USER GUIDE

LEPIDE WEB CONSOLE

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1 Introduction

The Lepide Web Console provides an accessible and user-friendly interface for the Lepide Data Security Platform, offering a modern, logical, and intuitive layout making it easier to interrogate data with custom filters, and columns.

2 Requirements and Prerequisites

To work with the Lepide Web Console, you will need to have installed and configured the Lepide Data Security Platform and have appropriate rights to access Active Directory.

2.1 System Requirements

- Required Processor
  - Minimum dual-core processor
  - Recommended quad-core processor
- Required RAM
  - Minimum 8 GB RAM
  - Recommended 16 GB RAM
- Required free disk space
  - Minimum 1 GB
  - Recommended 2 GB
- Any of the following 32 bit or 64 bit Windows Operating Systems.
  - Windows Server OS: Any Server above and including 2008 R2
- Any of the following SQL Servers (local or network hosted) for storing auditing logs:
  - Any SQL Server above and including SQL Server 2005 (standard or enterprise)
- .NET Framework 4.0 or later

Supported Web Browsers:

The LDSP Web Console can run in any of the following web browsers:

- Google Chrome (latest publicly released version)
- Microsoft Edge (latest publicly released version)
- Mozilla Firefox (latest publicly released version)
- Safari (latest publicly released version)

NOTE:	Internet Explorer is no longer supported

3 How to Install the LDSP Web Console

- Double click the LDSP Web Console installation file **LDSP Web Console.exe**

3.1 Application File Location

- If you have downloaded the Solution using the link from the Lepide website the .exe file will be located in the Web Console Folder which is found in the LepideDSP zip folder:

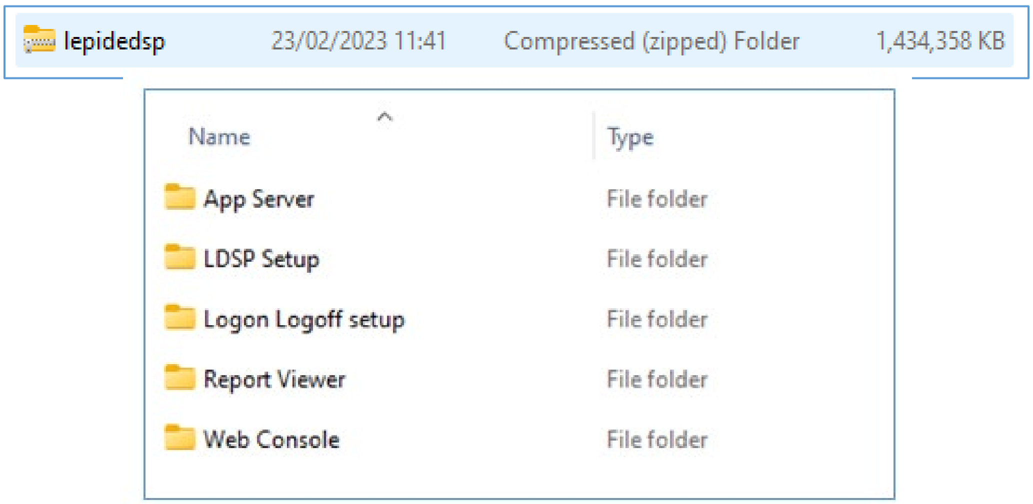


Figure 2: Web Console Folder

- Unzip the lepidedsp folder to show the following folders:

- Open the Web Console folder to see the LDSP Web Console Application file:

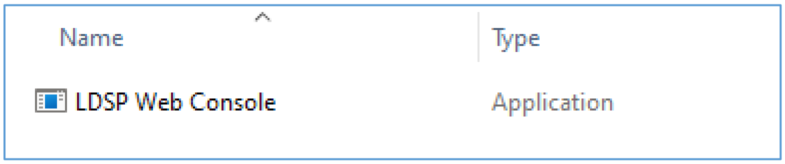


Figure 3: Web Console Exe File

- If you are installing the web console on a virtual appliance, the .exe file will be located on the C Drive of the virtual appliance.

- Respond to the security warning if it appears:

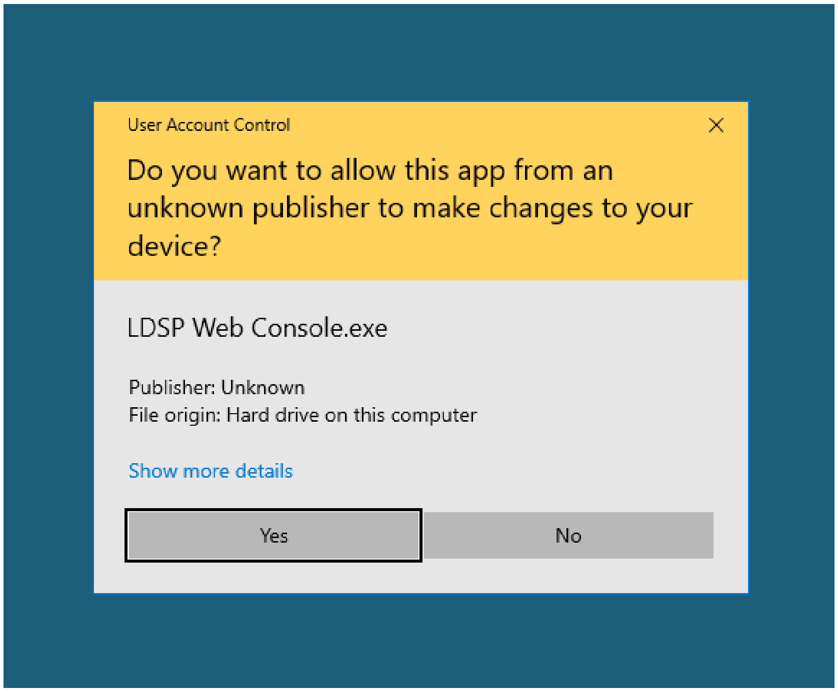


Figure 4: Security Warning

The LDSP Web Console Setup Wizard should automatically start. The first screen of the Wizard is shown below:

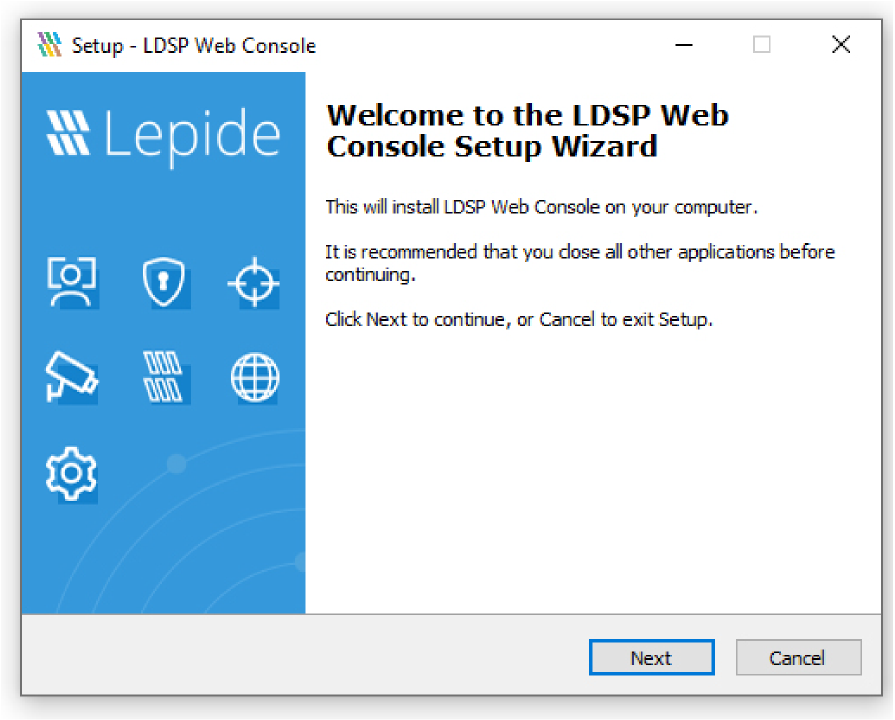


Figure 5: Setup Wizard

- Click **Next** and continue through each stage of the Wizard. Once you have reached the end, you should see the following screen:

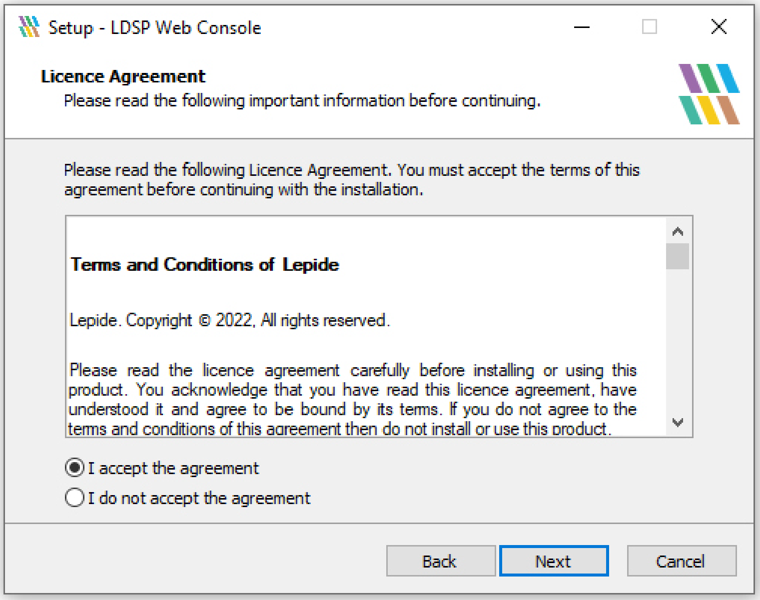


Figure 6: Accept Licence Agreement

- Accept the License Agreement and click **Next**
- The following screen is displayed:

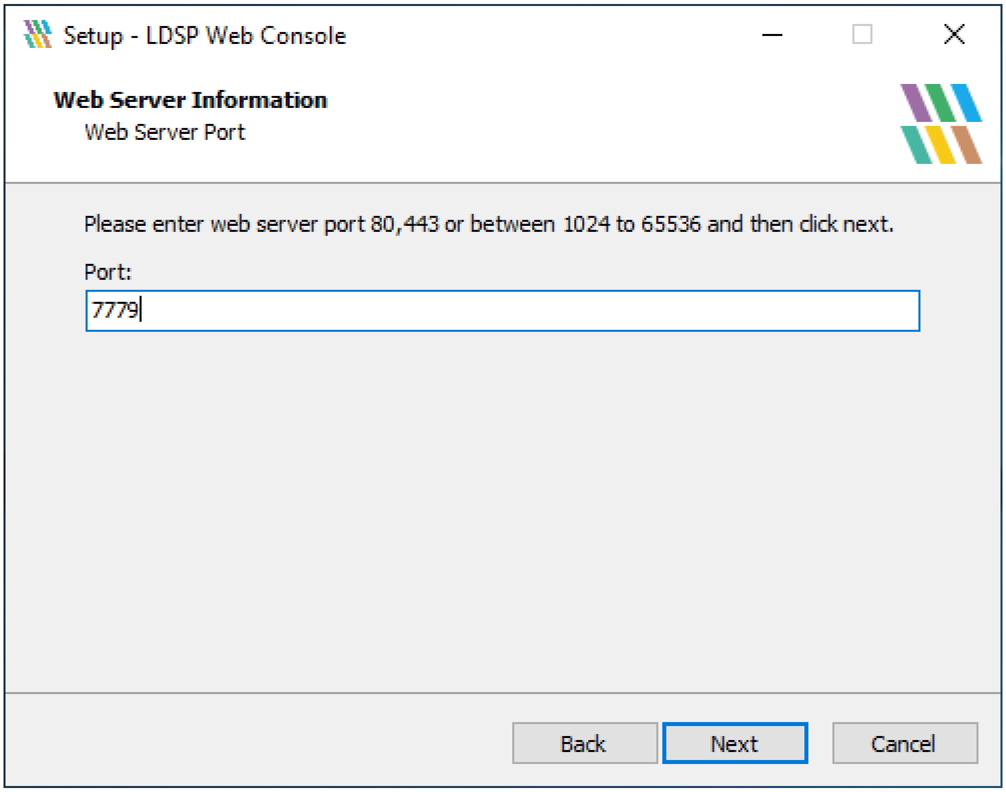


Figure 7: Web Server Port

- Add the web server port number. The default port of 7779 is the default used by the Lepide Web Console but you can use any free port you have available.
- Click **Next**

- The following dialog box appears:

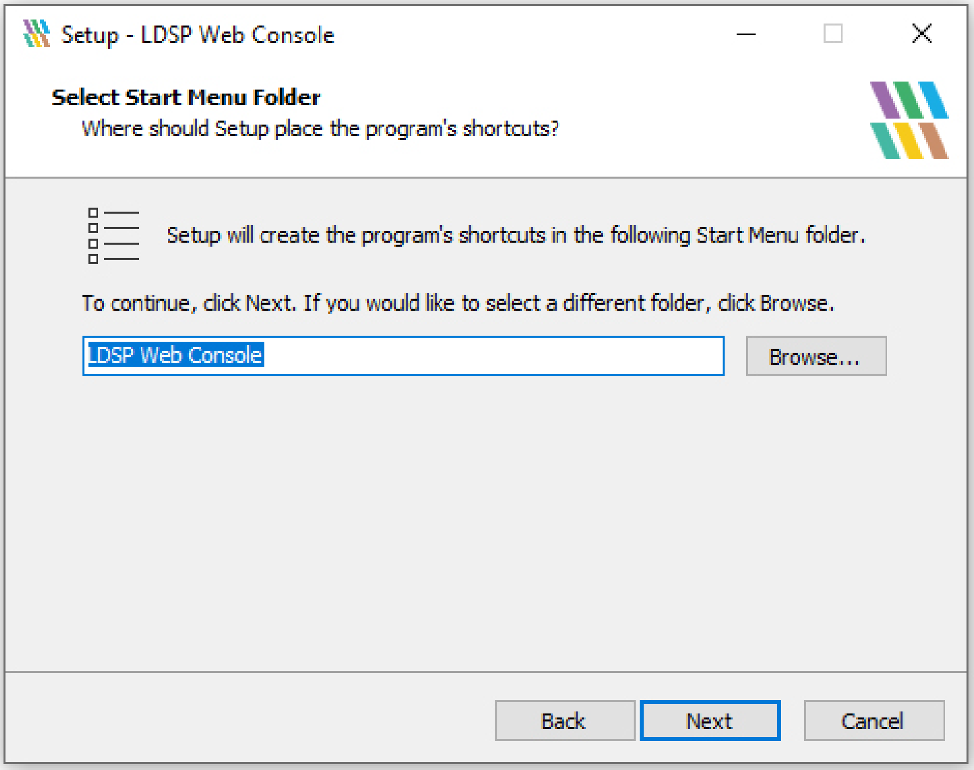


Figure 8: Select Start Menu Folder

- Choose whether to accept the default folder for the shortcuts or select a different one
- Click **Next** to continue

- From the following dialog box, choose any additional tasks you would like setup to perform during installation

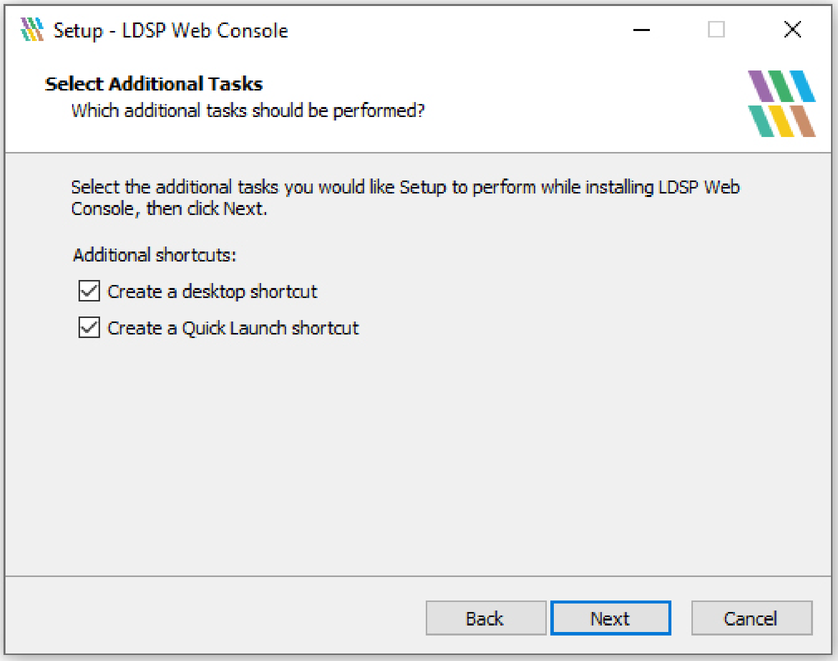


Figure 9: Select Additional Tasks

- Click **Next** to continue

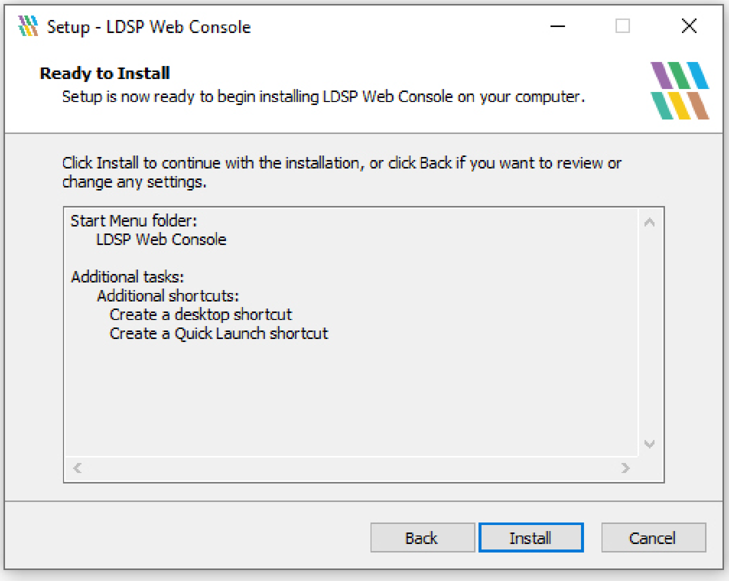


Figure 10: Ready to Install

- Click the **Install** button and wait for the installation to finish

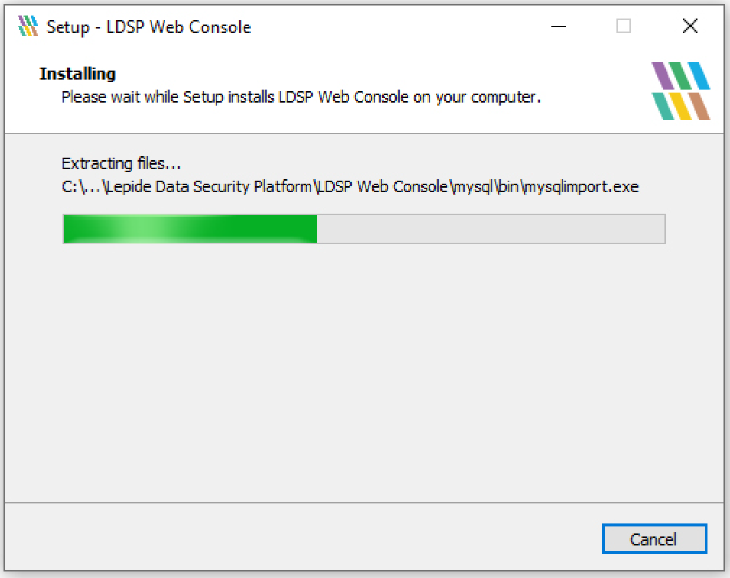


Figure 11: Installing

- Click the **Finish** button to complete the installation

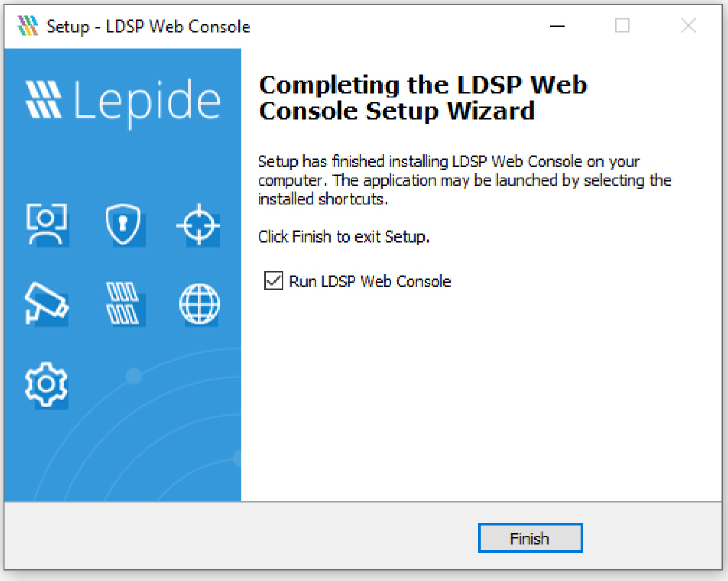


Figure 12: Complete the Setup Wizard

4 Accessing the Web Console from outside the Lepide Application Server

The steps below explain how to configure the web console so you can access it from outside the Lepide Application Server.

1. Open the File 'httpd.conf' from the path 'Lepide installation directory folder/LDSP Web Console/apache/conf'
2. Go to the bottom of the file, find the following line, and add a **'#'** at the beginning:

   #Header edit Set-Cookie ^(.*)$ $1;HttpOnly;Secure;SameSite=Strict

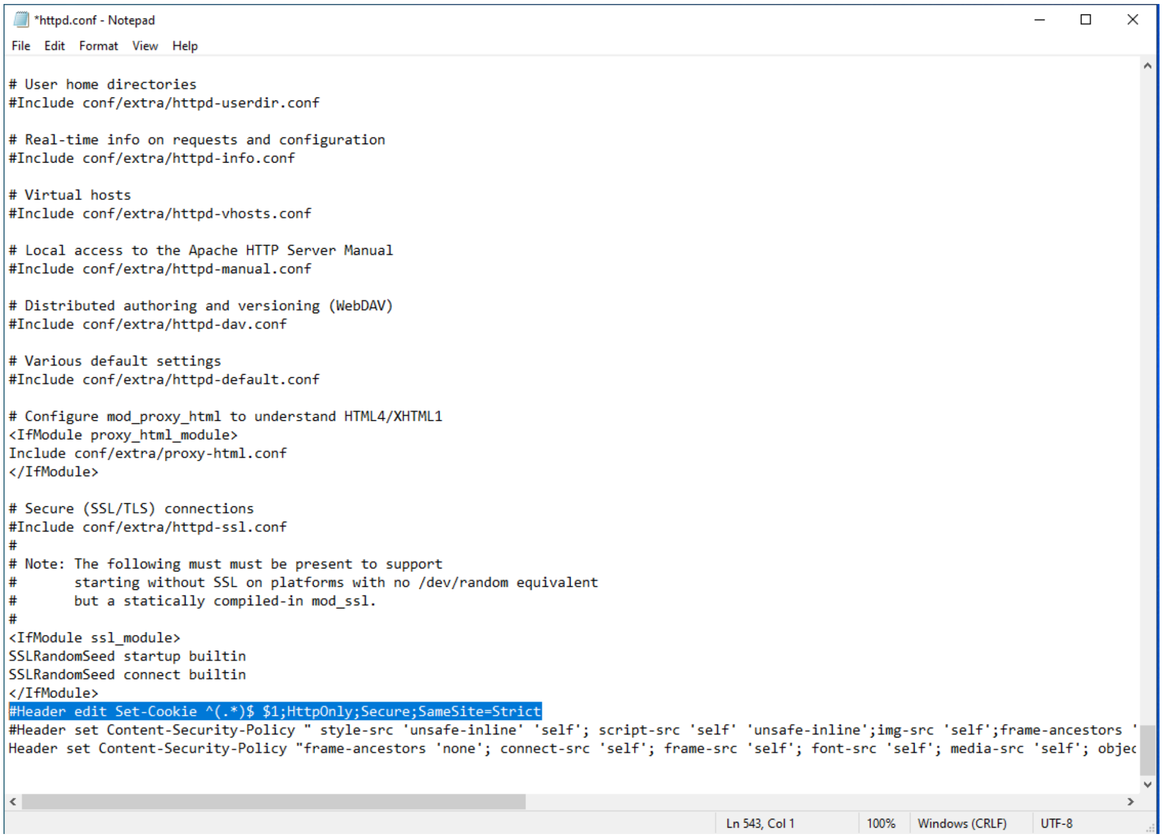


Figure 13: #Header edit Set-Cookie

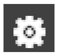
3. Save the file with the changes in the same location.
4. Restart the **LDSPapache** service.

NOTE:	If you need further help on how to configure the web console with SSL, please refer to the [SSL Configuration Guide]().

5 Creating the Web Admin Console User

To use the Web Console, the first thing you need to do is to specify a Web Console Admin User. Once this user has been set up, they can create all other Web Console users from within the Web Console interface.

From the Lepide Data Security Platform:

- Click the Settings icon 

- Select **LDSP Web Console** (last option on the tree structure)

  The LDSP Web Console screen will be displayed:

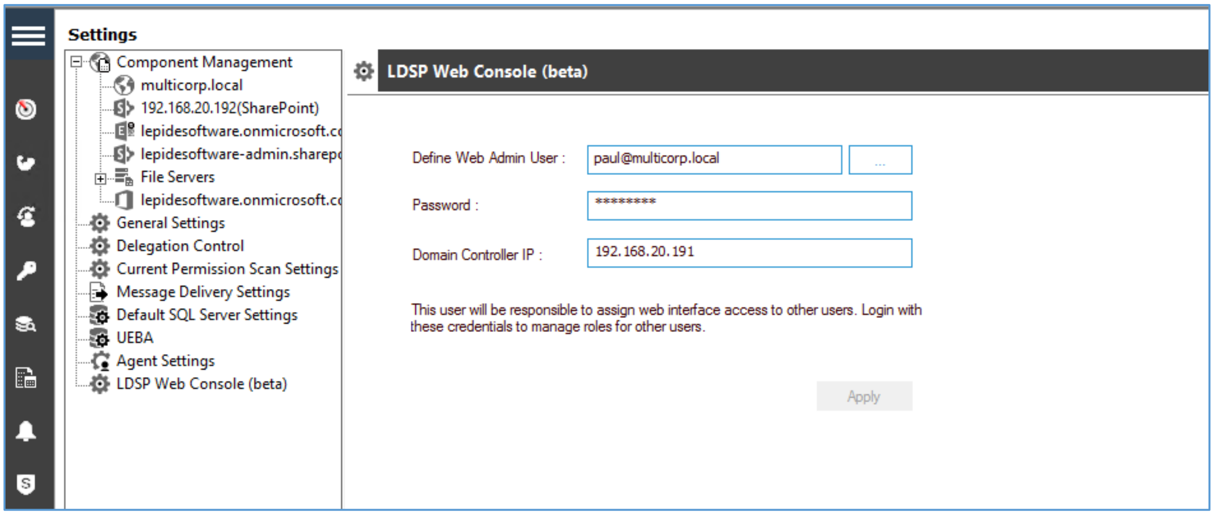


Figure 14: LDSP Web Console Admin User Setup

Enter the user logon details in the dialog box as follows:

- Enter the **Username** or click the  icon to select a username. It should be in the format **username@domain.com**
- Enter the **Password** (this is the Active Directory logon password)
- Enter the Domain Controller IP Address

  This user will be responsible for assigning web interface access to other users. Login with these credentials to manage roles for other users.

