Add New Email Account   |   |
| Recipient Email(s):                          | ^  |   |
|  | ب<br>د   |   |
|  | Separate multiple emails by ","  |   |
| Send Email to user                           | Hello %USERNAME%,  |   |
|  | you have received this notification because you have violated the user policy. |   |
|  | <  |   |
|  | Use %USERNAME% for user name .   |   |
| Note : Send Email to User o                  | ption is applicable for File Server alerts only.                               |   |
|  |  |   |
|  |  |   |
|  |  |   |
|  |  |   |
|  |  |   |
|  | OK Cancel  |   |

Figure 9: Add Alert Action

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

|                                  |  | ×   |
|----------------------------------|--|-----|
|                                  |  |     |
| Add Alert Action                 |  |     |
|                                  |  |     |
| Select Action : Send Email Alert | *  |     |
| Please select Show in LiveFeed   | ent(s).  |     |
| Sender/Recipie Execute Script    |  |     |
| Sender's Email Account :         | LEPIDEALERTS   Add New Email Account             |     |
| Recipient Email(s):              |  | ~   |
|                                  |  |     |
|                                  | < 2  |     |
|                                  | Separate multiple emails by ","                  |     |
| Send Email to user               | Hello %USERNAME%,                                | ^   |
|                                  | you have received this notification because you  |     |
|                                  | have violated the user policy.                   |     |
|                                  | <  | × * |
|                                  | Use %USERNAME% for user name                     |     |
| Note : Send Email to User o      | ption is applicable for File Server alerts only. |     |
|                                  |  |     |
|                                  |  |     |
|                                  |  |     |
|                                  |  |     |
|                                  |  |     |
|                                  |  |     |
|                                  |  |     |
|                                  | OK Cancel  |     |

Figure 10: Add Alert Action Options

The Alert Actions are as follows:

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

The configuration of each of these actions is explained below:

1. Send Email Alert

|                                  |  | × |
|----------------------------------|--|---|
|                                  |  |   |
| Add Alert Action                 |  |   |
|                                  |  |   |
|                                  |  |   |
| Select Action : Send Email Alert | · ·  |   |
|                                  |  |   |
| Please select or add new ser     | ider's email account, add recipient(s).          |   |
| Sender/Recipient                 |  |   |
| Sender's Email Account :         | LEPIDEALERTS   Add New Email Account             |   |
| Recipient Email(s):              |  |   |
|                                  | <u>^</u>   |   |
|                                  | ×  |   |
|                                  | < >  |   |
|                                  | Separate multiple emails by ","                  |   |
| Send Email to user               | Hello %USERNAME%,                                |   |
|                                  |  |   |
|                                  | have violated the user policy.                   |   |
|                                  | v  |   |
|                                  | < >  |   |
|                                  | Use %USERNAME% for user name .                   |   |
| Note : Send Email to User o      | ption is applicable for File Server alerts only. |   |
|                                  |  |   |
|                                  |  |   |
|                                  |  |   |
|                                  |  |   |
|                                  |  |   |
|                                  |  |   |
|                                  |  |   |
|                                  | OK Cancel  |   |

Figure 11: 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 Email to user:     | Check this box to send an email to the user. The content of the email can be typed into the text box. To include the username within the content, use the variable %USERNAME%. <b>Note</b> that this option is only applicable to File Server alerts. |

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 12: 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. |                 |
|   | Add App Account |
| Sender / Recipient                            |                 |
|   | ^               |
|   |                 |
|   |                 |
|   |                 |
|   |                 |
| <   | >               |
|   |                 |
|   |                 |
|   |                 |
|   |                 |
|   |                 |
|   |                 |
| OK Cancel                                     |                 |

Figure 13: 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 14: 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 Alert Action   |                            |               |             |   |
| Select Action : Execute Script   |                            | *             |             |   |
|  |                            |               |             |   |
| File Path :  |                            |               |             |   |
| Run with SYSTEM account  |                            |               |             |   |
| Run with selected account  |                            | Ŧ             | Add Account |   |
| Notify me when script is executed  | Configure                  |               |             |   |
|  |                            |               |             |   |
|  |                            |               |             |   |
|  |                            |               |             |   |
|  |                            |               |             |   |
|  |                            |               |             |   |
|  |                            |               |             |   |
| Parameterized input file contains Note: This option is applicable for f    | Who ile server reports.    | - Information | Test Script |   |
| Parameterized input file contains<br>Note: This option is applicable for f | Who<br>ile server reports. | ✓ Information | Test Script |   |
| Parameterized input file contains<br>Note: This option is applicable for f | Who<br>ile server reports. | - Information | Test Script |   |
| Parameterized input file contains<br>Note: This option is applicable for f | Who<br>ile server reports. | - Information | Test Script |   |

Figure 15: 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.

Choose **Parameterized input file contains** to specify a variable to include in the script. When this option is checked, a drop-down menu becomes available to choose a variable:

| Who             | Ψ. |
|-----------------|----|
| Who             |    |
| Where           |    |
| FileServer      |    |
| WhoWhere        |    |
| WhoFileServer   |    |
| WhereFileServer |    |
| All             |    |

Figure 16: List of Variables

Click **Test Script** to test that the specified script runs with no errors.

Click **OK** to return to the **Alert Settings** dialog box.

| Action         | Add   | Remove     |
|----------------|---|------------|
| Email          | Sender's Email : LEPIDE; Recipient's Email : paul@lpde1.local; <sendemailtouser>NO&lt;\SendEmailTo</sendemailtouser>              | oUser>     |
| Execute Script | Sender's Email : N/A; Recipient's Email : N/A; Script Path : C:\disableuser.bat; Profile Name : SYSTEI<br>Generate LiveFeed Alert | M; Paramet |
| 2101000        |   |            |
|                |   |            |
|                |   |            |
|                |   |            |
|                |   |            |
|                |   |            |
|                |   |            |
|                |   |            |
|                |   |            |

Figure 17: Alert Settings - Alert Type Options

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 Threat Models screen.

# 5.Support

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

## **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 https://www.lepide.com/data-security-platform/.

# 6.Trademarks

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