- Click **Apply**

Login to the Web Console with this user. Please use the same format for the username (Username@domain.com). The Web Console Home Screen will be displayed:

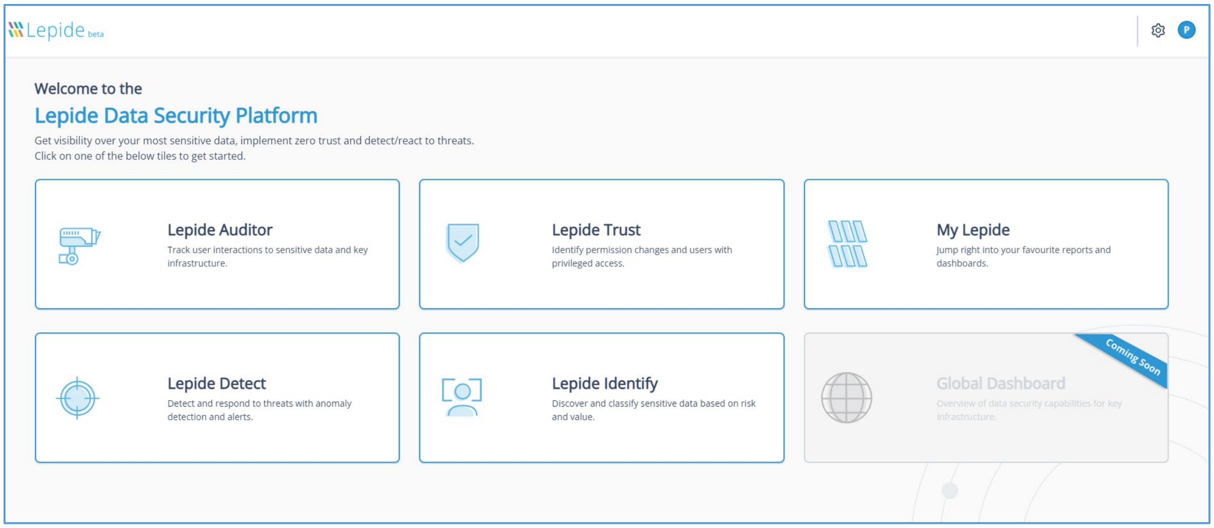


Figure 15: Web Console Home Screen

6 The Home Screen

The Home Screen for the Lepide Web Console will be displayed showing the four different Lepide categories and My Lepide. Clicking any of these buttons will take you into the relevant option.

The Home Screen Options are:

Lepide Auditor: Track user interactions to sensitive data and key infrastructure

Lepide Trust: Identify permission changes and users with privileged access

Lepide Detect: Detect and respond to threats with anomaly detection and alerts

Lepide Identify: Discover and classify sensitive data based on risk and value

My Lepide: Jump right into your favorite reports and dashboards

7 Adding a New User or Group

From the Home Screen, click the Settings icon at the top right of the screen.

The Admin Console is displayed:

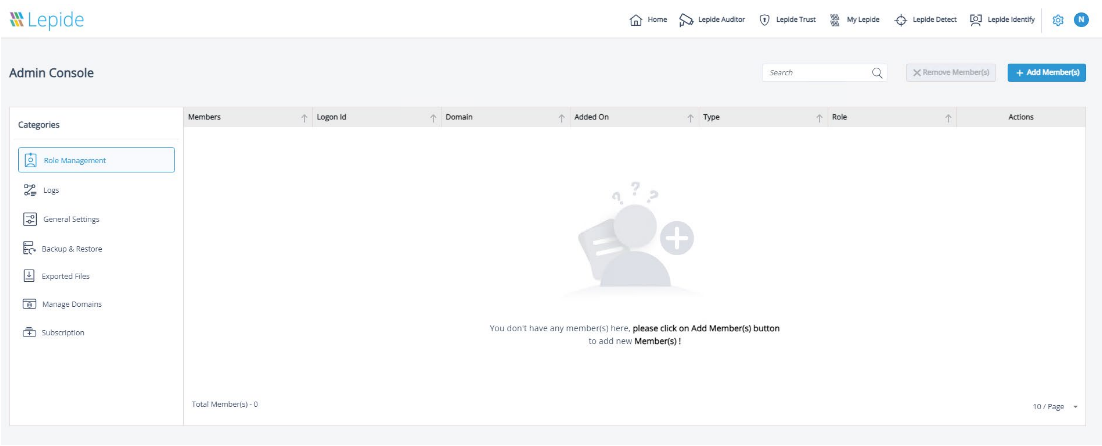


Figure 16: Admin Console

- Click the **Add Members** button

The following dialog box is displayed:

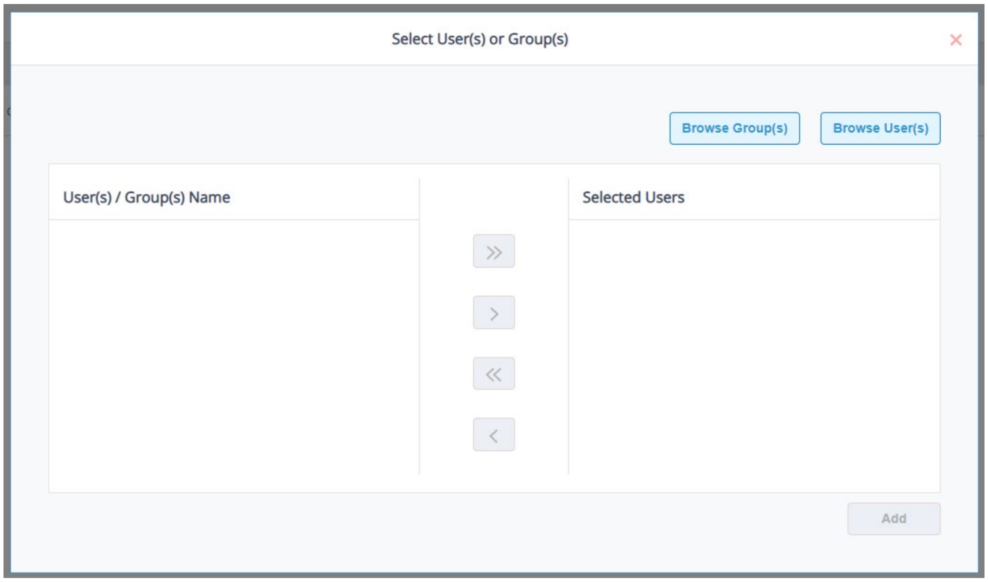


Figure 17: Select Users or Groups

7.1 Adding a Group

- Click the **Browse Group(s)** button

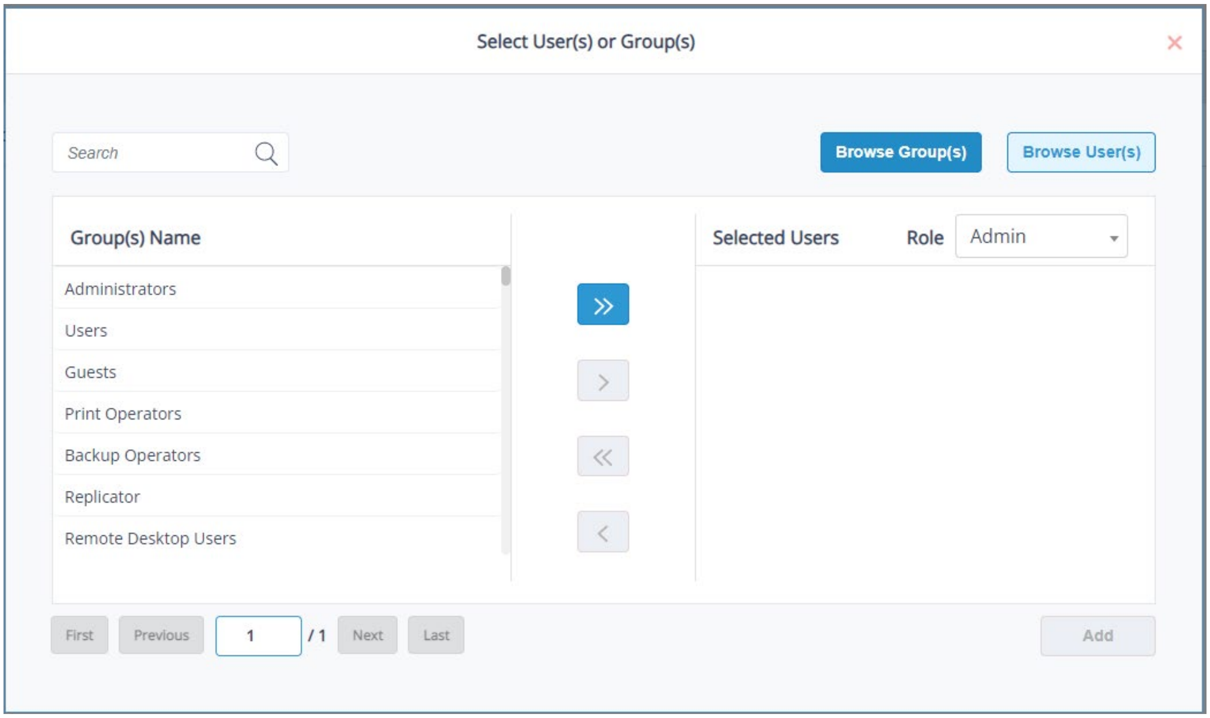
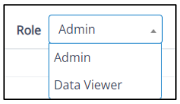


Figure 18: Groups

- The Group(s) Name area will be populated with all the Groups available
- If there are multiple pages of group names, use the **First/Previous/Next/Last** navigation buttons to move through the pages
- To search for a particular group, click on the **Search** bar at the top of the dialog box and type the search text
- To add all listed groups, click the  button
- To add a specific group, click to select the group and click the  button to add it to the selected users list.
- Repeat this last step for any other groups you want to add
- Select the required role of either **Admin** or **Data Viewer**: 

- Click the **Add** button to add the group(s)

7.2 Adding a User

- Click the **Browse User(s)** button
- The User(s) Name area will be populated with all the usernames available

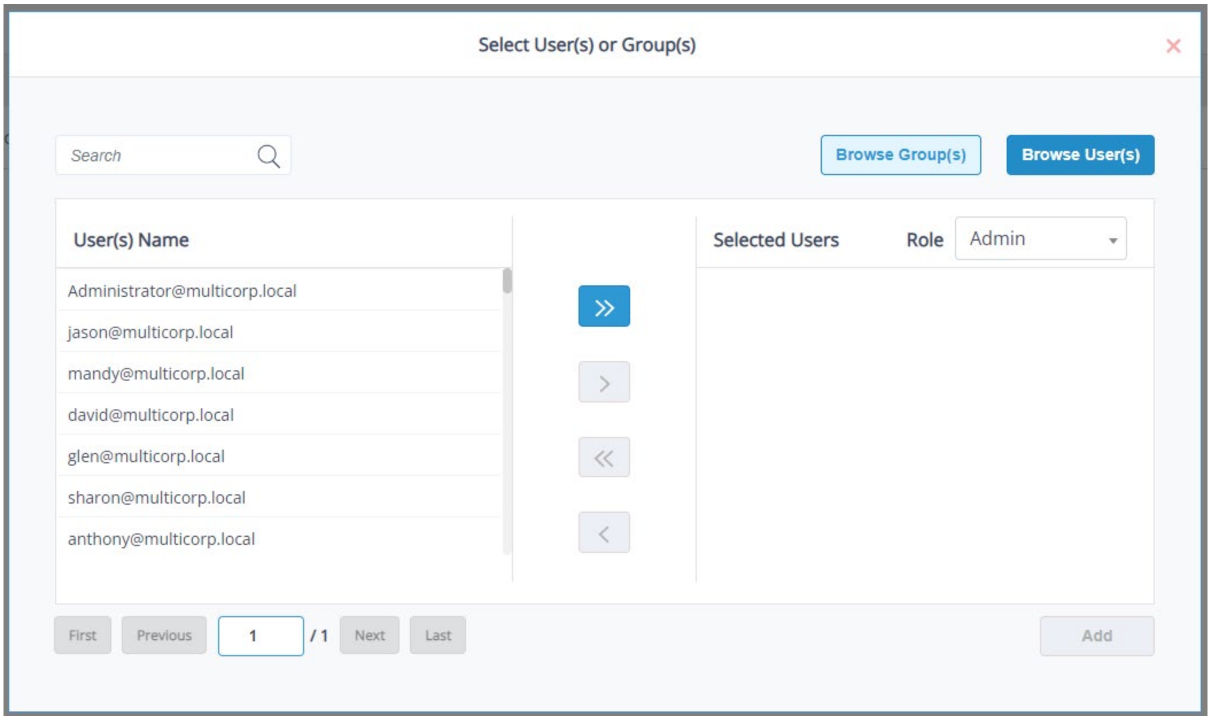
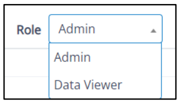


Figure 19: Users

- If there are multiple pages of usernames, use the **First/Previous/Next/Last** navigation buttons to move through the pages
- To add all users, click the  button
- To add a specific user, click to select the username and click the  button to add it to the selected users list.
- Repeat this last step for any other users you want to add
- Select the required role either Admin or Data Viewer: 

- Click the **Add** button

8 Dashboards and Reports

From the Home Screen, choose a Lepide Category – this can be either Lepide Auditor, Lepide Trust, Lepide Detect or Lepide Identify. For this example, we will look at Lepide Auditor

8.1 Dashboard Options

The Lepide Auditor Dashboard screen is displayed. This contains pre-defined dashboards based on reports for the chosen category (in this case Lepide Auditor).

The following options to change the time period and to refresh the data are available:

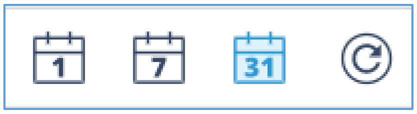


Figure 20: Dashboard Options

- These options are 1 day ago, 7 days ago, 31 days ago and Refresh

8.2 Display the Report Behind the Data

- Clicking on an area of data within the dashboard will display the report on which the data was based
- In the example below, clicking on the first column in the chart will display the All Environment Changes Report which is the report that this Dashboard chart was based on:

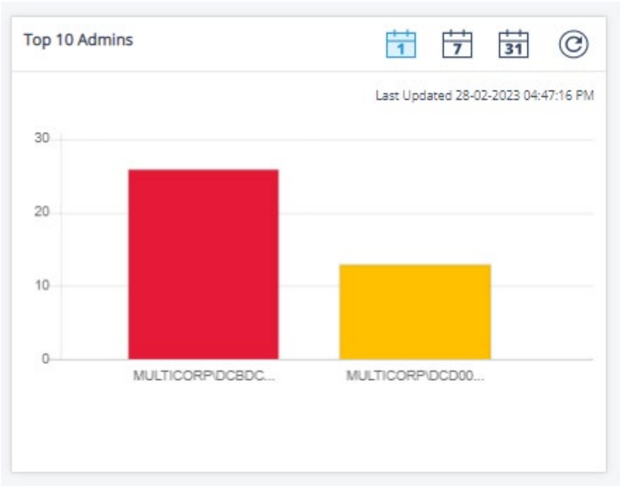


Figure 21: Dashboard Data

- Click Generate to generate the report:

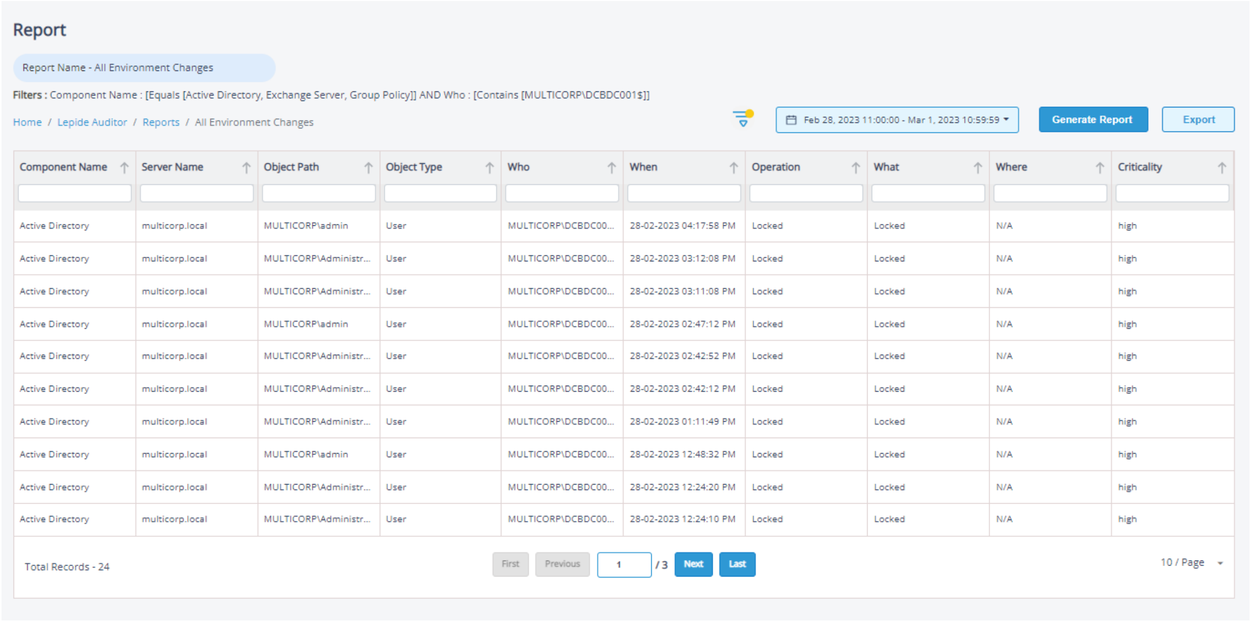


Figure 22: Report Behind the Dashboard Data

8.3 Running a Report

- From the top of the Dashboard screen, click on **Lepide Auditor** and choose **Reports**

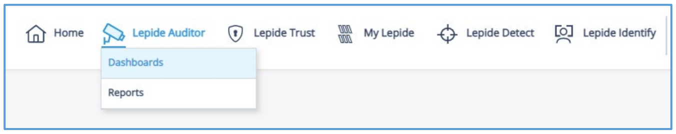


Figure 23: Menu Options

The Reports Window is displayed:

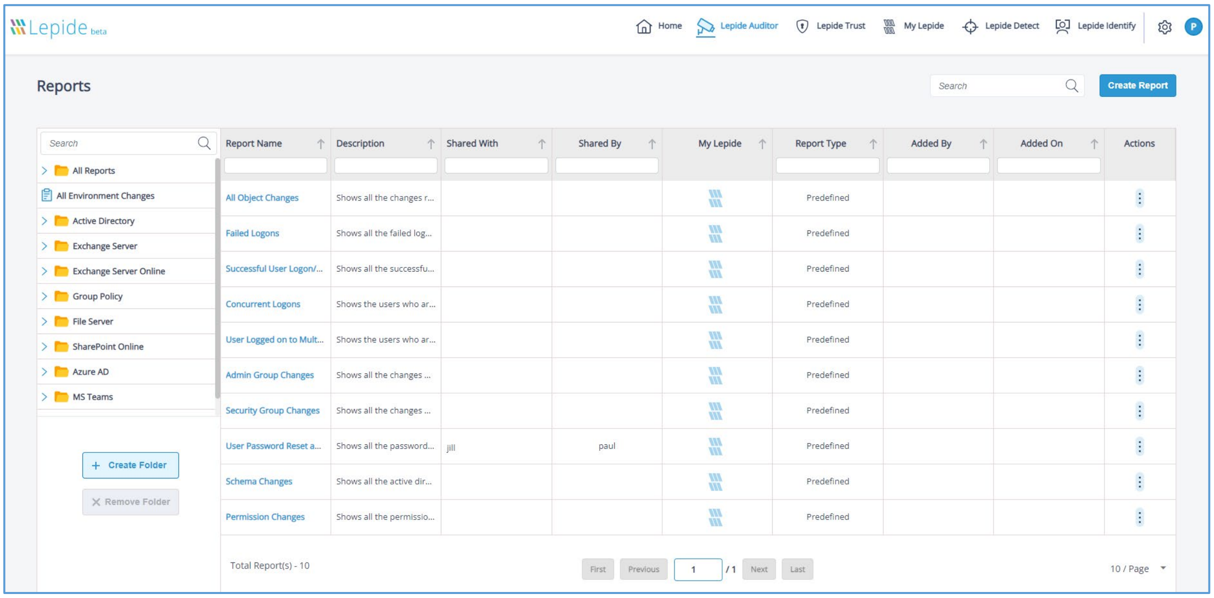


Figure 24: Reports Window

Here all reports available within Lepide Auditor are displayed.

- To see the reports within a folder, click the folder name – for example **File Server**
- To view a particular report, click the report name. In this example the **All File Server Interactions Report** has been selected:

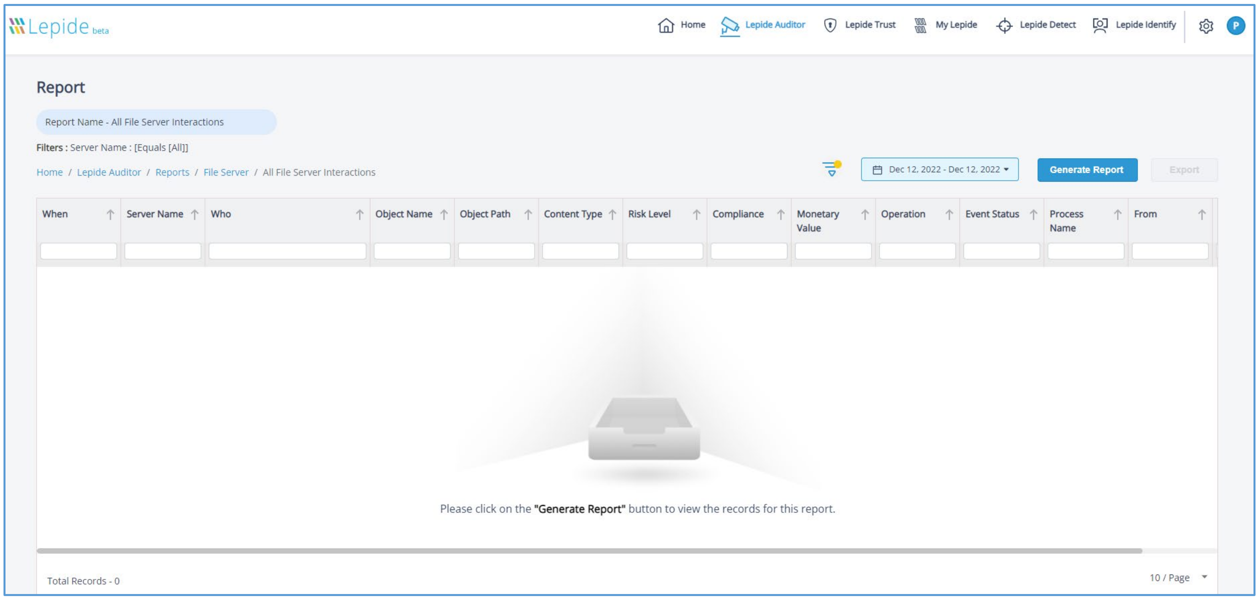


Figure 25: All File Server Interactions Report

8.3.1 Specify a Date Range

- From the top of the screen, click on the date to choose a date range from the list

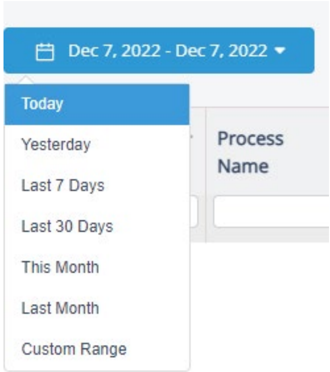
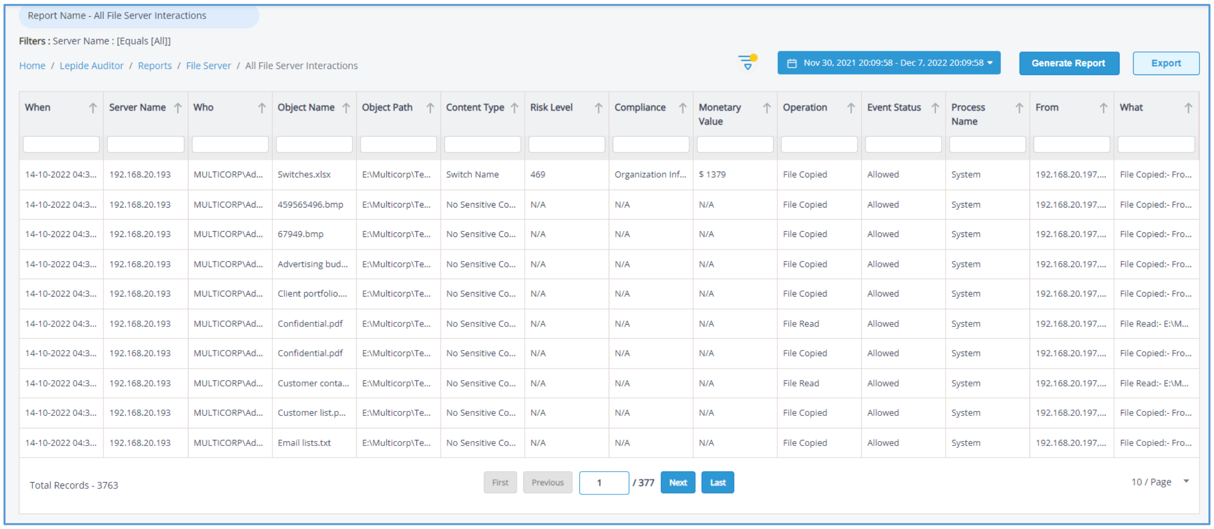


Figure 26: Date Range Filter

- Select a date range from the list
- Click the **Generate Report** button to run the report for the specified time period



When	Server Name	Who	Object Name	Object Path	Content Type	Risk Level	Compliance	Monetary Value	Operation	Event Status	Process Name	From	What
14-10-2022 04:3...	192.168.20.193	MULTICORP\Ad...	Switches.xlsx	E:\Multicorp\Te...	Switch Name	469	Organization Inf...	$ 1379	File Copied	Allowed	System	192.168.20.197,...	File Copied:- Fro...
14-10-2022 04:3...	192.168.20.193	MULTICORP\Ad...	459565496.bmp	E:\Multicorp\Te...	No Sensitive Co...	N/A	N/A	N/A	File Copied	Allowed	System	192.168.20.197,...	File Copied:- Fro...
14-10-2022 04:3...	192.168.20.193	MULTICORP\Ad...	67949.bmp	E:\Multicorp\Te...	No Sensitive Co...	N/A	N/A	N/A	File Copied	Allowed	System	192.168.20.197,...	File Copied:- Fro...
14-10-2022 04:3...	192.168.20.193	MULTICORP\Ad...	Advertising bud...	E:\Multicorp\Te...	No Sensitive Co...	N/A	N/A	N/A	File Copied	Allowed	System	192.168.20.197,...	File Copied:- Fro...
14-10-2022 04:3...	192.168.20.193	MULTICORP\Ad...	Client portfolio....	E:\Multicorp\Te...	No Sensitive Co...	N/A	N/A	N/A	File Copied	Allowed	System	192.168.20.197,...	File Copied:- Fro...
14-10-2022 04:3...	192.168.20.193	MULTICORP\Ad...	Confidential.pdf	E:\Multicorp\Te...	No Sensitive Co...	N/A	N/A	N/A	File Read	Allowed	System	192.168.20.197,...	File Read:- E:\M...
14-10-2022 04:3...	192.168.20.193	MULTICORP\Ad...	Confidential.pdf	E:\Multicorp\Te...	No Sensitive Co...	N/A	N/A	N/A	File Copied	Allowed	System	192.168.20.197,...	File Copied:- Fro...
14-10-2022 04:3...	192.168.20.193	MULTICORP\Ad...	Customer conta...	E:\Multicorp\Te...	No Sensitive Co...	N/A	N/A	N/A	File Read	Allowed	System	192.168.20.197,...	File Read:- E:\M...
14-10-2022 04:3...	192.168.20.193	MULTICORP\Ad...	Customer list.p...	E:\Multicorp\Te...	No Sensitive Co...	N/A	N/A	N/A	File Copied	Allowed	System	192.168.20.197,...	File Copied:- Fro...
14-10-2022 04:3...	192.168.20.193	MULTICORP\Ad...	Email lists.txt	E:\Multicorp\Te...	No Sensitive Co...	N/A	N/A	N/A	File Copied	Allowed	System	192.168.20.197,...	File Copied:- Fro...

Figure 27: Generated File Server Interactions Report

9 Sorting a Report

Reports can be sorted by clicking the arrow next to the column heading. When clicked, the arrow changes to blue and shows in the direction of the sort.

Here the Operation has been sorted ascending (a-z) by Operation:

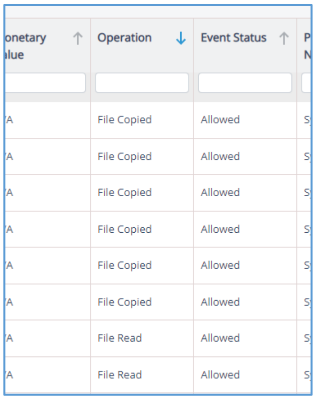


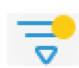
Figure 28: Sorting a Report

- Click the arrow again to sort descending (z-a)

10 Applying a Filter to a Report

There are two ways to apply filters using the Lepide Web Console and these are explained below:

10.1 Applying a Filter using the Filter Icon

- To apply a filter to the report, click the **Filter** icon: 

The Modify Filters dialog box is displayed:

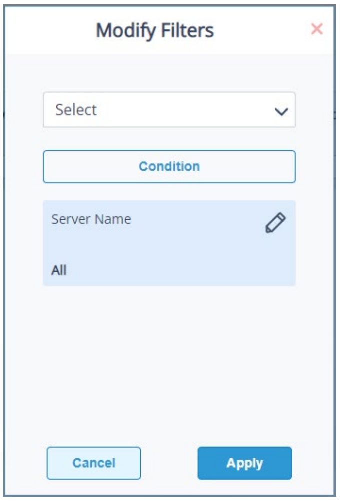


Figure 29: Modify Filters

- Click the **Select** drop down list to choose the column to filter by. In this example we will choose **Operation**

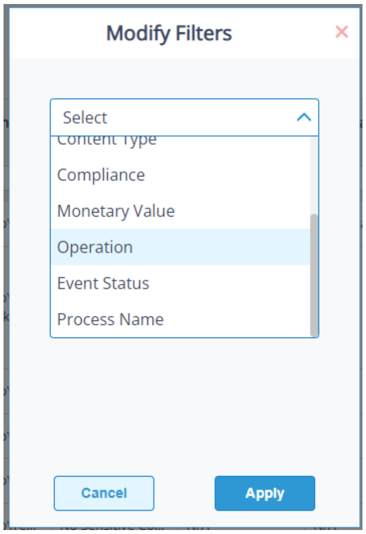


Figure 30: Choose a Column to Filter By

Operation now appears in the dialog box with blue highlight:

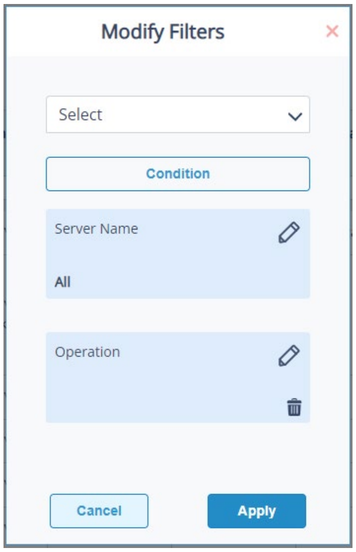


Figure 31: Filter Shows with Blue Highlight

- Click the **Edit Filter** icon  next to the relevant column name (highlighted blue)

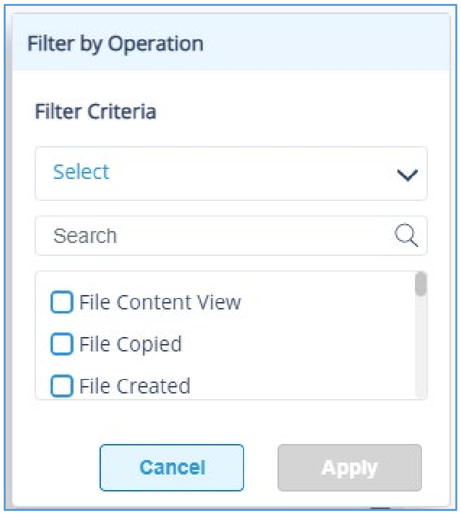


Figure 32: Filter Criteria

- Click the **Select** drop down and choose from the criteria options available. In this example, we are filtering by Operation and so can choose between **Equals** or **Not Equals**:

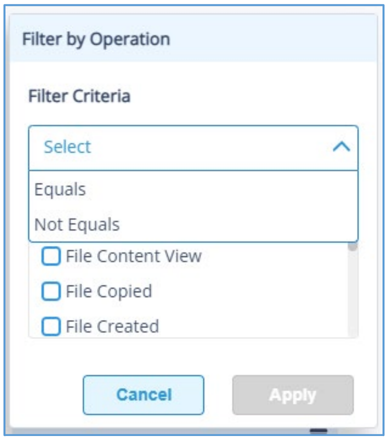


Figure 33: Filter Condition

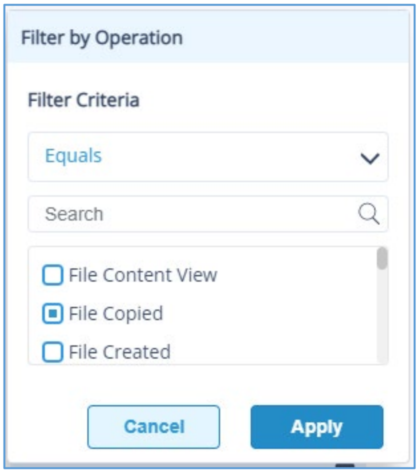


Figure 34: Select the Column(s) to Filter By

- Choose the column(s) you want to filter by. In this example, we will filter by **File Copied**
- Click **Apply**
- Click Generate Report

The report will run and will display the filtered data

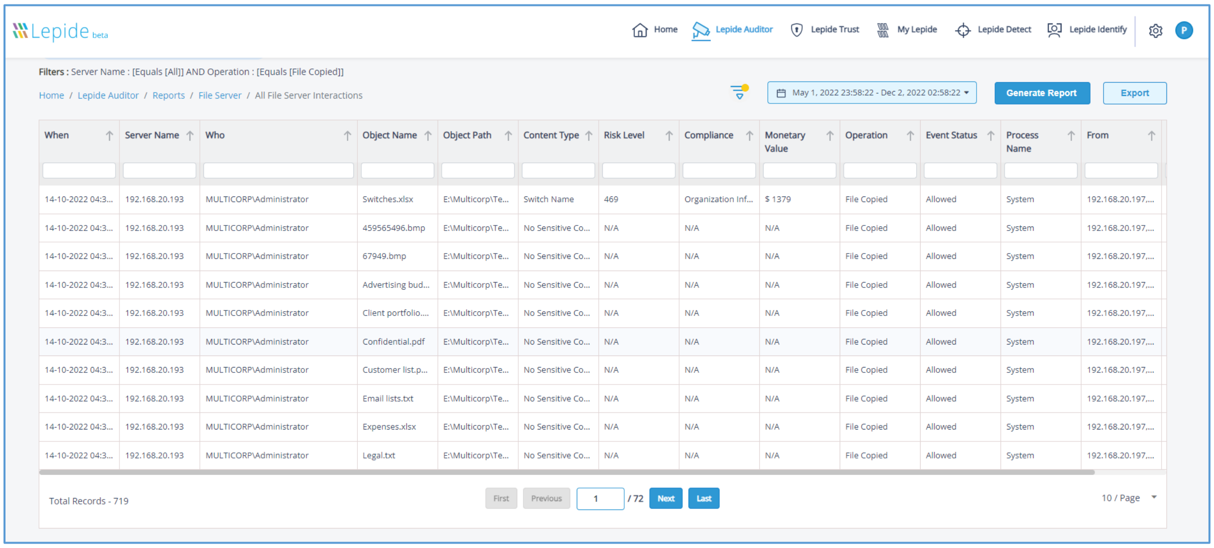


Figure 35: File Server Interactions Report with Filter

In the example above, a filter for File Copied has been applied and the details of this filter are shown at the top of the screen:

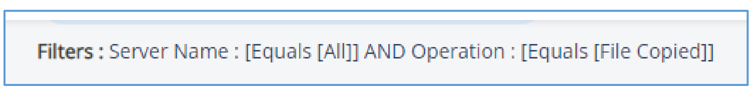


Figure 36: Details of the Filter Applied

- To change the filter, click again on the Filter icon  and the Modify Filters dialog box is displayed:

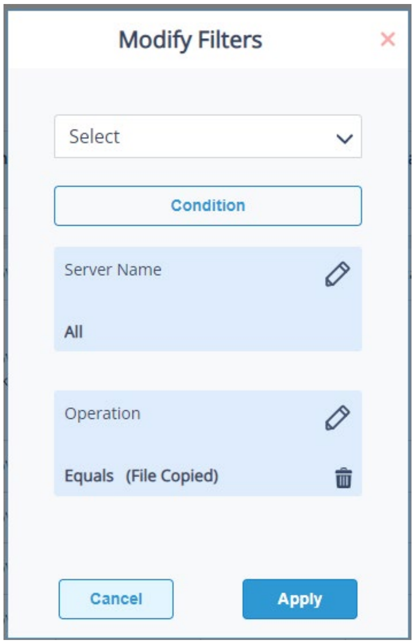


Figure 37: Edit a Filter

- Make the changes as required, then as before, click **Apply** and then **Generate Report**
- To delete a filter, from the Modify Filters dialog box click the  icon.

10.2 Applying a Filter Using the Column Headings

Filters can be added by typing directly into the column heading. As you type, the report will display the filtered data.

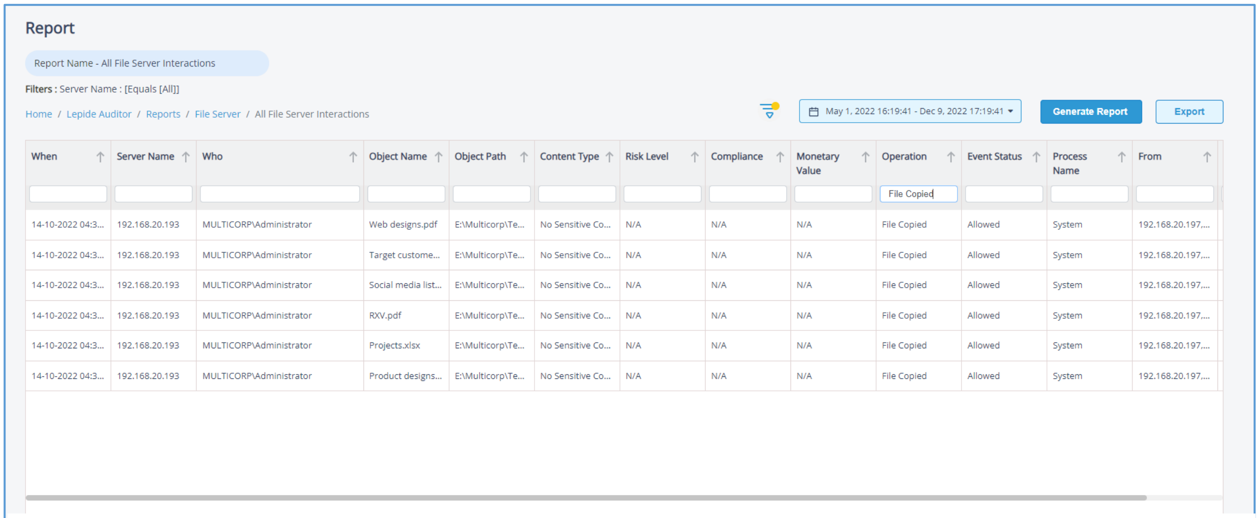


Figure 38: Filter Applied Using Colum Heading

In the example above, **'File Copied'** has been typed into the **Operation** column to filter by **File Copied**

11 Exporting a Report

Reports can be exported to CSV and PDF file formats. Exporting to CSV will be instant whereas the PDF option will take longer as it has the formatting to export.

To export a report:

From the Reports screen, click the **Export** button

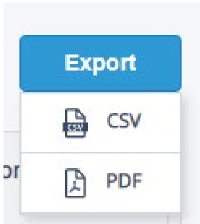


Figure 39: Export Options

- Choose either **CSV** or **PDF** from the menu

A message is displayed:

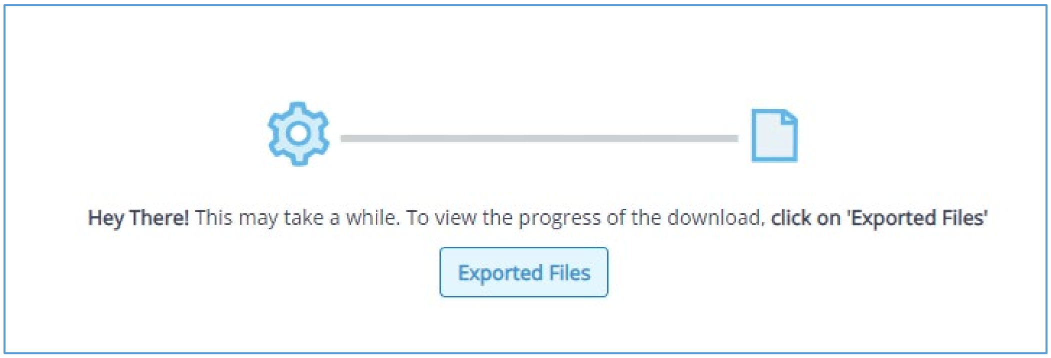


Figure 40: Export to PDF Message

- Click on the **Exported Files** button to see the progress of the export and to see the exported file once the process is complete

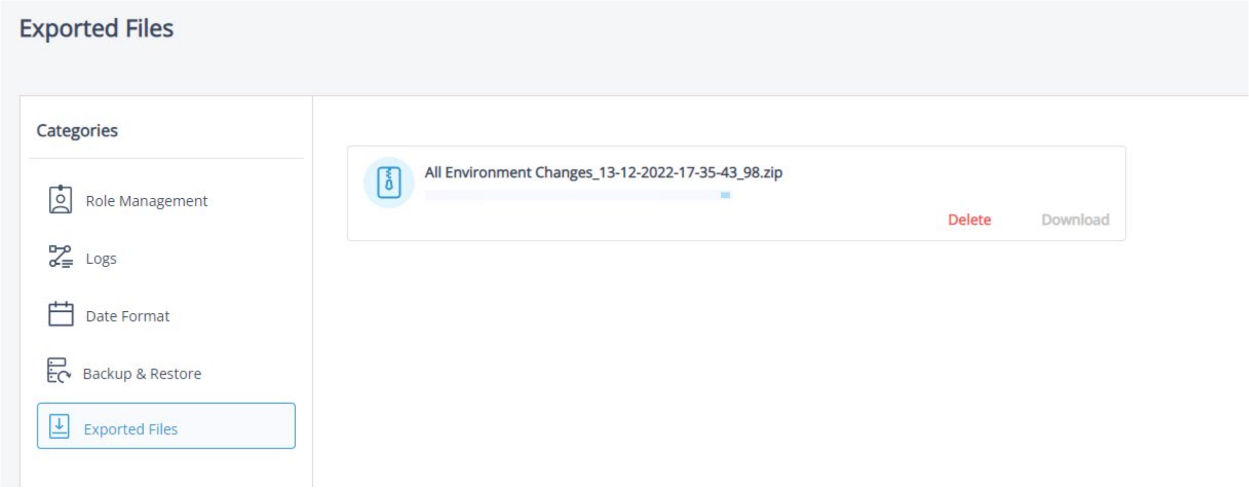


Figure 41: Exported Files

12 Adding Reports to My Lepide

The **My Lepide Dashboard** on the home screen lists any reports and dashboards that you have added to **My Lepide**, providing an easy way to find and run the reports you use frequently. Any report can be added to **My Lepide** whether it is a predefined report or a custom report.

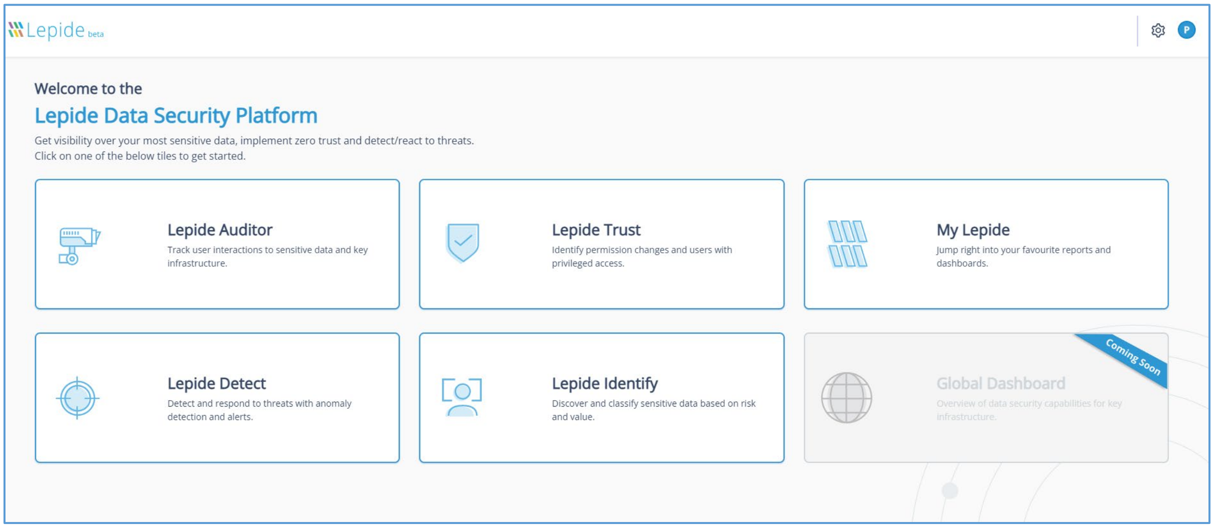


Figure 42: Home Screen

To add a Report to **My Lepide**:

- From the Home Screen, choose a Lepide Category, for example, **Lepide Auditor**
- The Lepide Auditor Dashboard screen is displayed
- From the top of the screen, choose a category, for example, **Lepide Auditor** and select **Reports**

The Reports screen is displayed:

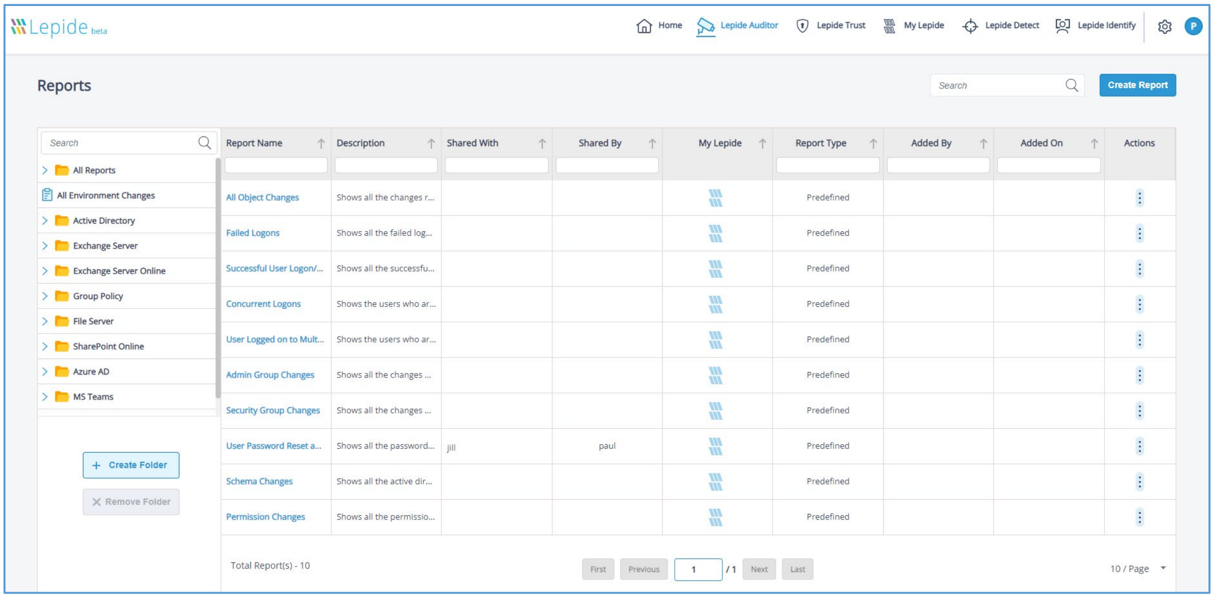


Figure 43: Reports Screen

- Find the report you want to save to **My Lepide**
- Click the icon in the My Lepide column to add the report to the My Lepide Dashboard

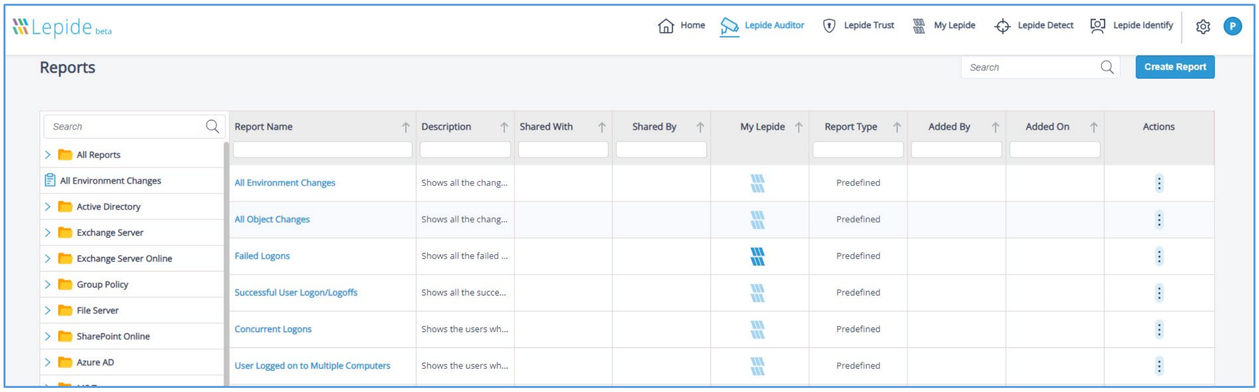


Figure 44: Report Added to My Lepide

In the above example, the **Failed Logons Report** has been added to **My Lepide**. This can be seen as the icon has changed to dark blue.

- Repeat this for all reports you want to be available from **My Lepide**

Now your report(s) will be displayed when you choose **My Lepide** from the menu bar at the top of the **Reports** Screen or from the option on the **Home** screen

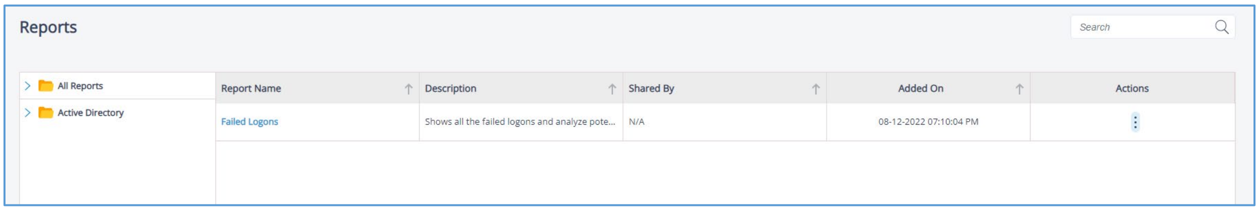


Figure 45: My Lepide Dashboard

13 Creating a Customized Report

Custom reports can be created so that you can choose the columns you want to see and the filters you need.

To create a custom report:

- From the **Home** screen, choose a Lepide Category, for example, Lepide Auditor

The Dashboards screen is displayed

- From the top of the screen, click on a Lepide Category, for example, Lepide Auditor and choose Reports

The Reports Window will be displayed:

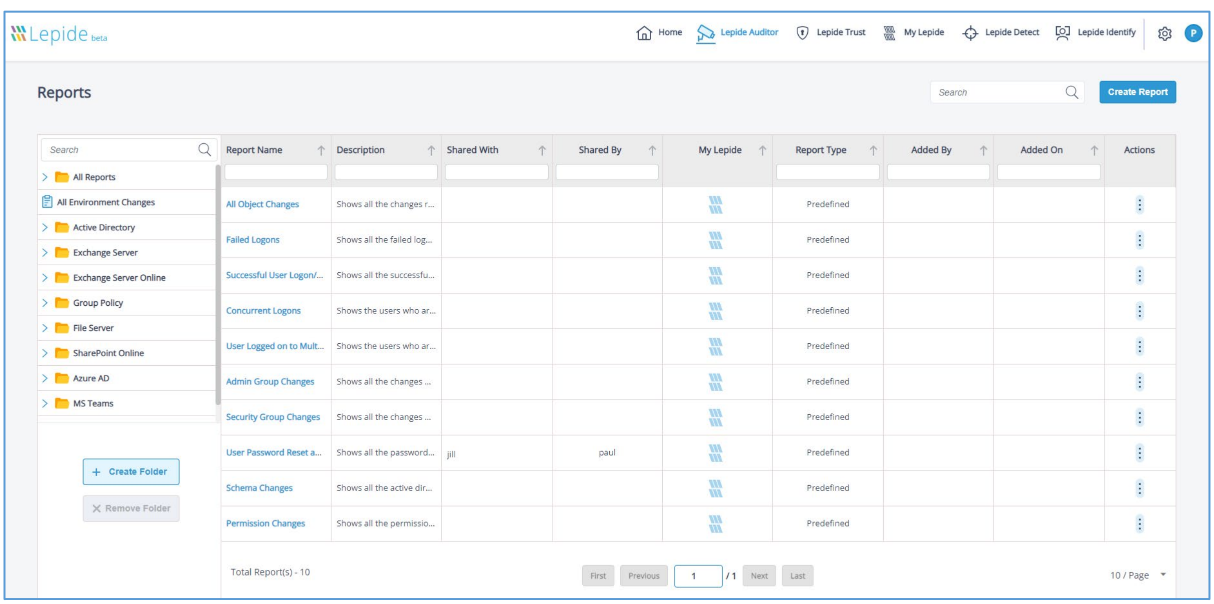


Figure 46: Reports Screen

- To create a report, click the **Create Report** button

The Create Report dialog box is displayed:

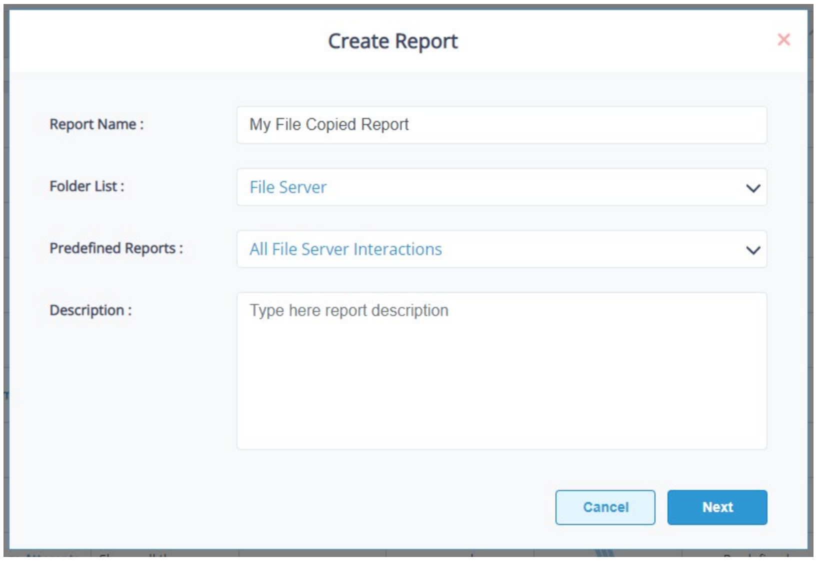


Figure 47: Create Report

- Enter a Report Name
- Select from **Folder List** the Folder you want the report to be stored in
- Select from **Predefined Reports** the Predefined Report that this new report is to be based on
- Add an optional **Description**
- Click **Next**

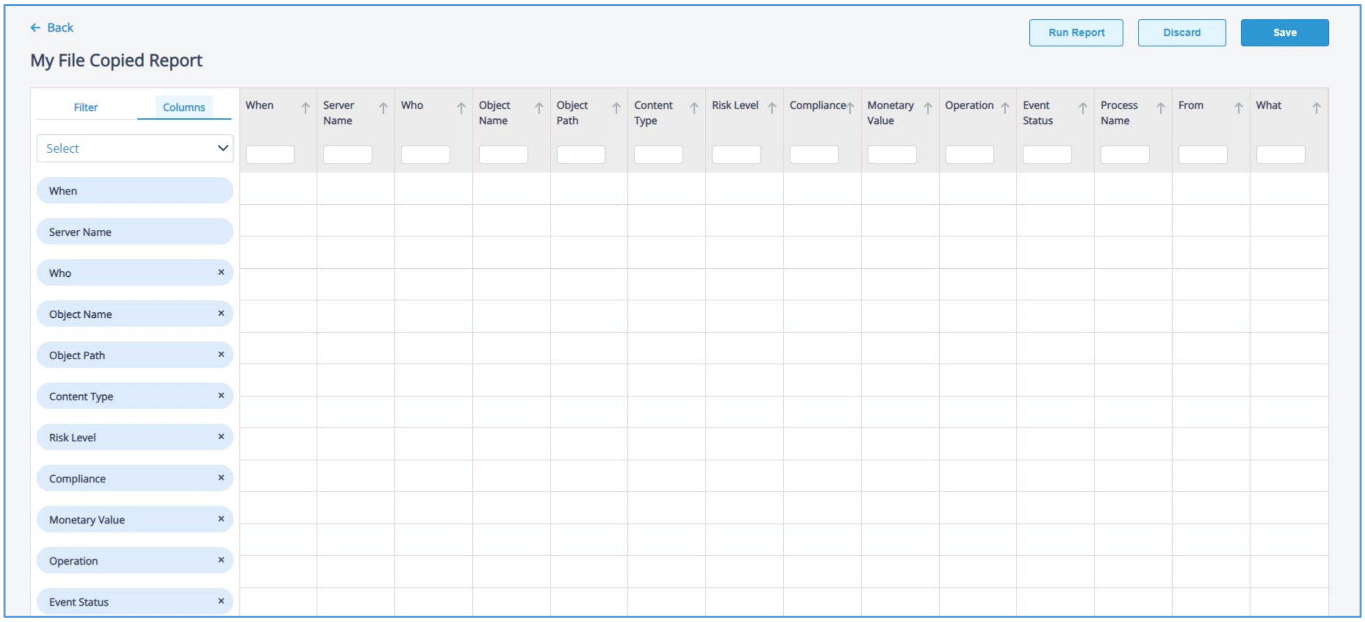


Figure 48: Report Editor Screen

The **Report Editor** screen is displayed with the report name at the top

The columns are those used in the predefined report (selected previously in the Create Report dialog box) which this custom report will be based on.

To the top left of the screen are two Tabs: Filter and Columns

With the Columns Tab selected there are column headings at the top and to the side of the screen. The column headings at the side can be used to **remove columns** by clicking the x icon and **change the order** of columns by dragging them to a new position.

In this report example, the fields **When** and **Server** Name cannot be removed as they are integral to the running of the report.

- To reinstate a previously deleted column name, click the **Select** drop down menu and choose the column name
- Click the **Filter** tab to add filters for the report. For more information setting a filter, please refer to Section 10 of this guide
- When finished, click **Save.** This will save any changes you've made to the columns or filters and you will return to the Reports screen
- Choose **Generate Report** to run the report

The report will be stored in the folder you specified in the Create Report dialog box and will be saved with all the customized options you chose previously

13.1 Edit a Customized Report

- To make changes to a customized report, click the Customize Report icon  (next to the Filter icon)

This takes you to the Report Editor screen

This will show your customized report with the columns and filters you specified previously

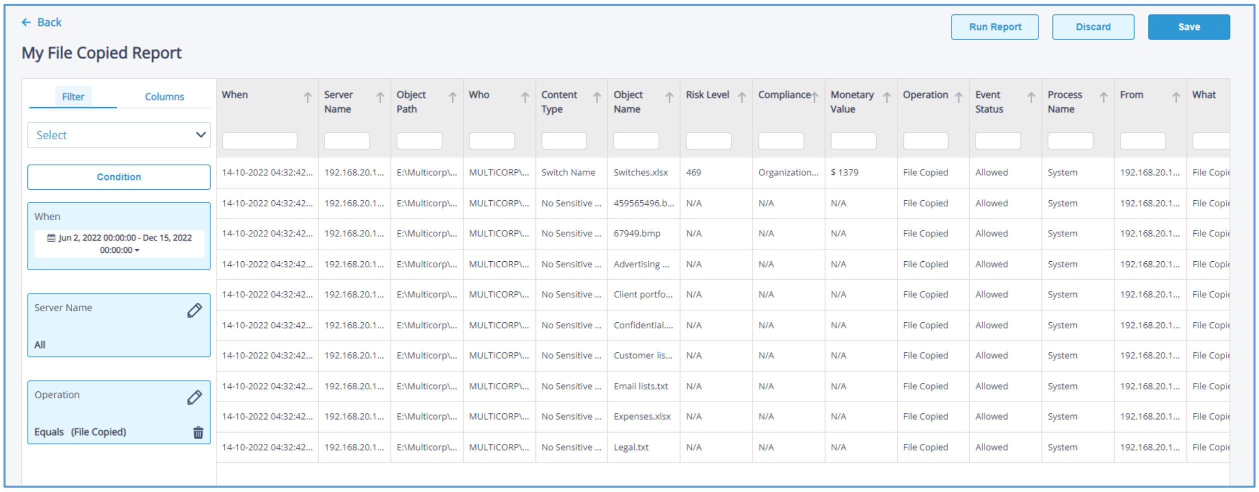


Figure 49: Edit a Customized Report

- Make changes as required
- Click **Save** when finished

14 Subscribing to Reports

Subscribing to a report enables the automated, regular execution of the report, eliminating the need to manually run it each time.

14.1 Adding a Subscription

To add a subscription:

- From the Home screen, choose the Settings icon  :

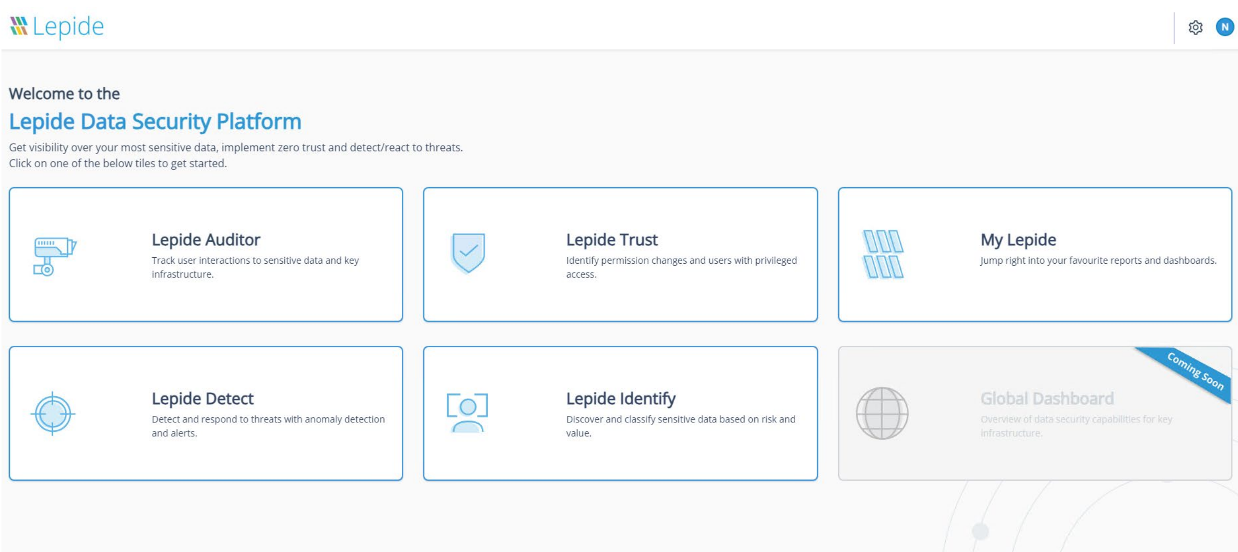


Figure 50: Web Console Screen

- The Admin Console screen will be displayed:

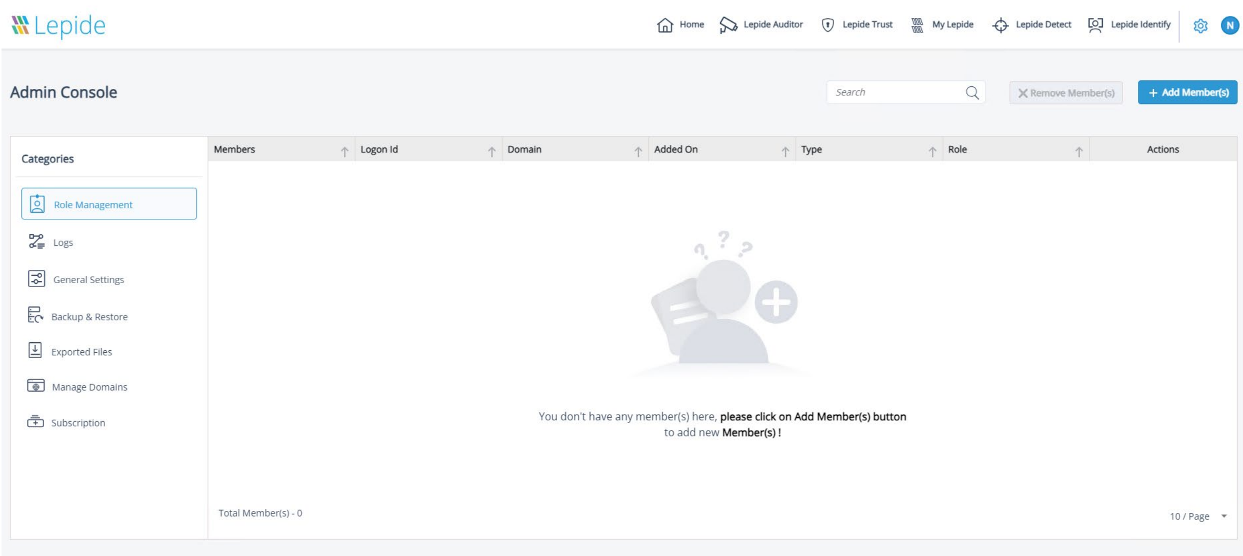


Figure 51: Admin Console Screen

- Select **Subscription** from the list of Categories on the left side of the screen 

The Subscription screen is displayed:

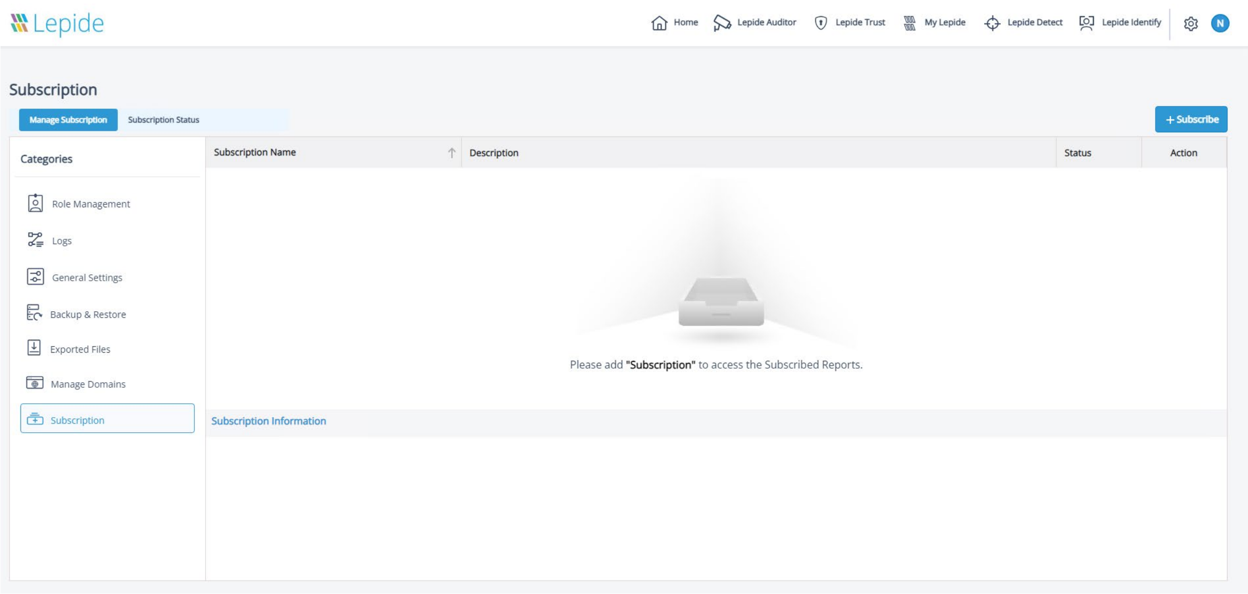


Figure 52: Subscription Screen

- Click on the **+ Subscribe** button (top right of the screen)

The Add Subscription dialog box is displayed:

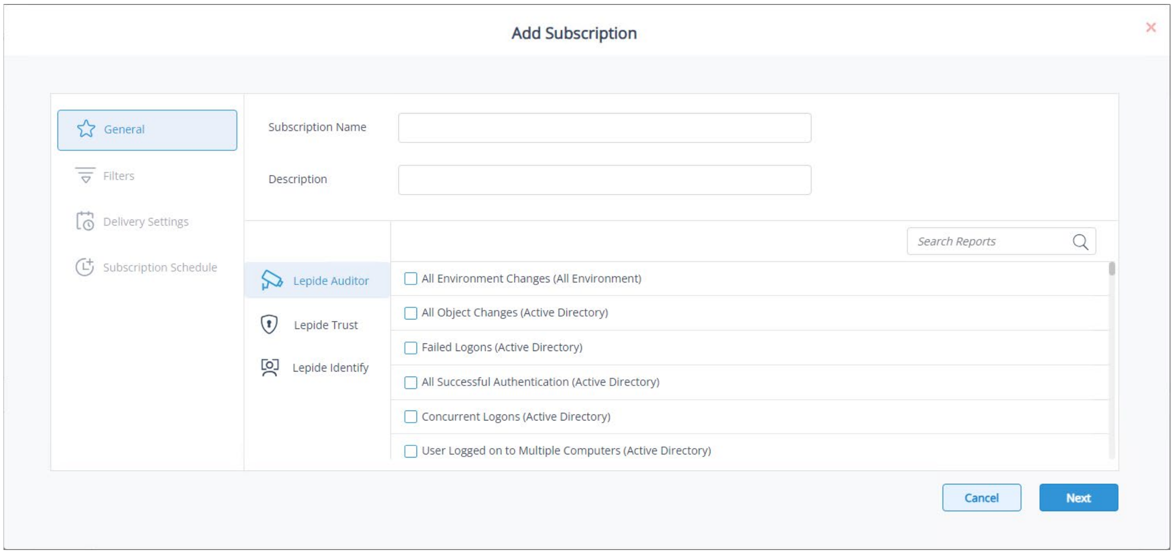


Figure 53: Add Subscription

Add a Subscription Name and Description

Select the Report to subscribe to

- Click Next
- Click the **Add Filter** button to add a filter

The Add Filter options are displayed:

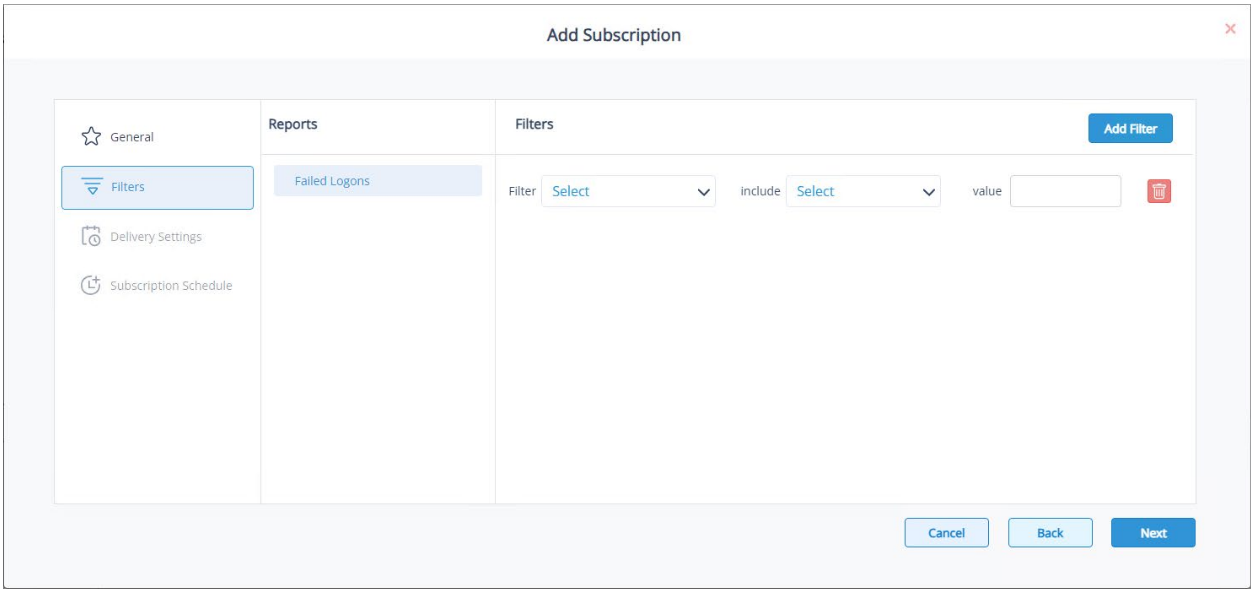


Figure 54: Add Filter

- Select your filter options if required and click **Next** to continue

The Delivery Settings options are displayed:

- Click **Add Action** to add the delivery settings

The Configure Report Delivery Action screen is displayed:

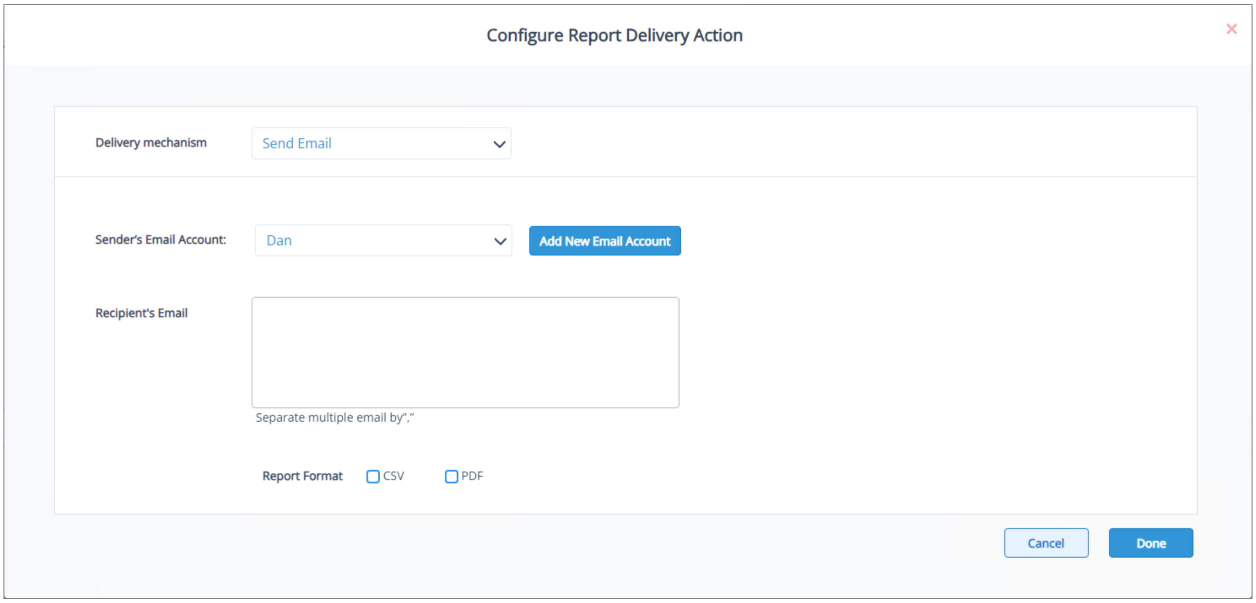


Figure 55: Configure Report Delivery Action

- Select the Delivery Actions as required:

Delivery Mechanism:	Choose from Send Email or Save Report on Disk
Sender's Email Account:	Select the email address where the report will be sent from
Recipient's Email:	Specify the email address where the report will be sent to. For multiple email addresses, separate them with a ','
Report Format:	Select the report format of CSV or PDF

- Click **Done** when finished

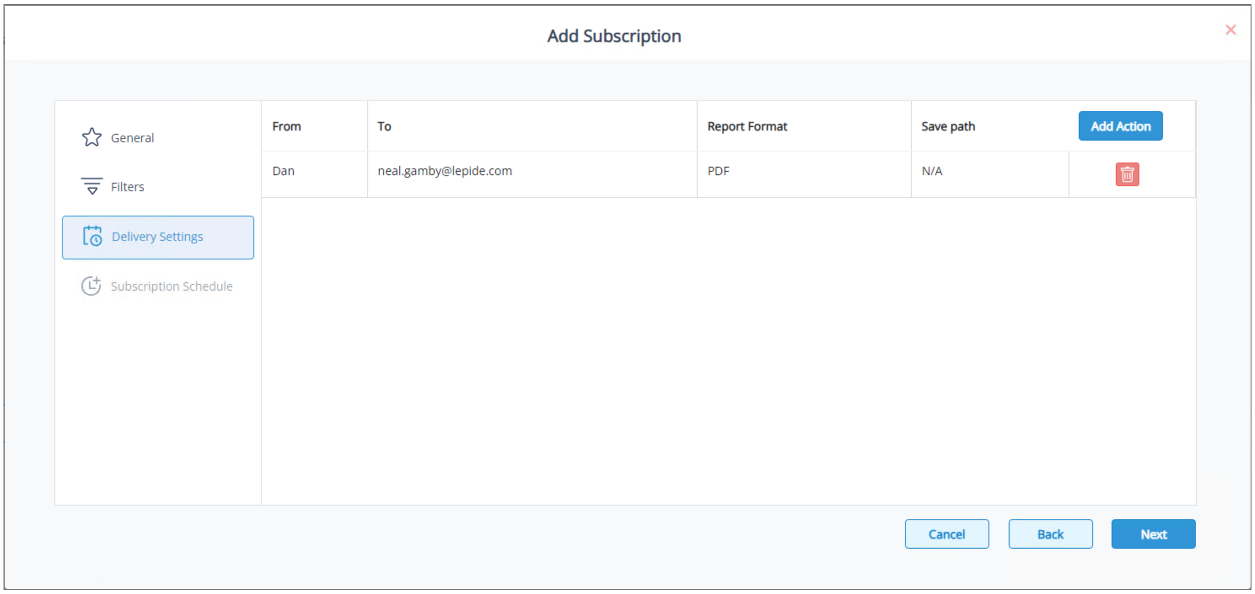


Figure 56: Subscription Details

Click **Next**

Select the frequency of when the subscribed report should run:
Choose from **Monthly**, **Weekly** or **Daily:**
Monthly Schedule:

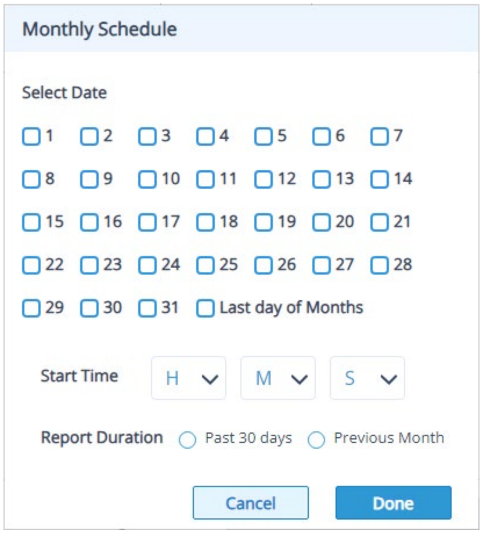


Figure 57: Monthly Schedule

The Monthly Schedule option allows you to specify the day(s) in the month that you want the report to run. Or you can choose Last day of Months to run the report on the last day of the month, which will vary from month to month

- Select the start time in **hours**, **minutes** and **seconds**
- Specify the **Report Duration** which can be either Past 7 days or Previous Week
- Click **Done** when finished

Weekly Schedule:

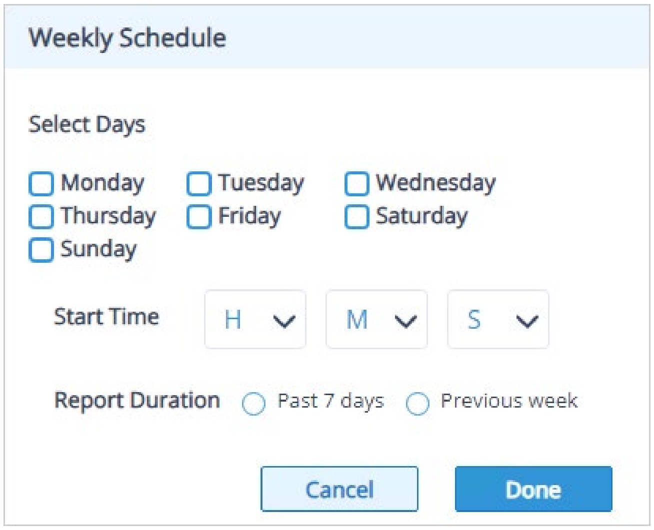


Figure 58: Weekly Schedule

- Selecting **Weekly Schedule** allows you to specify the day(s) of the week that you want the report to run
- Select the start time in **hours**, **minutes** and **seconds**
- Specify the **Report Duration** which can be either **Past 30 days** or **Previous Month**
- Click **Done** when finished

Daily Schedule:

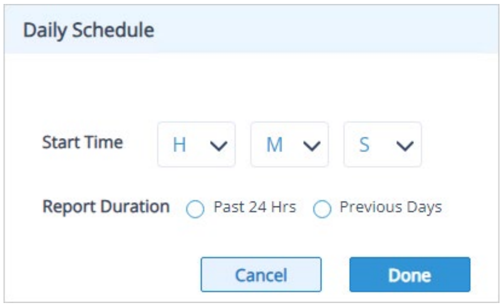
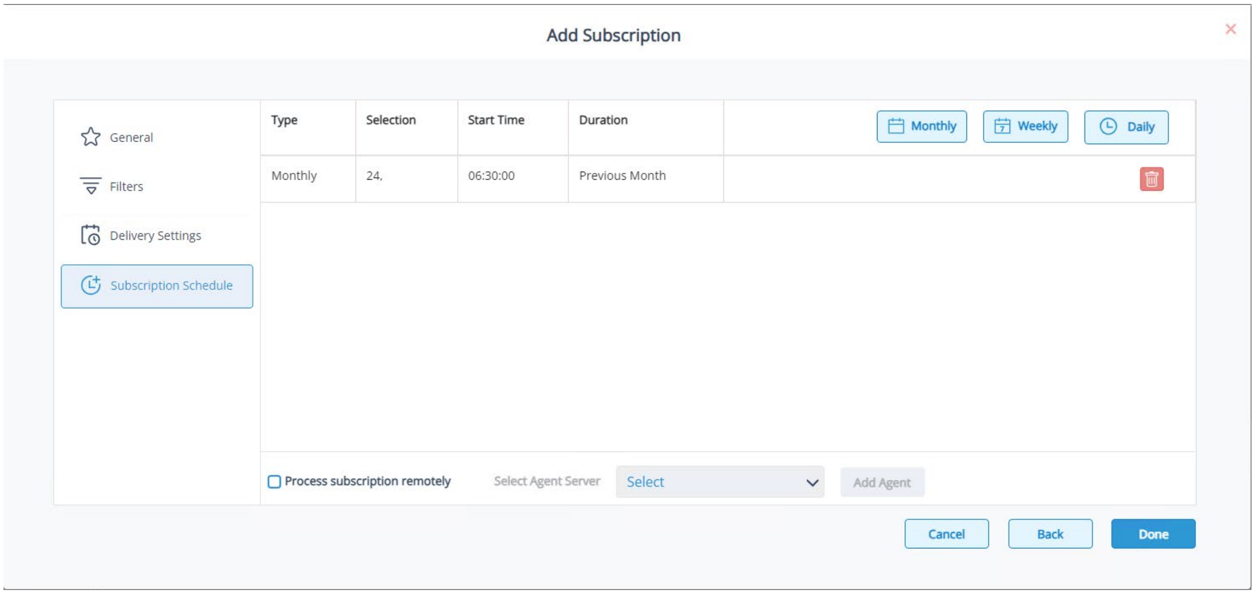


Figure 59: Daily Schedule

- Selecting **Daily Schedule** allows you to specify when you want the report to start running
- Select the start time in **hours**, **minutes** and **seconds**
- Specify the **Report Duration** which can be either **Past 24 hours** or **Previous Day**
- Click **Done** when finished
- From the Add Subscription dialog box, select **Process subscription remotely** and specify an **Agent Server** if required
- Click **Done** when finished
- The Add Subscription dialog box is displayed with the details for when the report should be run:



- Click **Done** when finished

The subscription screen will be displayed showing the **Subscription Name** and **Description** (if a description has been added):

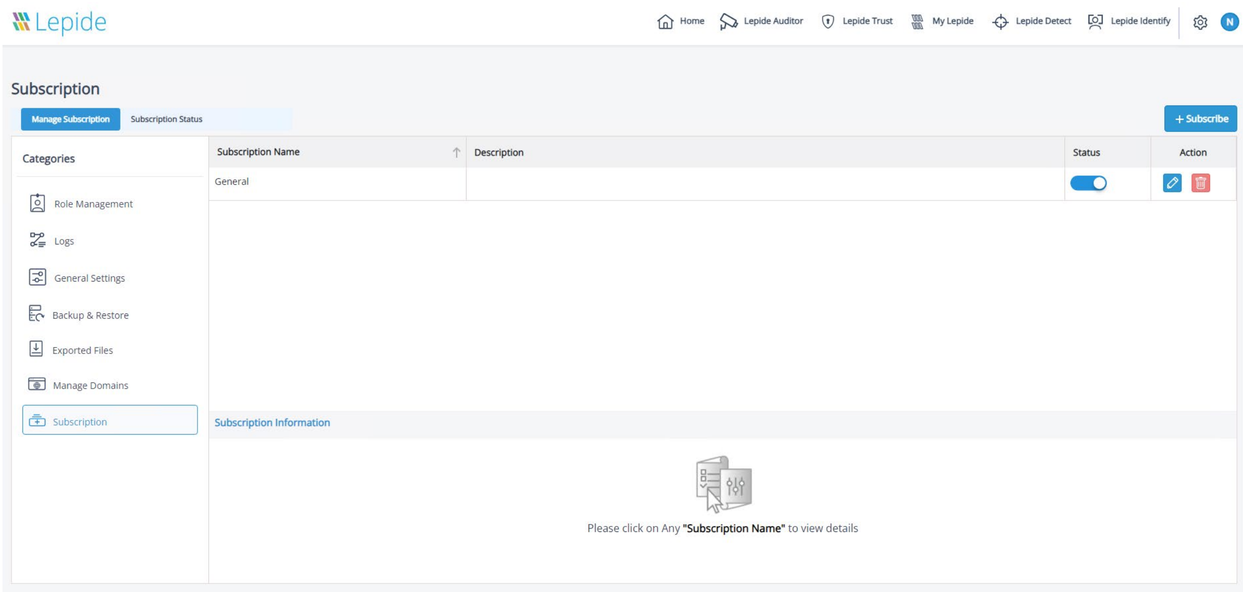


Figure 60: Subscriptions Added

- The status will be set to enabled but can be disabled if required by moving the slider to the left
- To edit the subscription, click the **Edit** icon
- To delete the subscription, click the **Delete** icon
- Click on any **Subscription Name** to view its summary information:

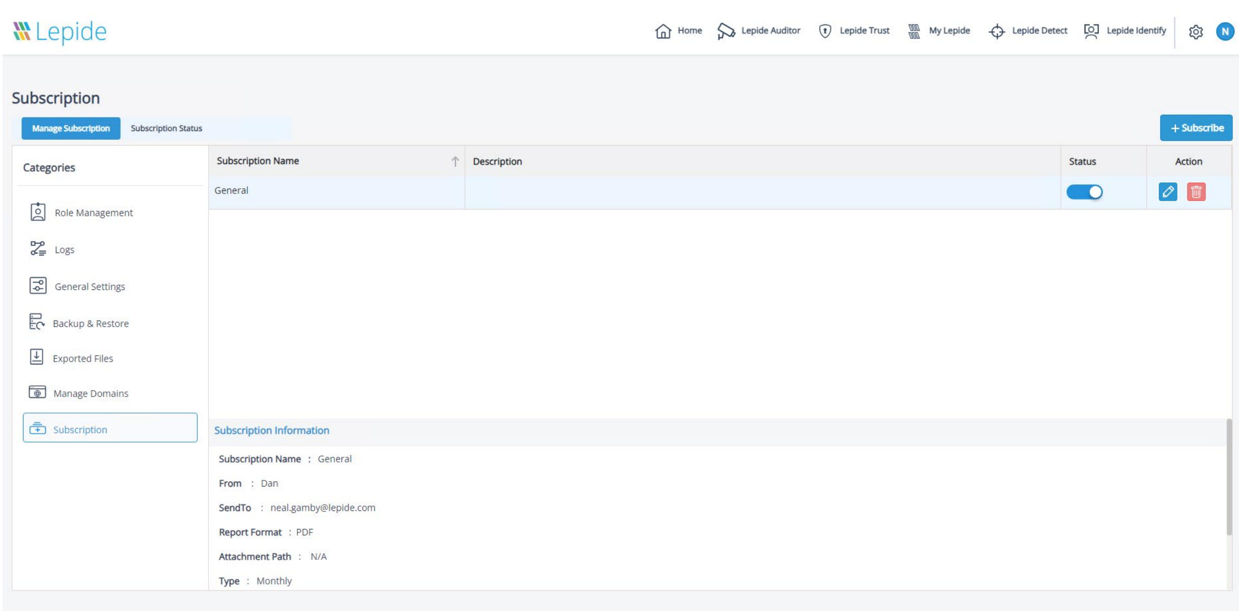


Figure 61: Subscription Information

14.2 Subscription Status

To see the current status of a subscription, from the Subscriptions screen, click the **Subscription Status** tab:

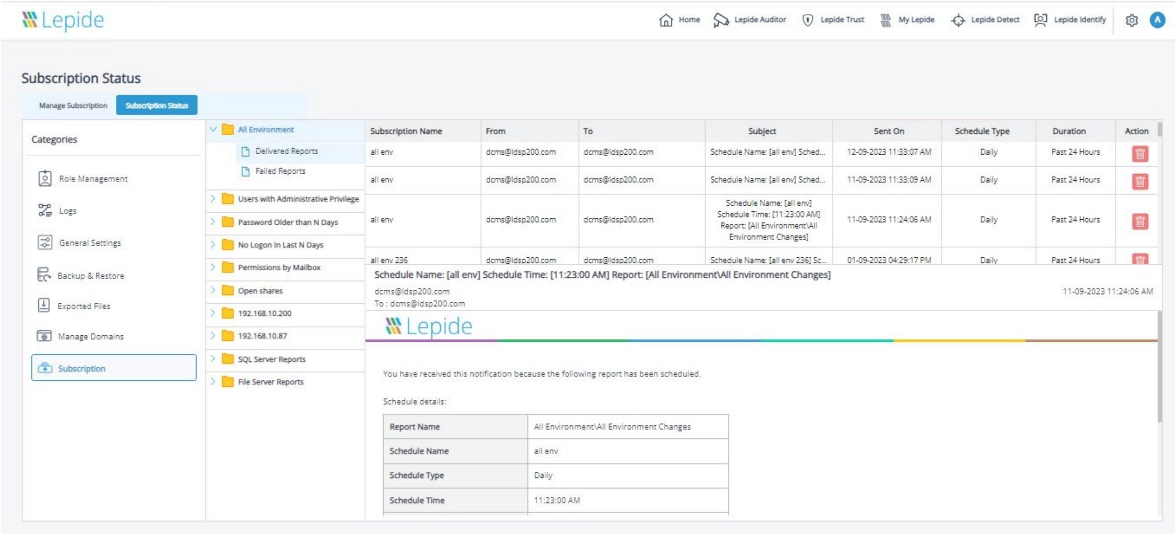


Figure 62: Subscription Status

15 Creating a Customized Dashboard

Dashboards can be customized so that you can choose exactly which graphs you want to see, giving you an immediate visual representation of your data.

You can create customized dashboards for Lepide Auditor, Lepide Trust and Lepide Identify. In this example, we will create a dashboard for Lepide Auditor:

- From the Home Screen, click on Lepide Auditor

  The Lepide Auditor Dashboards will be displayed:

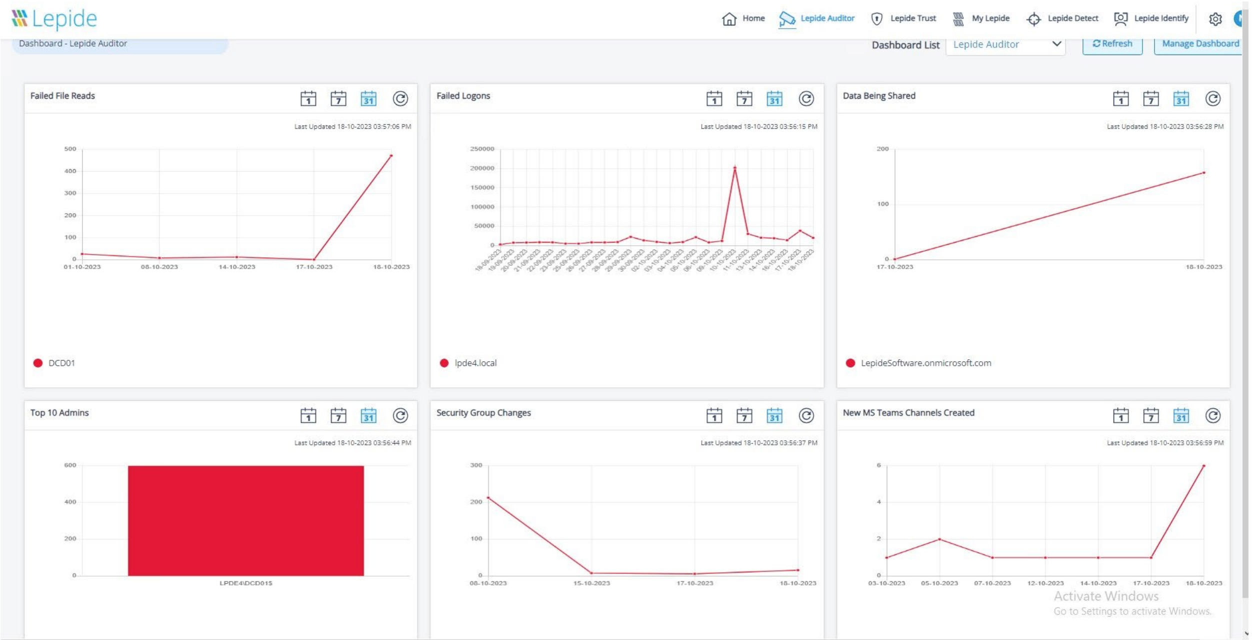


Figure 63: Lepide Auditor Dashboards

- Click on the **Manage Dashboard** button (top right of the screen)
- A list of all dashboards will be displayed:

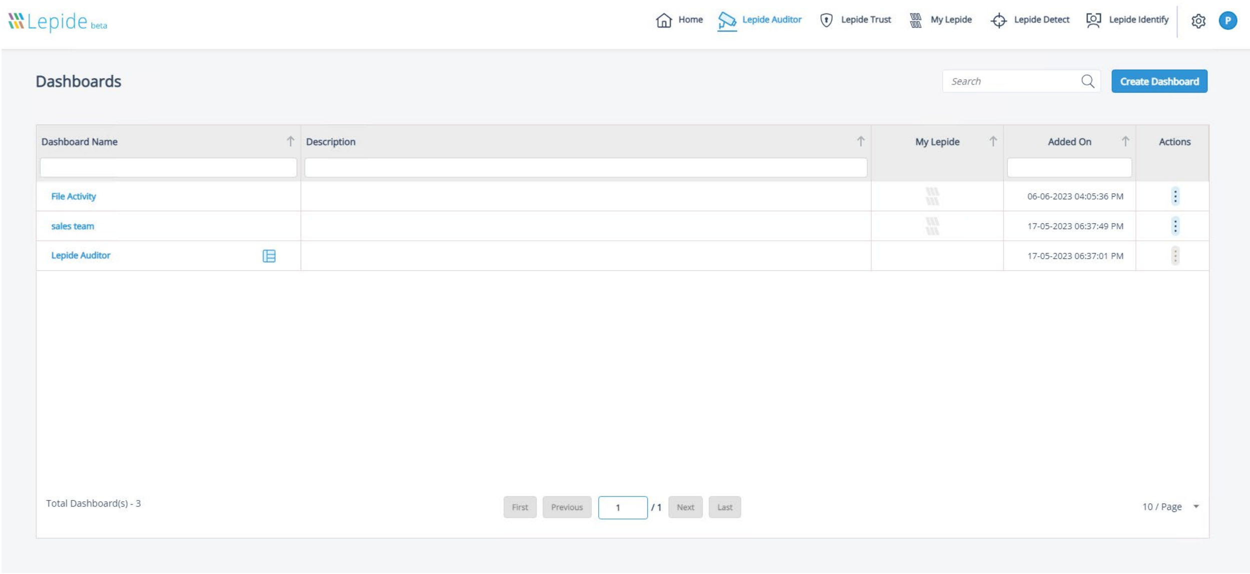


Figure 64: List of Dashboards

- Click on the **Create Dashboard** button
  The Create Dashboard dialog box will be displayed:

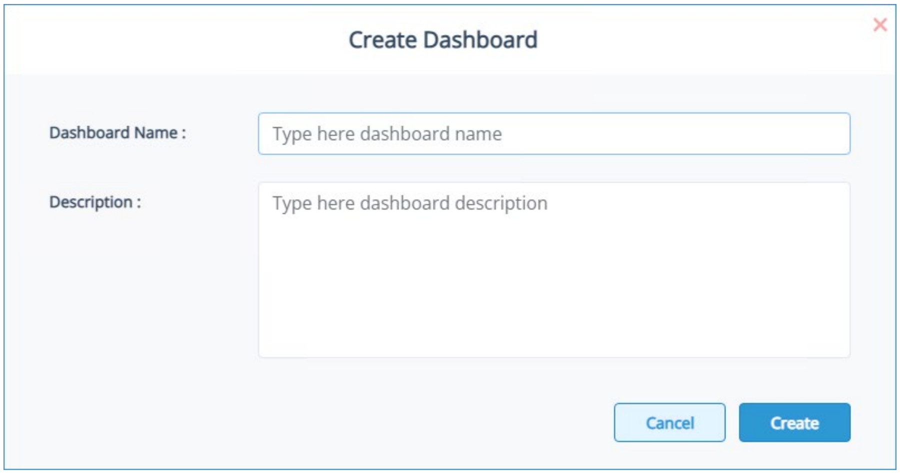


Figure 65: Create Dashboard

- Add a **Name** and **Description** for the dashboard
- Click **Create**

The Dashboard screen is displayed with the Dashboard name at the top:

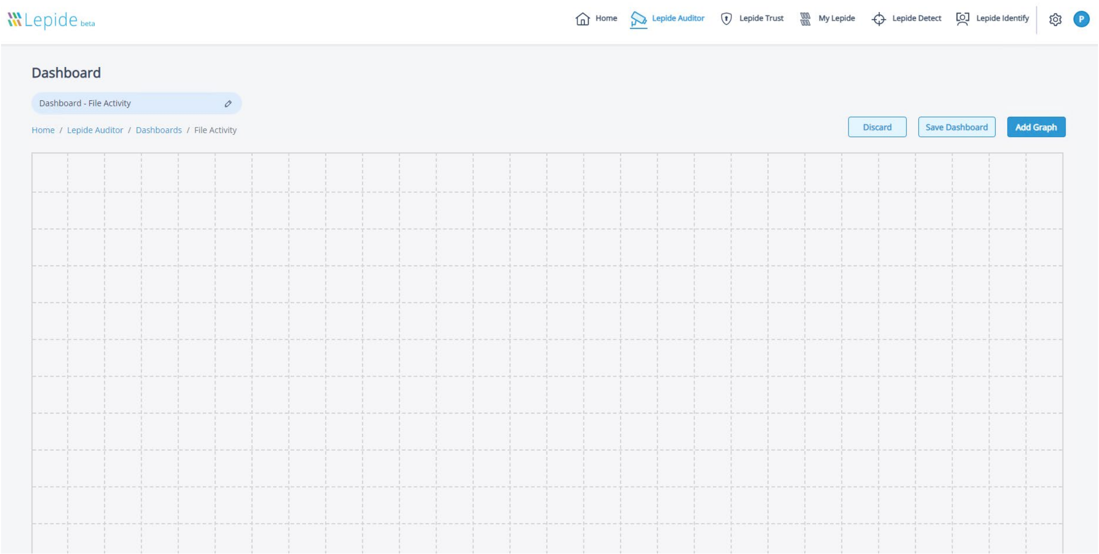


Figure 66: Dashboard Screen

- Click **Add Graph**

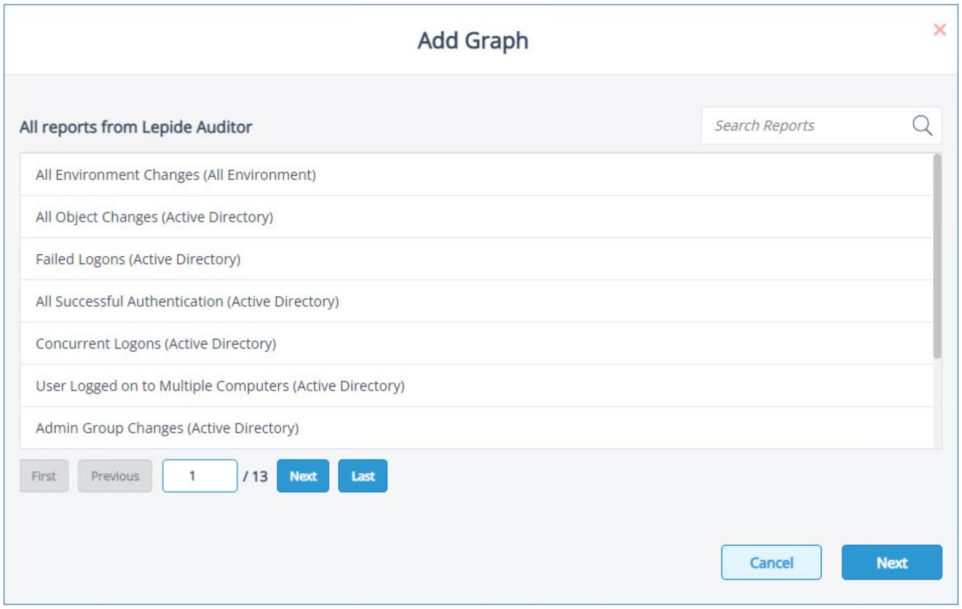


Figure 67: Add Graph

- A list of all reports from Lepide Auditor is displayed and this list includes both pre-defined and customized reports.
- Scroll down or click the First/Last/Previous/Next buttons to move through the list of reports. If you know the name or part of the name of the report, type the name into Search Reports and a filtered list of reports will be displayed:

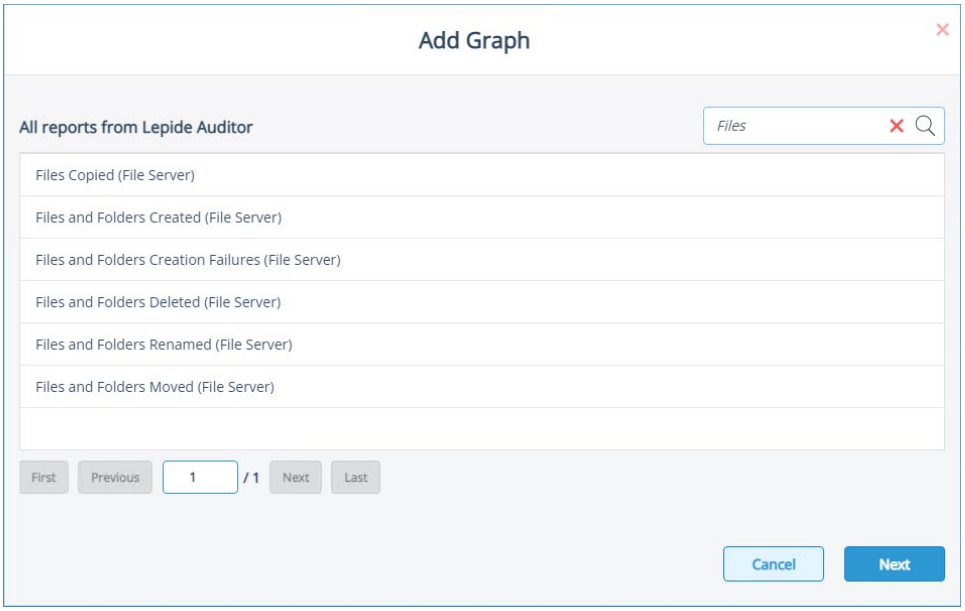


Figure 68: Filtered List of Reports

- In the example above, 'Files' has been entered into the search box so a list of reports starting with 'Files' is listed.
- Choose the report want to include in your dashboard and click **Next**

  The Choose Your Graph Style dialog box is displayed:

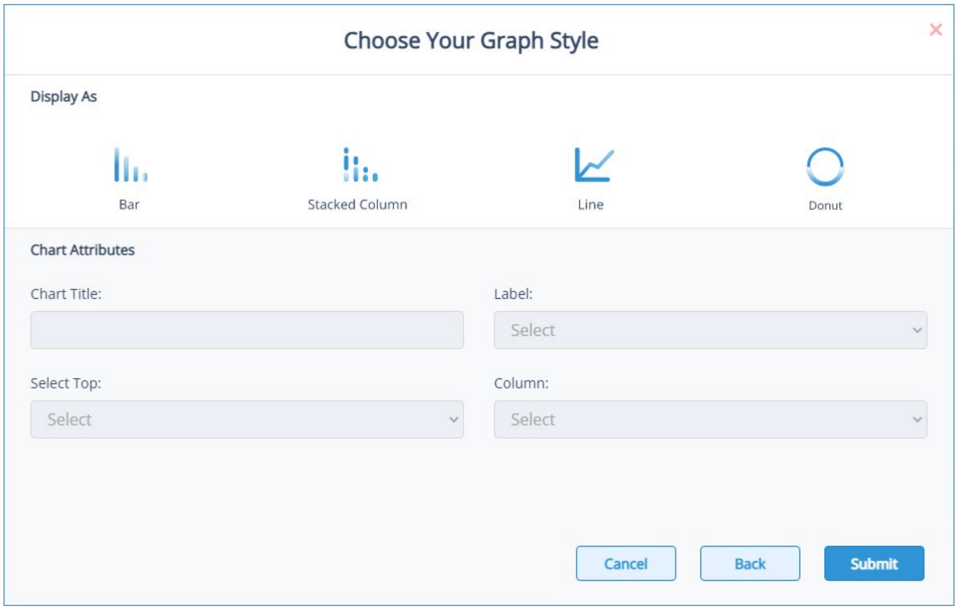


Figure 69: Choose Your Graph Style

From this dialog box select from the following options:

- Choose the type of graph you require from Bar, Stacked Column, Line and Donut
- **Chart Title**: add a title which will appear at the top of the chart
- **Label**: select a label which will be a field name from the selected report
- **Select Top**: This is the number of records to be displayed
- **Column**: This is not applicable for this example as it applies to Lepide Identify only
- Click Submit

The graph will be displayed as a box on the grid with no data displayed yet

- Click Save Dashboard

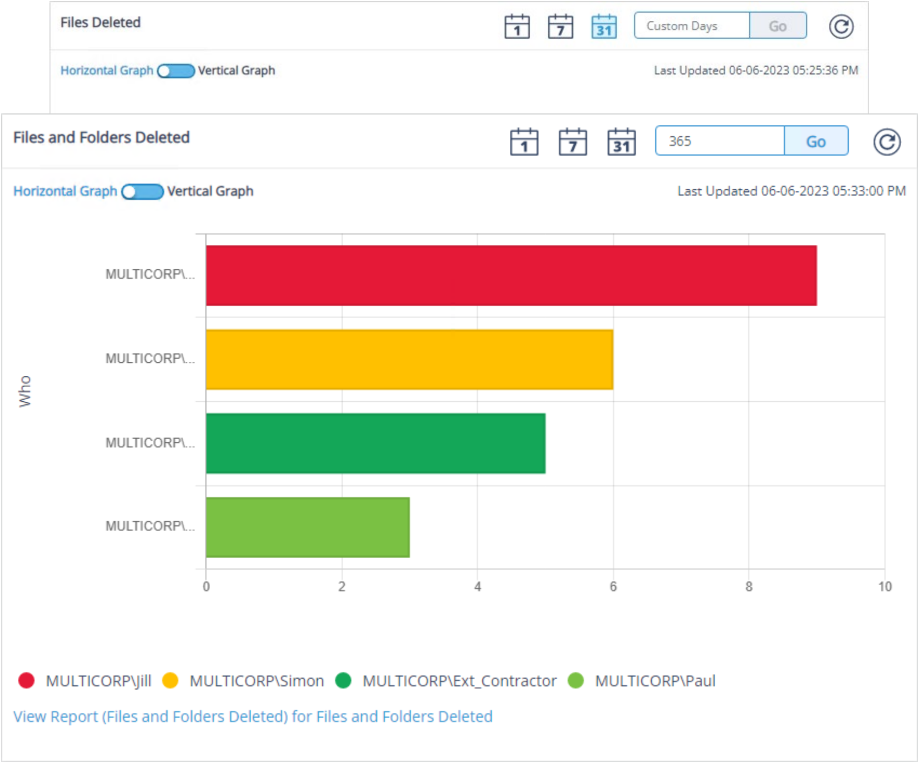


Figure 71: Files and Folders Deleted Chart

- Once saved, you can click the Refresh icon to refresh the data and the chart will be displayed:
- Repeat the above steps to add further charts to your dashboard

15.1 Editing a Customized Dashboard

To edit a Dashboard:

- from the Dashboards screen, select the dashboard that you want to edit and click the **Edit** button
- To edit a chart within the Dashboard, click the Edit Chart icon
- This will display the Edit Graph dialog box. Change the options as required and click **Save**

16 Creating a Custom Folder

Custom folders can be created in the Lepide Web Console providing an easy way to locate and run your frequently used reports.

To create a custom folder:

- From the Reports screen, select **Create Folder**

The Create Folder dialog box is displayed:

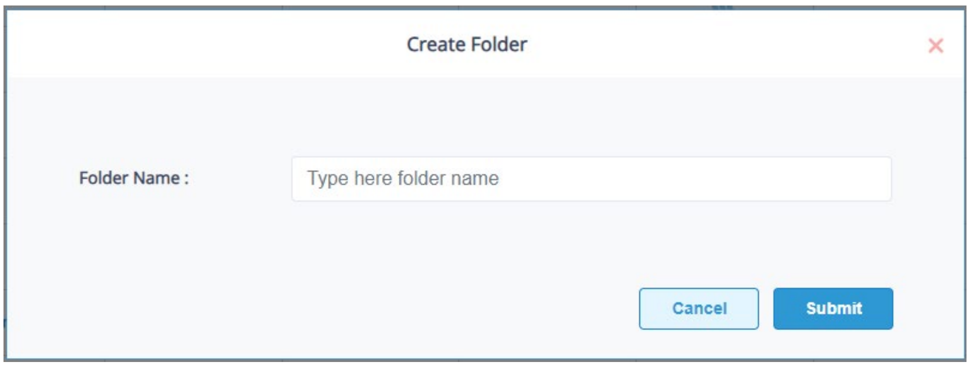


Figure 72: Create Folder

- Type a folder name and click **Submit**

A message box appears showing the folder has been created successfully:

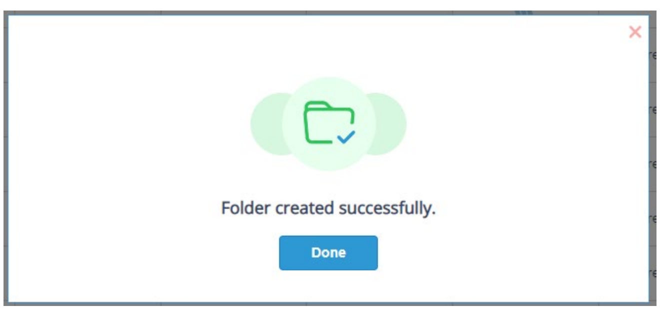


Figure 73:Folder Created Successfully

- Click **Done**

The custom folder will be displayed in the folder list on the left-hand side of the Reports Screen:

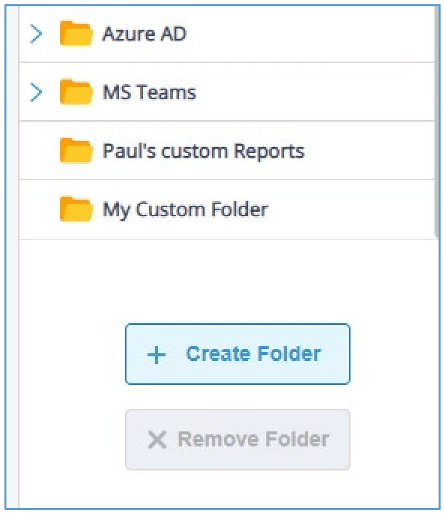


Figure 74: Custom Folder in Folders List

- Now when you create a customized report, you can save it in your custom folder

17 Remove, Move or Share a Report

Custom reports can be removed, moved or shared while predefined reports can be shared

17.1 To Remove a Custom Report

From the Reports screen, next to the report that you want to remove, click the icon

This menu option to Remove, Move or Share the report will appear

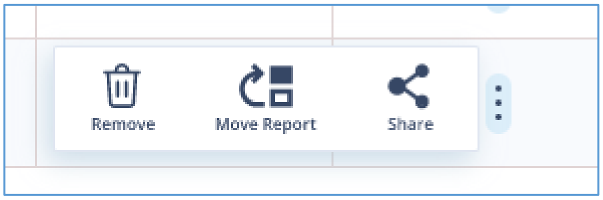


Figure 75: Remove, Move or Share

- Choose **Remove**

The following dialog box will appear:

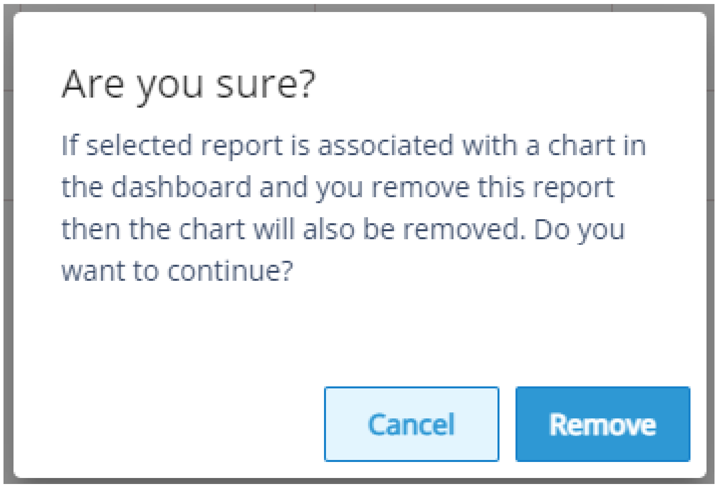


Figure 76: Confirmation to Remove a Report

- Click **Remove** to remove the report

17.2 To Move a Custom Report

- Click the icon and choose **Move Report**

The Select a Folder dialog box is displayed:

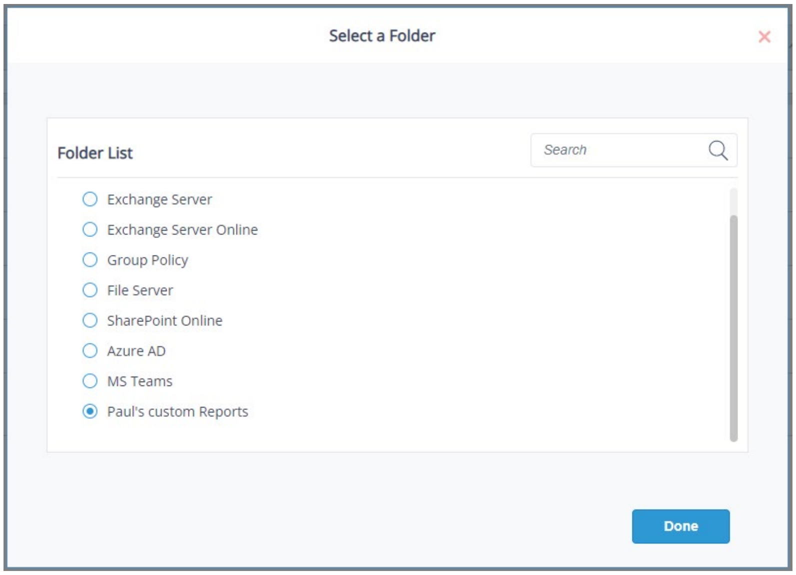


Figure 77: Select a Folder

- Select the folder to move the report to
- Click **Done**

17.3 To Share a Report

- Click the icon and choose Share Report

The Select User(s) or Group(s) dialog box appears:

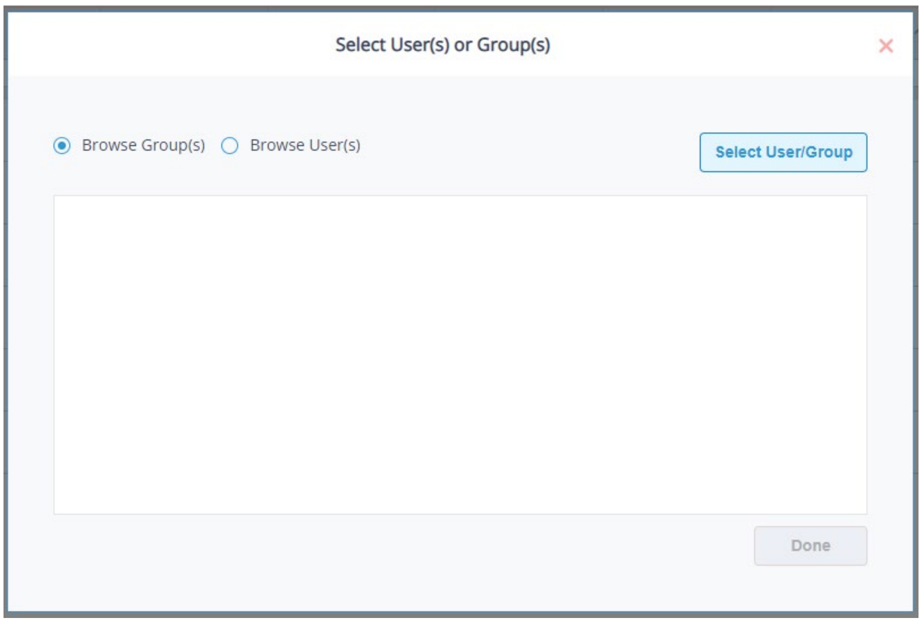


Figure 78: Select Users or Groups

- Select **Browse Group(s)** or **Browse User(s)** and click the Select User/Group button

A list of users or groups will be displayed:

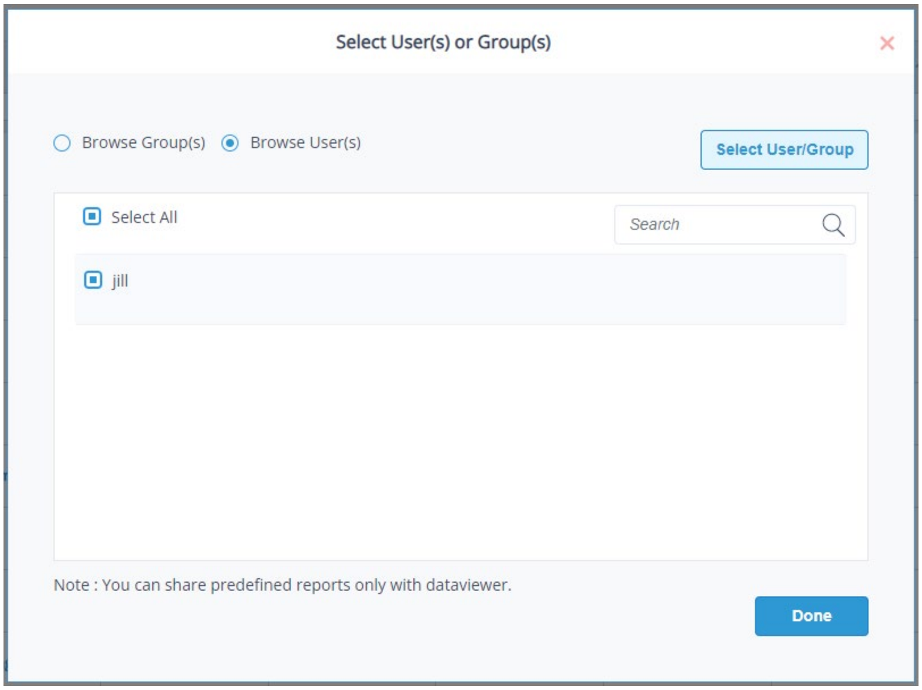


Figure 79: Select the User(s)

- Select the user(s) to share the report with and click **Done**

A **Successfully Shared** message box will be displayed.

- Click **Done**

The Share information is shown in the Reports screen under **Shared With** and **Shared By**

In this example the Failed Logons report was shared with Jill by Paul:

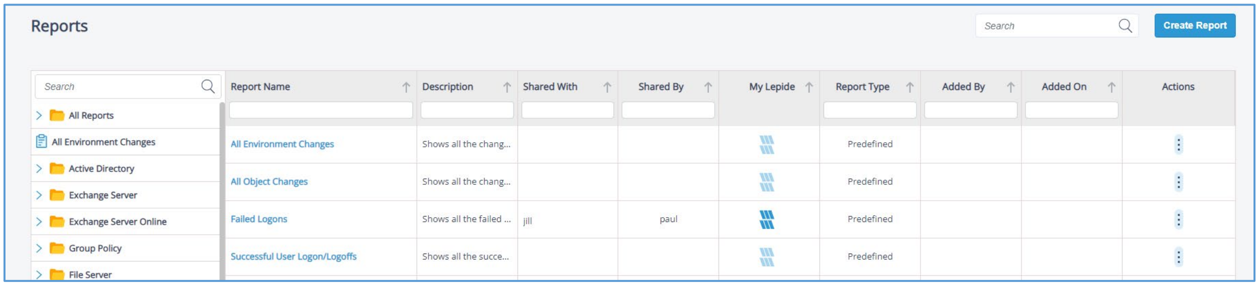


Figure 80: Share Information

18 Alerts

Real time alerts for all significant security changes are an essential tool to enable organizations to quickly detect and respond to potential threats. All alerts are in real time and are delivered to administrators or selected recipients either to the Lepide Dashboard, via email or directly to any iOS or Android mobile device.

The Lepide Web Console can be configured to execute a customized script whenever an alert is triggered. Scripts can be of the following types: VB Script, PowerShell Script or Batch File.

Using custom script execution, you can shut down users, servers and take other actions to mitigate the effects of a security breach.

Alerts can be set up by either using one of the pre defined Threat Models or by setting up an Alert on a report. In this guide, we will look at both methods.

18.1 Alert Status

- To see a list of Alert Reports, select **Alert Status**

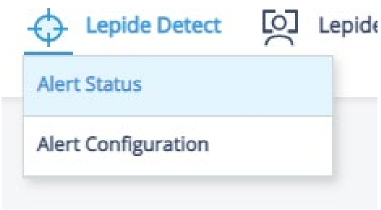


Figure 81: Alerts Menu

This will display the Alert Status screen. Here any Alert Reports which have run will be displayed

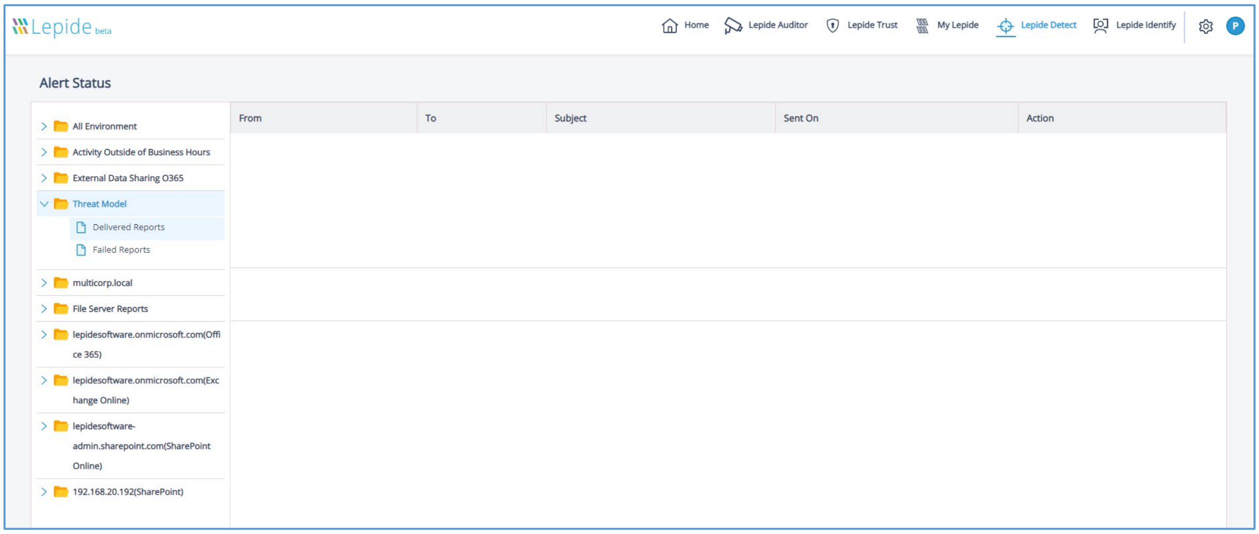


Figure 82: Alert Status

18.2 Alert Configuration

All Alerts are set up from the Alert Configuration screen which is accessed as follows:

- From the Dashboard screen choose **Lepide Detect**, **Alert Configuration**

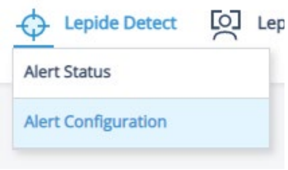


Figure 83: Alerts Menu

The Alert Configuration screen will be displayed:

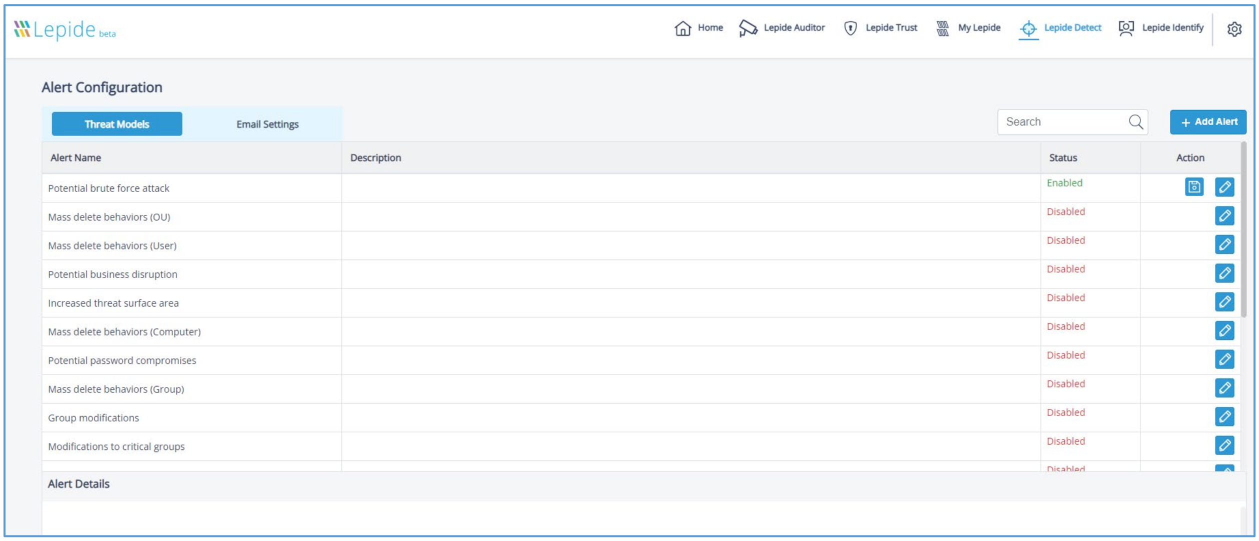


Figure 84: Alert Configuration

18.3 Threat Models

- There are many threat models included with the Lepide Web Console. A threat model is a predefined alert for a particular scenario and examples of scenarios could be a potential ransomware attack, or files copied. Enabling one of these predefined threat models allows you to generate real time alerts whenever a potential threat is detected

All the threat models available within the Lepide Web Console are displayed on the Alert Configuration screen, under the **Threat Models** tab:

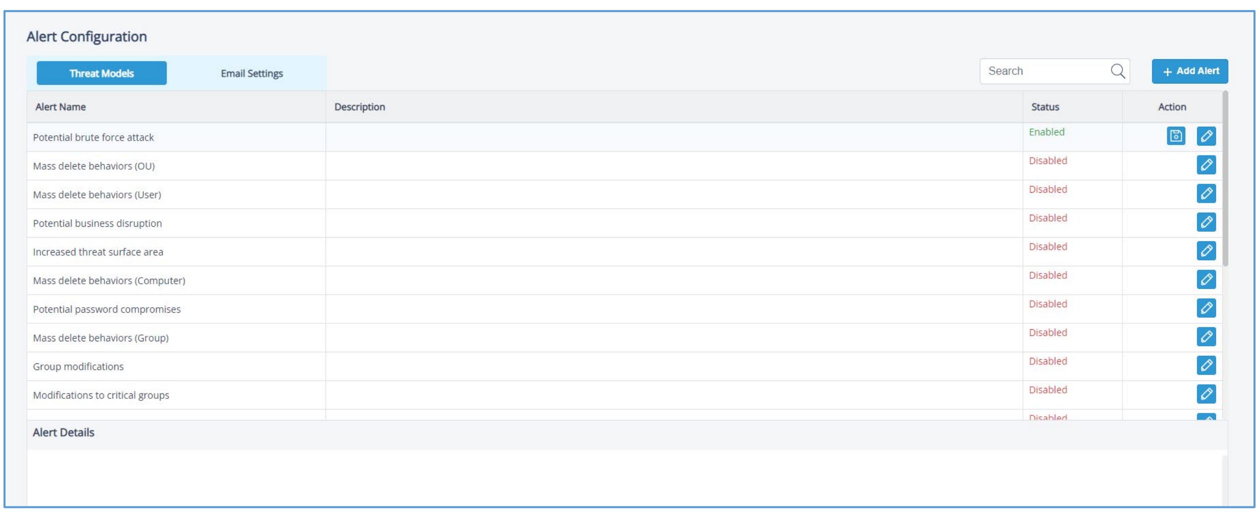
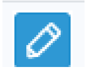


Figure 85: Threat Models

The Threat Models can be enabled as needed. They can then be configured to generate an alert and respond to a threat. The example below explains how to enable the **Potential Ransomware Attack Threat Model**.

18.3.1 How to Enable and Configure a Threat Model

- From the Alert Configuration screen scroll down until you can see the Threat Model you want to enable. You can also type into the search bar at the top to search for a specific Threat Model.
- To enable the Potential Ransomware Attack Threat Model, click the Edit icon  .

The Edit Alert dialog box will be displayed:

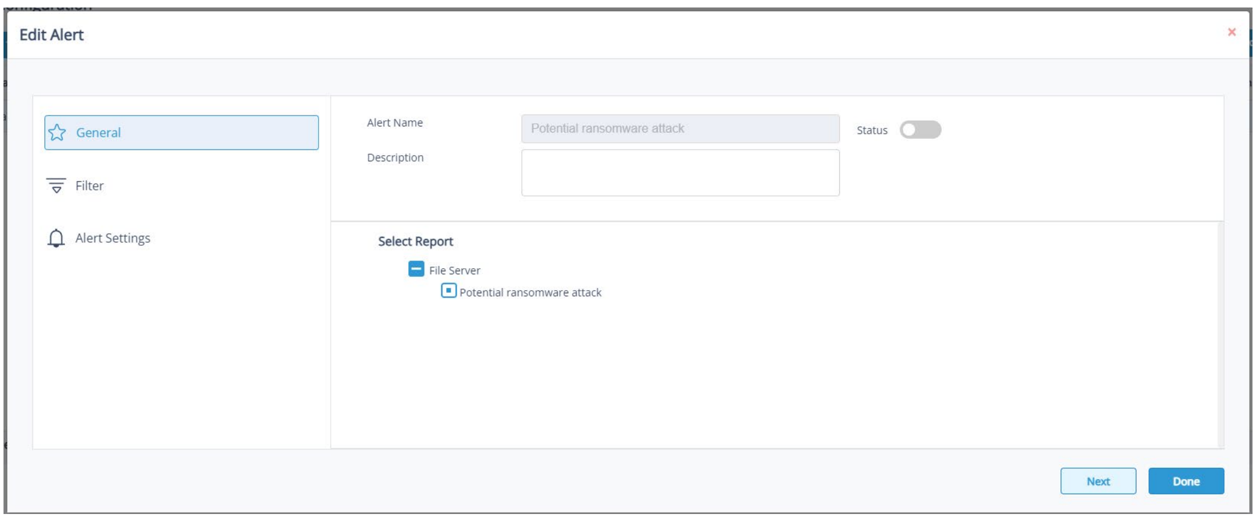


Figure 86: Enable a Threat Model

- Slide the **Status** toggle button to the right to enable the Threat Model
- Click **Next**

This will take you to the **Filter** option:

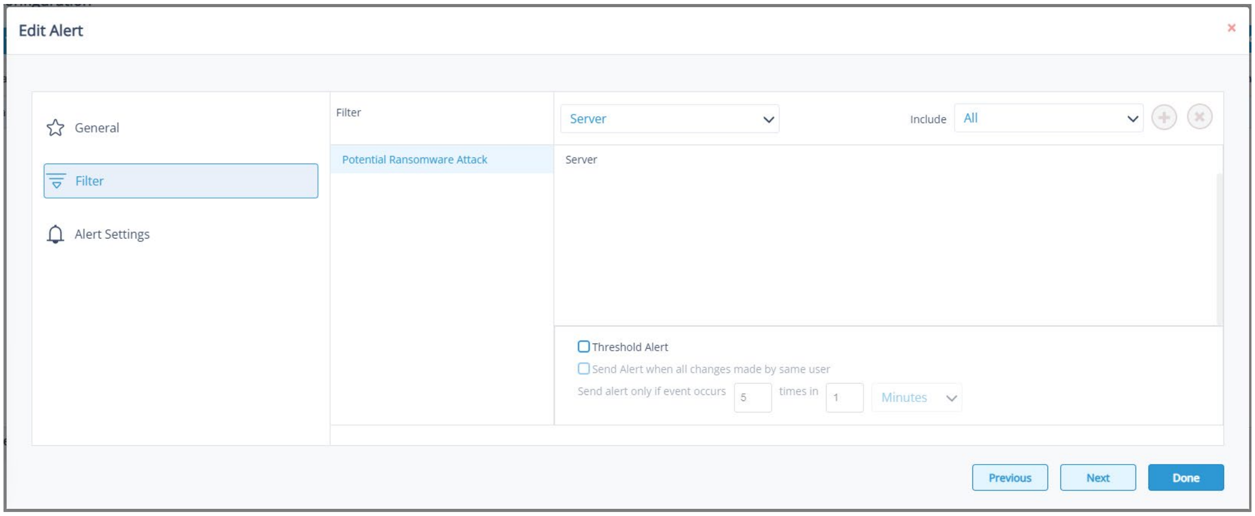


Figure 87: Filter Option

- On the left of the dialog box, you can see the Threat Model you are working on which is **Potential Ransomware Attack**.
- Click the Server drop down to select options to change the settings for **Server, User, Object Name, Object Path, Operation, Process and From**. 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 are shown:

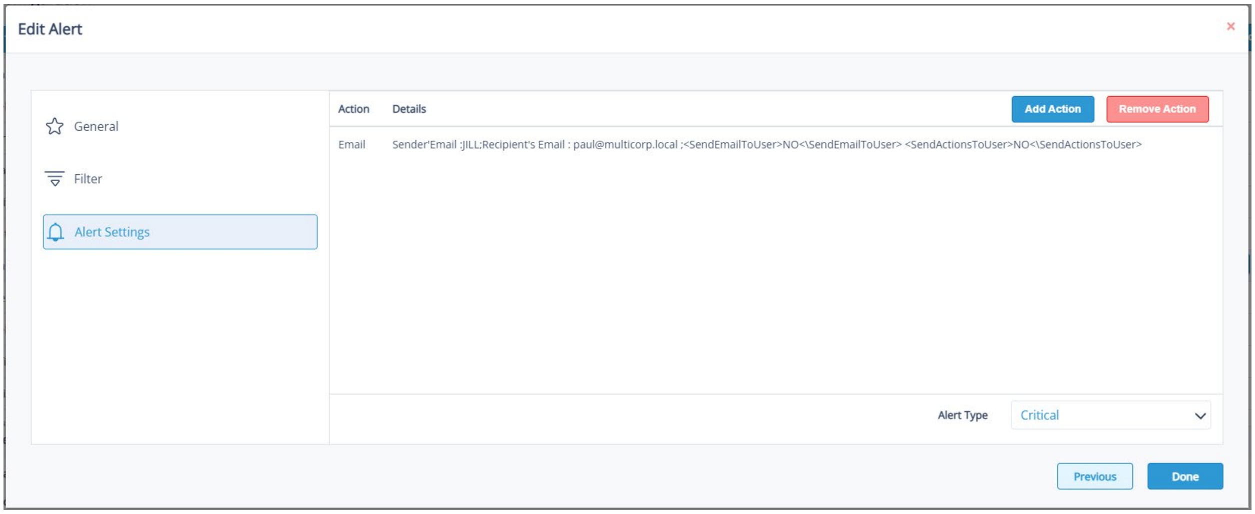


Figure 88: Alert Settings

This 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 Action** button
- The **Alert Action** dialog box is displayed:

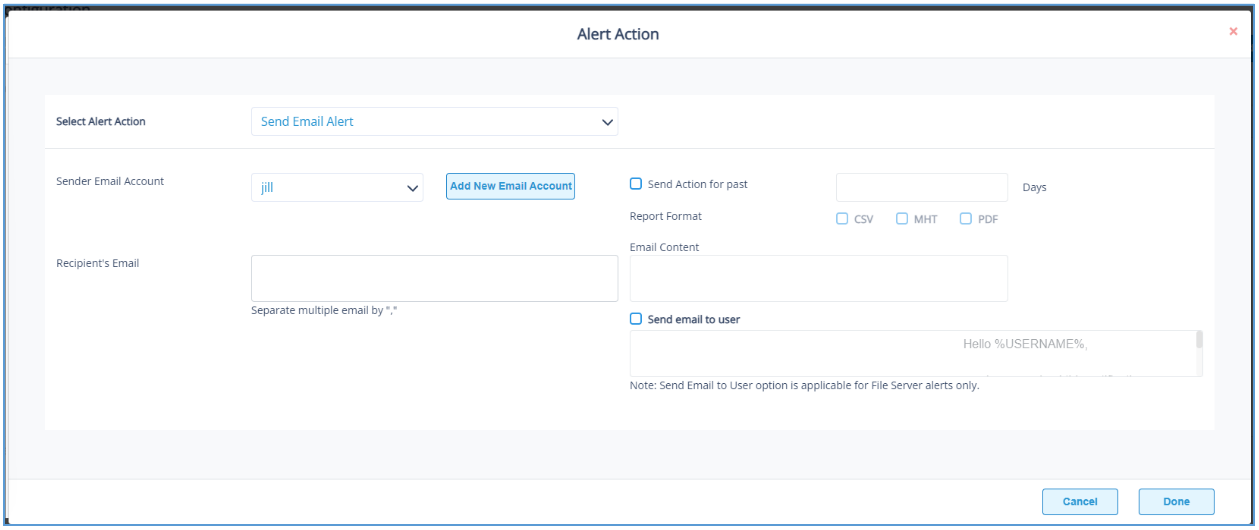


Figure 89: Alert Action

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

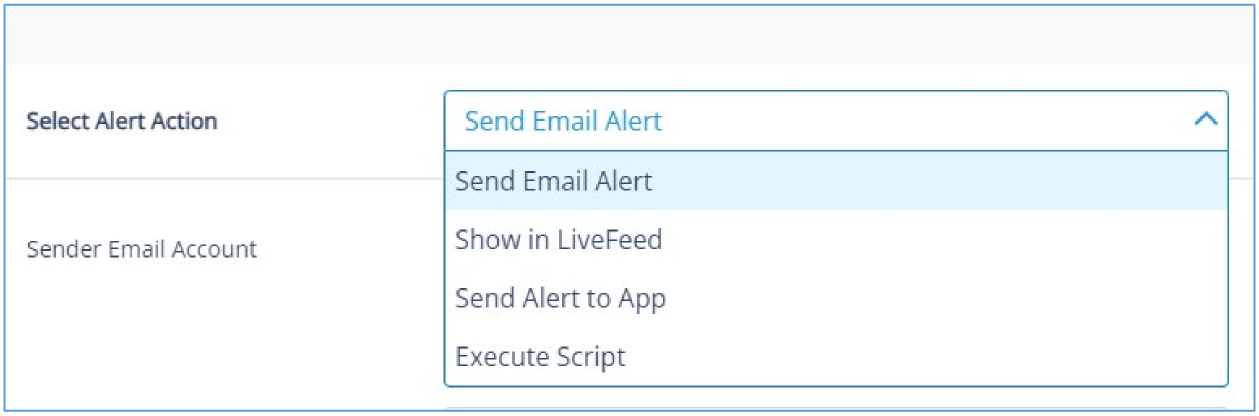


Figure 90: Alert Actions

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

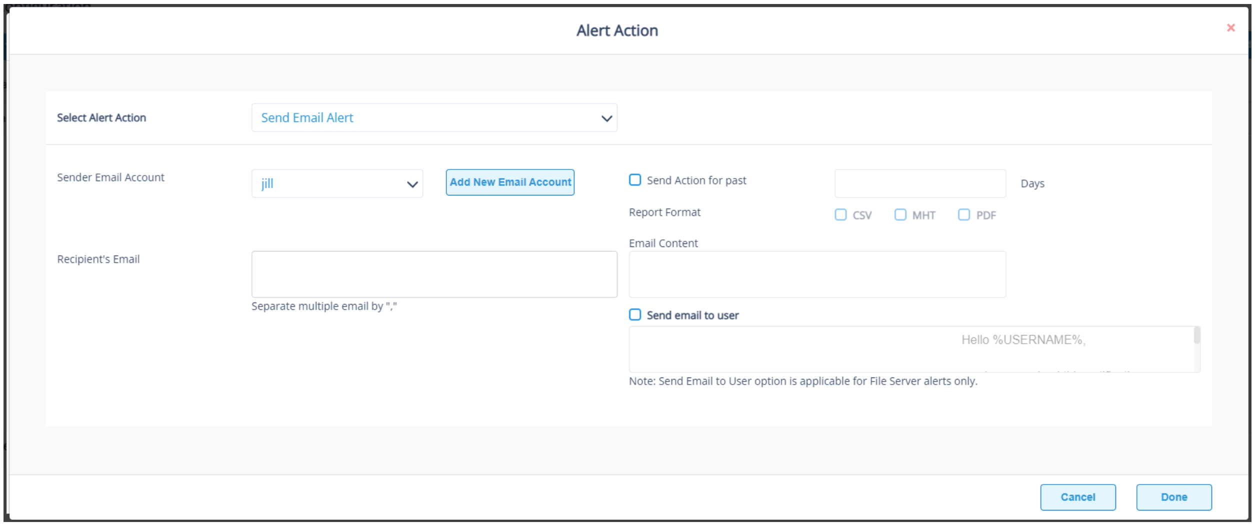


Figure 91: Send Email Alert

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

- **Sender Email Account:** The Sender's email account will be displayed here if it has been selected.
- Click **Add New Email Account** to enter a new Sender Email Account.
  For further information on adding a new email account, please refer to Section 17.4 of this guide.
- **Recipient's Email:** 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 number of specified days. For example, if an alert is triggered because they have been copying files, then you may want to see what else they have been doing. Check this box and specify the number of days and an email will be sent with an attachment listing everything that the user has done over the specified number of days.
- **Report Format:** The attachment will contain a report and the format(s) can be specified by checking the relevant box. The formats are CSV, MHT and PDF.
- **Email Content:** Type the content of the email to be sent here
- **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%. **Note** that this option is only applicable to File Server alerts.
- Click **Done** to save the alert action.

2. Show in LiveFeed

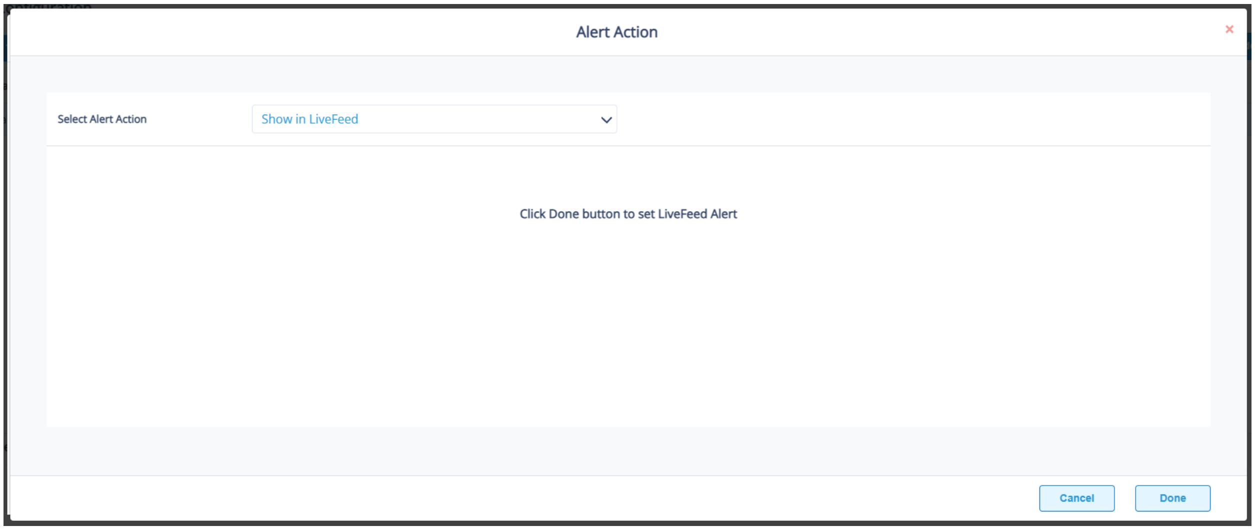


Figure 92: Show in LiveFeed

Show in LiveFeed means that the alert will be sent to the LiveFeed dashboard which can be seen on the Lepide Detect Dashboards screen.

- Click **Done** to switch the **LiveFeed** alert on.

3. Send Alert to App

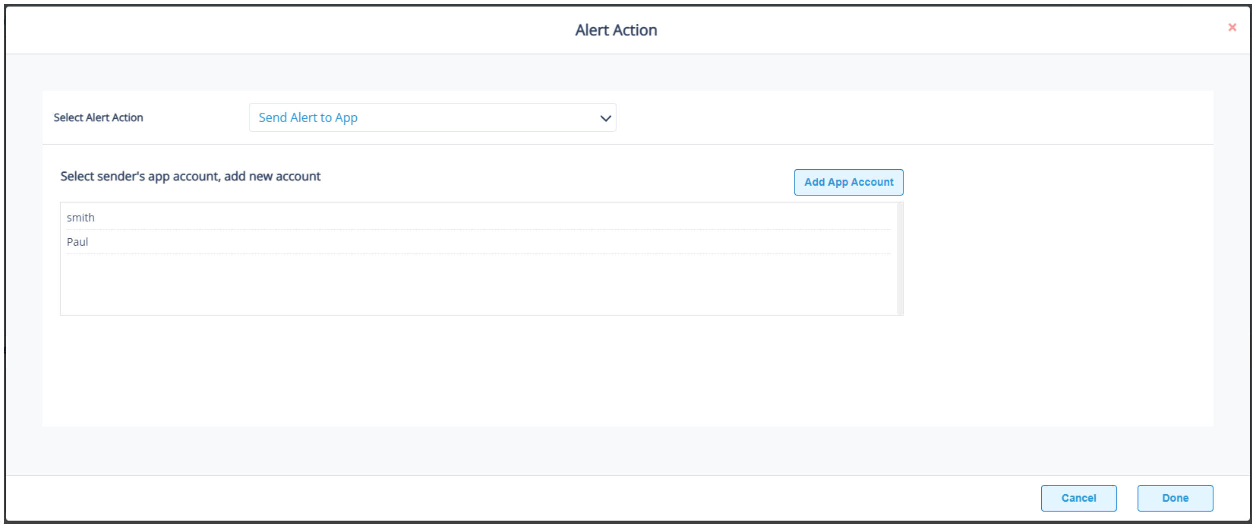


Figure 93: Send Alert to App

- The **Send Alert to App** option sends the alert to a mobile device.
- Click **Add App Account** to add a new mobile account. For further information on adding a new App Account, please refer to Section 17.4 of this guide.

4. Execute Script

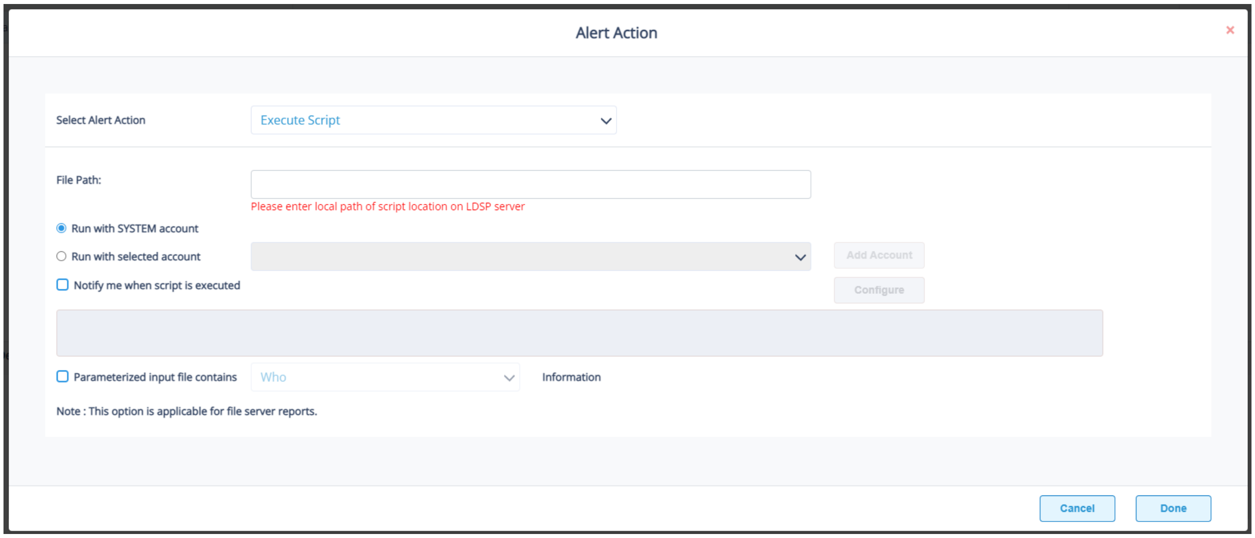


Figure 94: Execute Script

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:

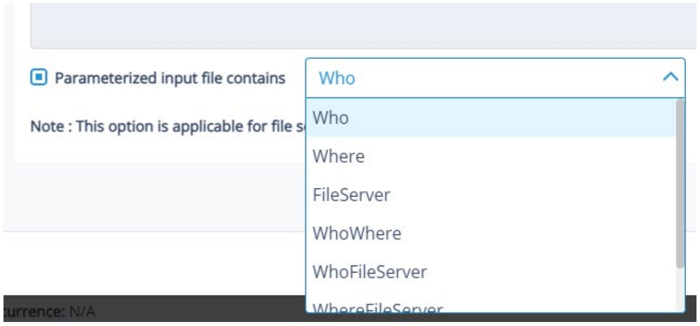


Figure 95: List of Variables

- Click **Done** to return to the **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 **Done** to finish

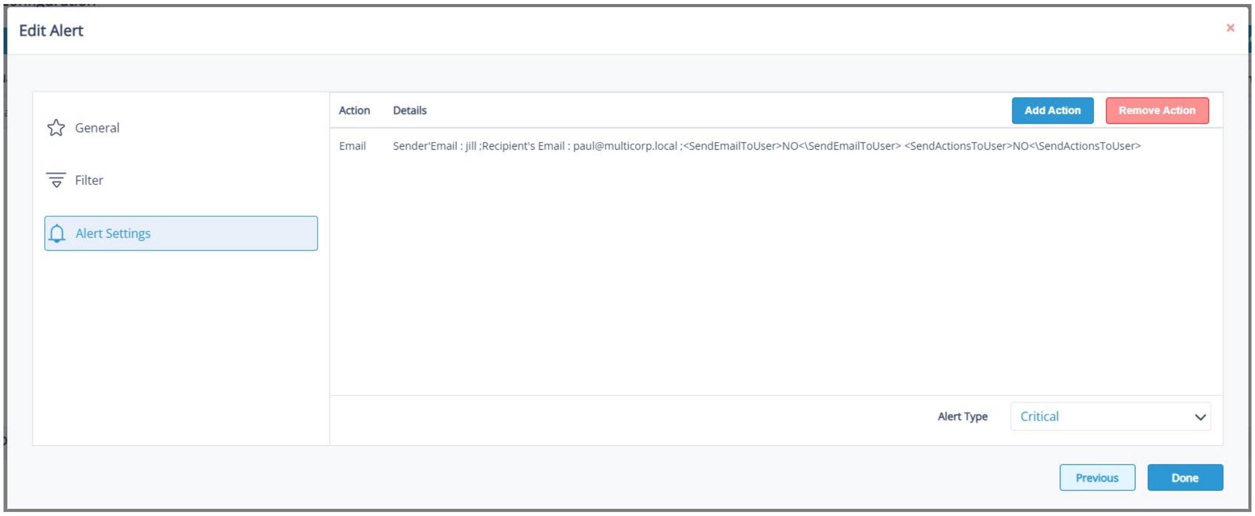


Figure 96: Edit Alert

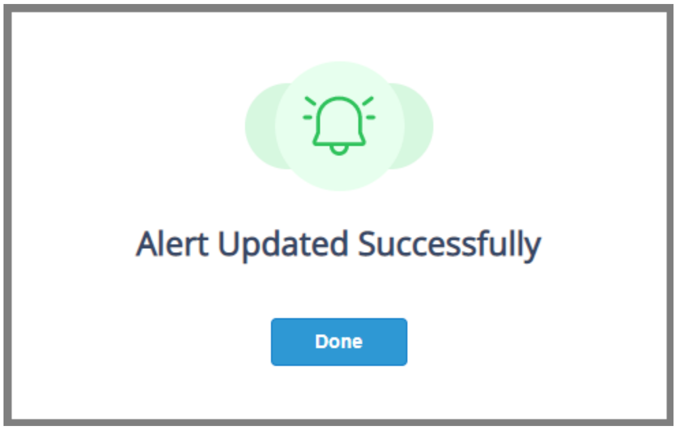


Figure 97: Alert Updated Successfully

18.4 Setting Alerts

To set up alerts without using a threat model, follow the steps below:

- From the Alert Configuration screen, select **+ Add Alert**

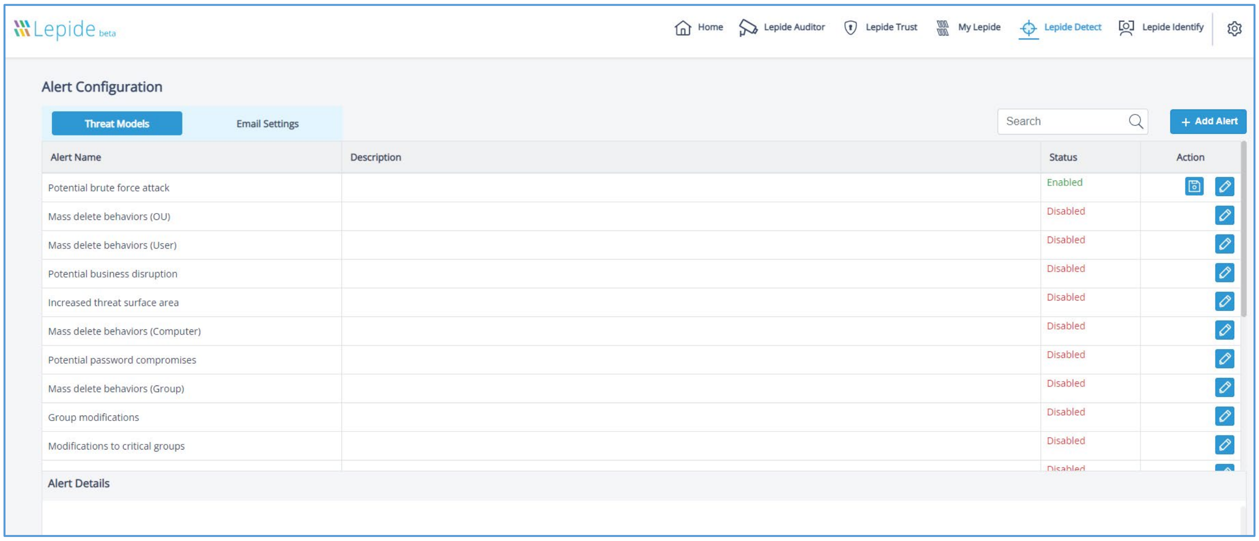


Figure 98: Alert Configuration

The Add Alert dialog box is displayed:

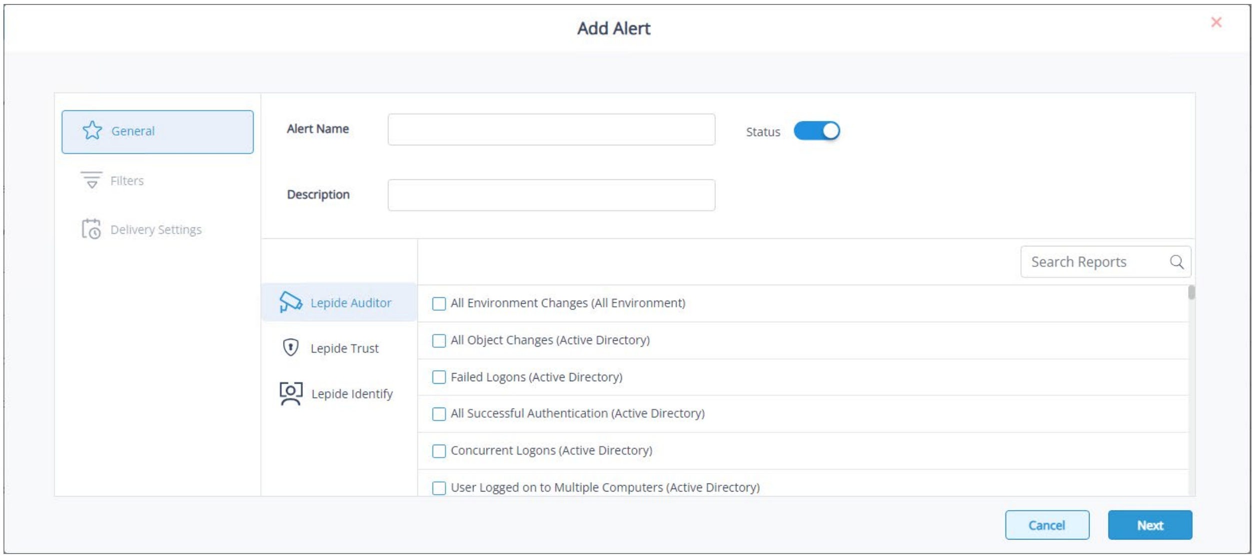


Figure 99: Add Alert

- Add the Alert Name and optional Description
- Select the report(s) on which you want to create an alert
- Click **Next**

The Add Filters option is displayed:

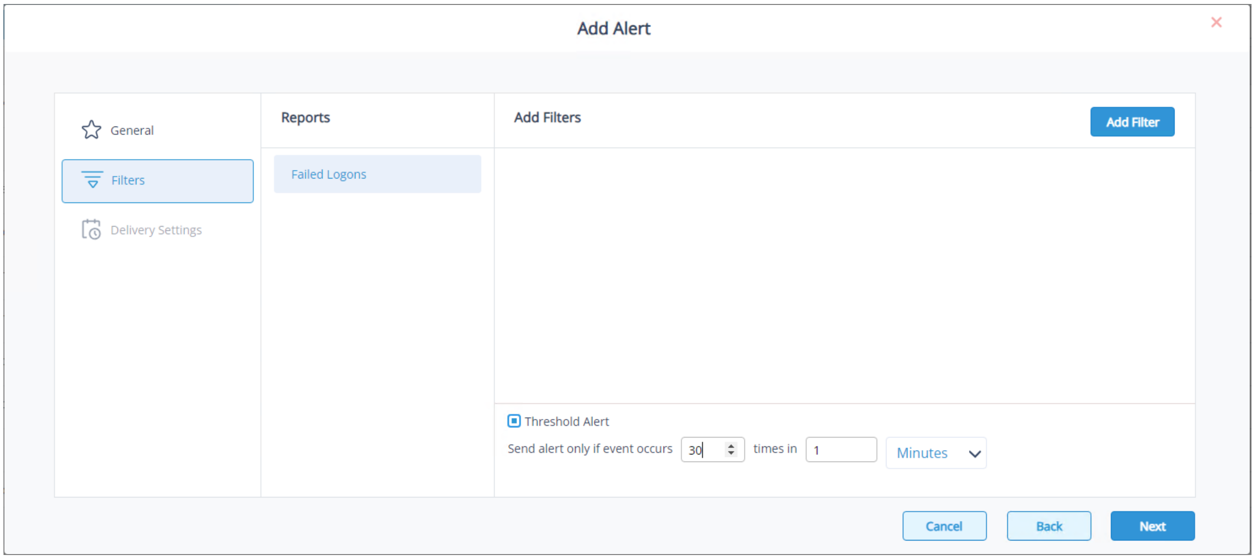


Figure 100: Add Filters

- Click the **Add Filter** button to add a new filter

The Add Filters options are displayed:

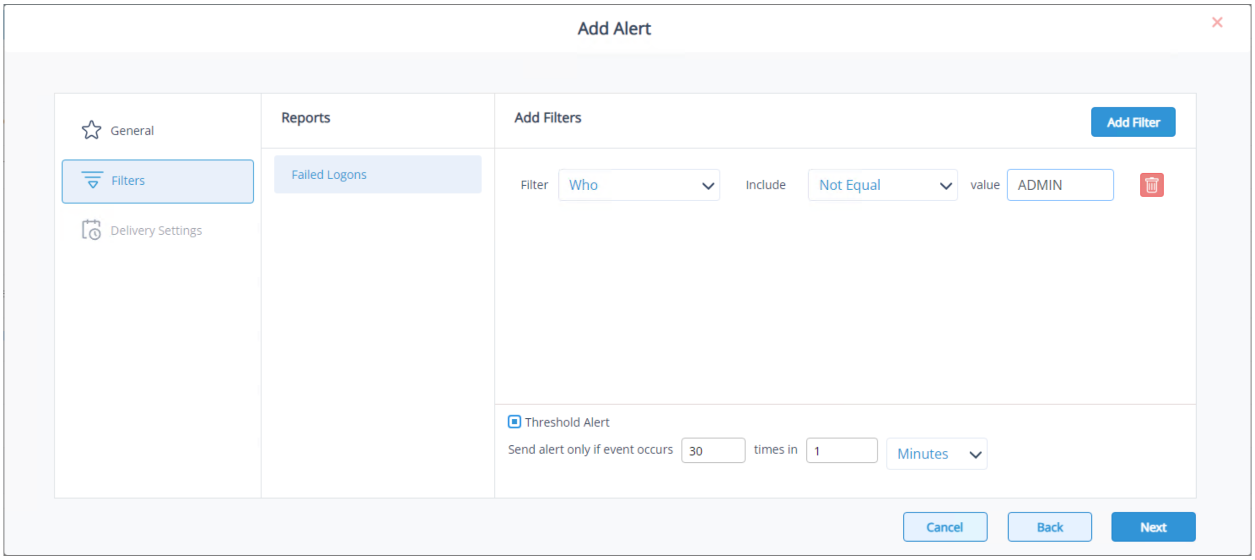


Figure 101: Filter Options

- Select the filter options
- Click the **Add Filter** button again to add more filters if required
- 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:	Change the number of times the event occurs, the time value and time-period here

- Click **Next**

  The Delivery Settings options are displayed:

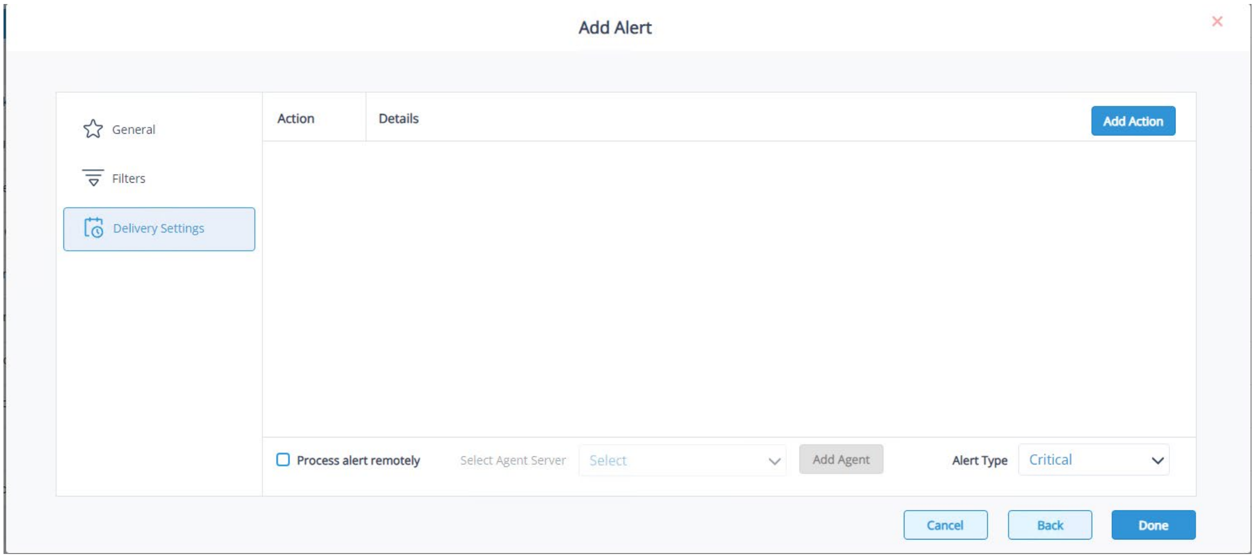


Figure 102: Delivery Settings

- Click **Add Action** to add a delivery action

The Configure Report Delivery Action dialog box is displayed:

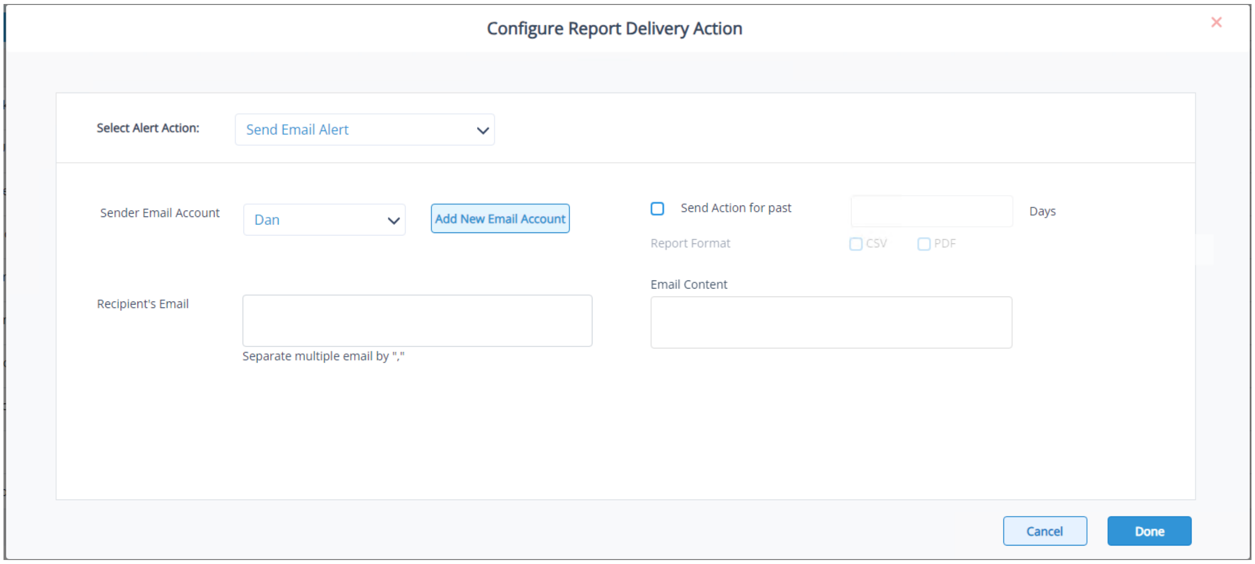


Figure 103: Configure Report Delivery Action

- Select the **Alert Action**

This can be one of the following options:

– Send Email Alert

– Show in LiveFeed

– Send Alert to App

– Execute Script

In this example, **Send Email Alert** has been selected:

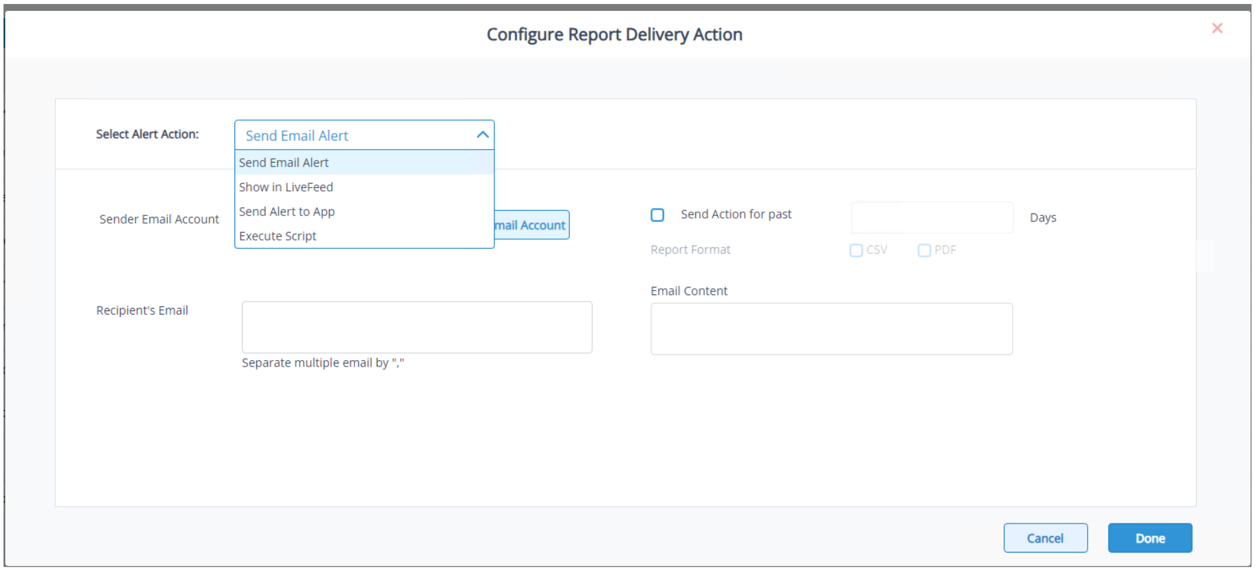


Figure 104: Select Alert Action

- Specify the **Sender Email Account**
- Click **Add New Email Account** to add a different email account if required
- Select **Send Action for past xx days** if required
- Select the **Report Format**. This can be CSV or PDF
- Specify the **Recipient's Email**. For multiple email addresses, separate them with a ','
- Specify the **Email Content** to be included in the email when an alert is triggered
- Click **Done** when finished

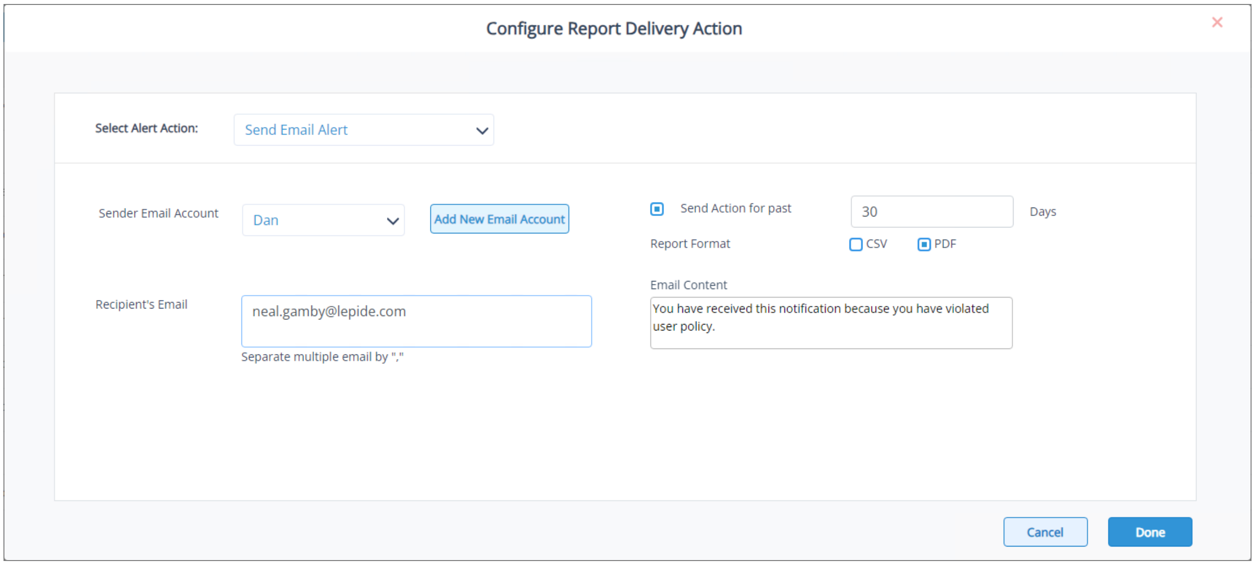


Figure 105: Configure Report Delivery Action Completed

The alert is displayed in the Add Alert dialog box:

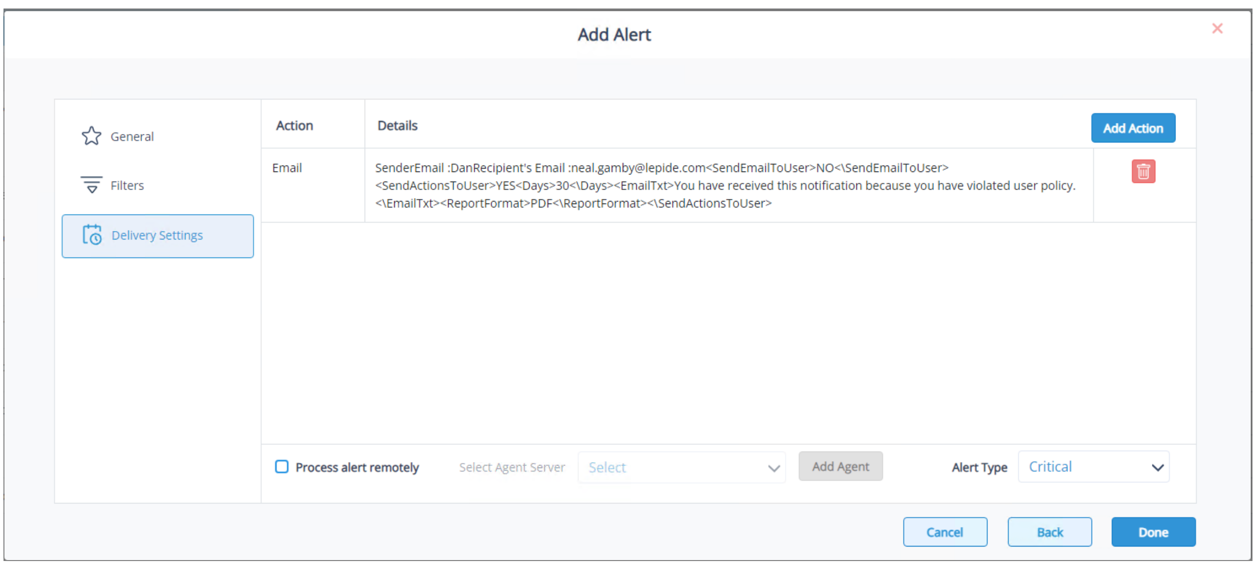


Figure 106: Add Alert

- Select **Process alert remotely** if required.
- To do this you will need to specify an Agent from the **Select Agent Server** drop down list.
- If you need to add an Agent, select the **Add Agent** button and follow the steps in Section 18.5 of this guide.
- Specify the **Alert Type**. This can be Critical, Warning or Normal.

- Click **Done** when finished.
- The Alert will be displayed at the end of the list and will show as **Enabled.**
- Click on the Alert Name to display **Alert Details** at the bottom of the screen.

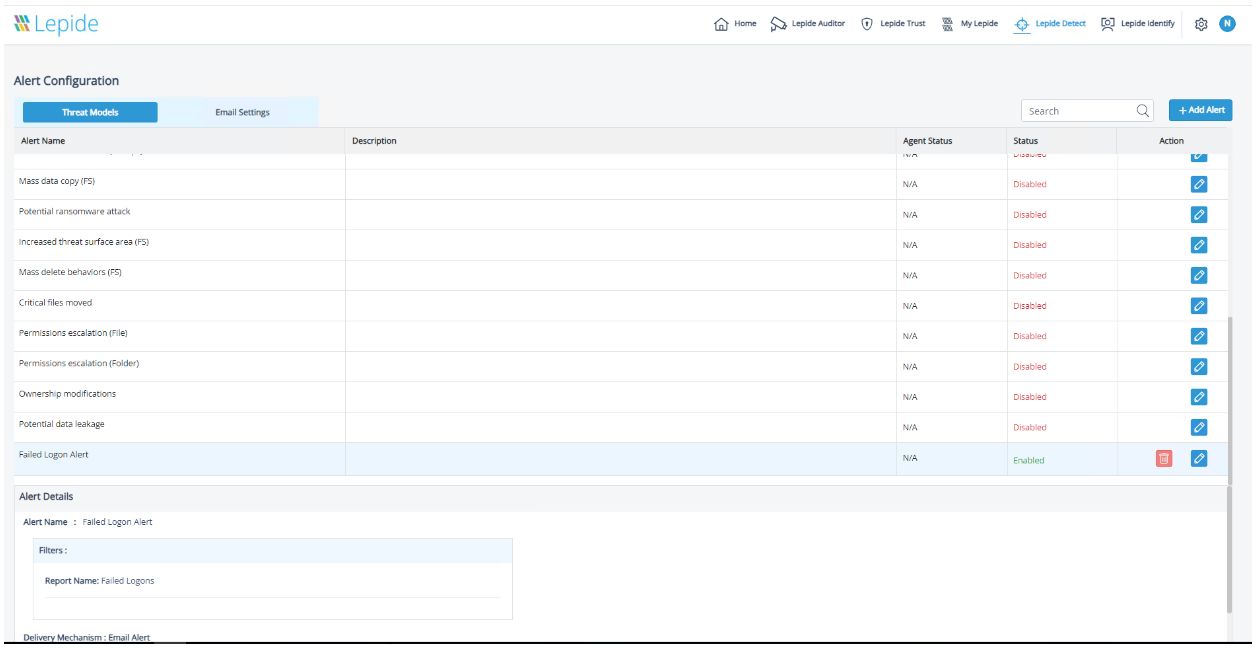


Figure 107: Alert Configuration with Alert Details

- To delete the alert, click the **Delete** icon 
- To modify the alert, click the **Edit** icon 

18.5 Adding an Agent

Before adding an Agent, the agent will need to have been installed. For information about this, please see our [e-Discovery User Guide.]

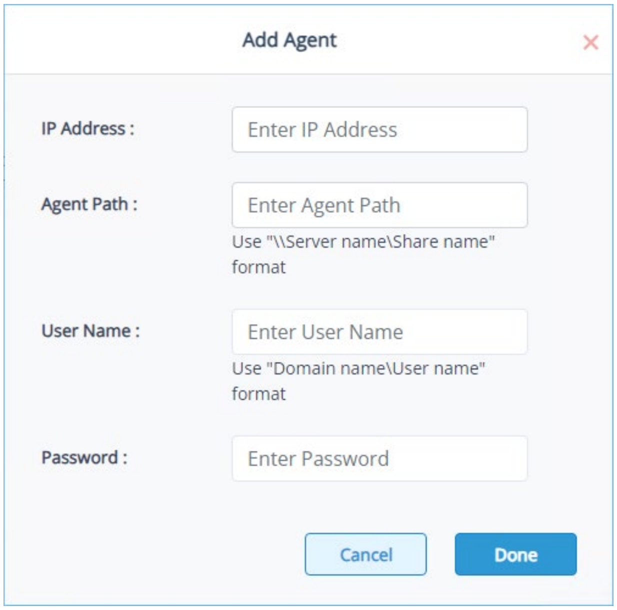


Figure 108: Add Agent

- Add the following information:
  - **IP Address:** Add the IP Address
  - **Agent Path**: Use \\Server name\Share name format
  - **User Name**: Use domain name\User name format
  - **Password**: Enter Active Directory password
- Click **Done** when finished

18.6 Email Settings Tab

Click the **Email Settings** tab to see the Email Settings Options. Here you can set up the Email or App information where the alert will be sent

- To add a new **Email** or **App Account**, click **Add**

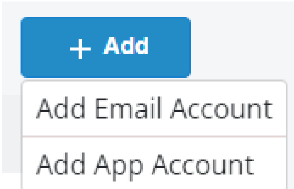


Figure 109: Add Email or Add App

- Select **Add Email Account** to add email account details
- Type the email account information and click **Submit**

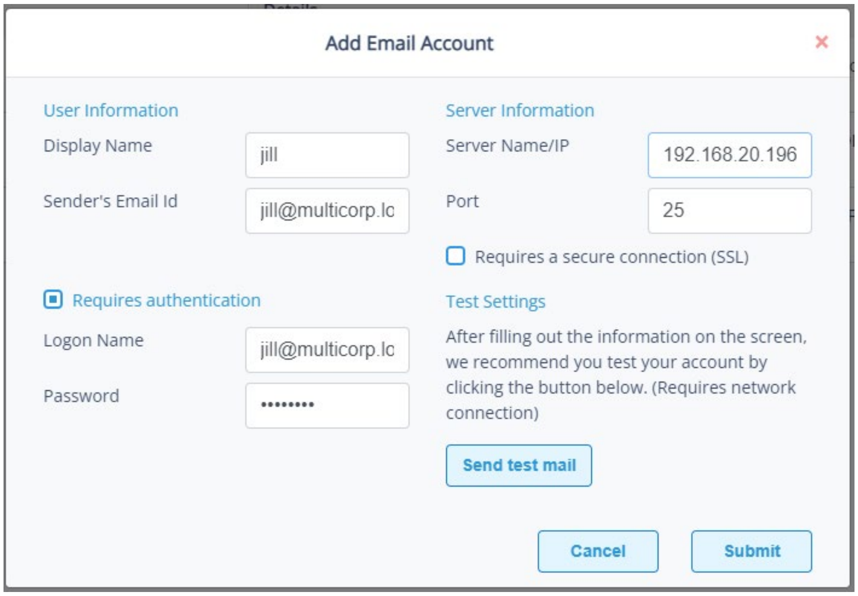


Figure 110: Add Email Account

- The email account details will be listed in the Alert Configuration screen:

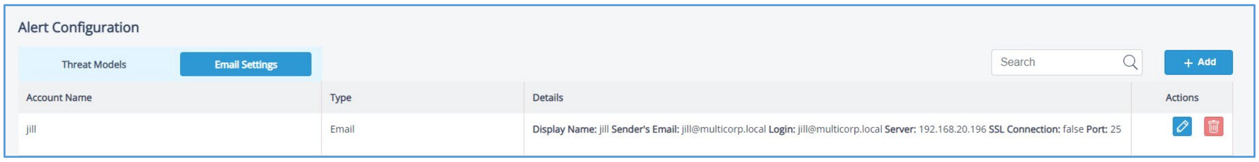


Figure 111: Email Account Details

- Select **Add App Account** to add app account details

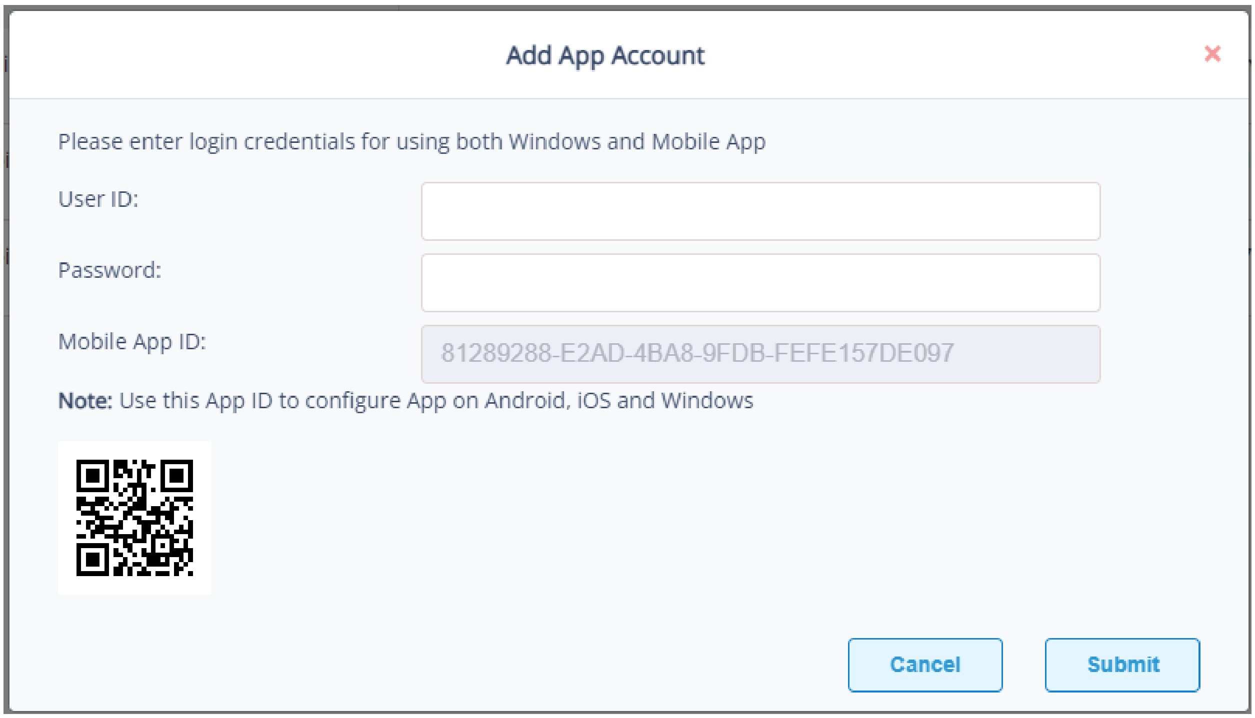


Figure 112: Add App Account

- 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**

19 How to View Logs

Activity logs can be viewed from within the Admin Console:

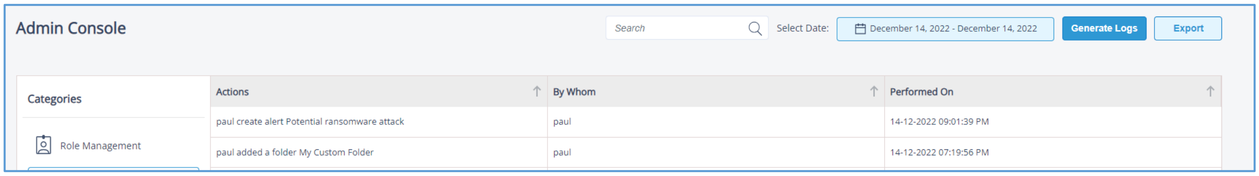


Figure 113: Logs

From here you can:

- Add **Search** criteria and click **Generate Logs** to view logs based on the search text

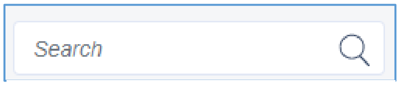


Figure 114: Search Box

- Select **Date** and click **Generate Logs** to view activity for that date/time period

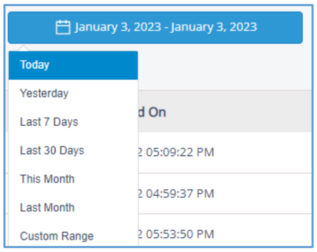


Figure 115: Select Date/Time

- Export the activity logs to **CSV** or **PDF** by clicking the **Export** button

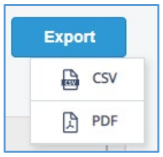


Figure 116: Export Activity Logs

20 How to Change the Date and Time Format

The Date and Time format can be changed from within the Admin Console

- From the Home Screen, click the Settings icon  at the top right of the screen
  The Admin Console will be displayed:

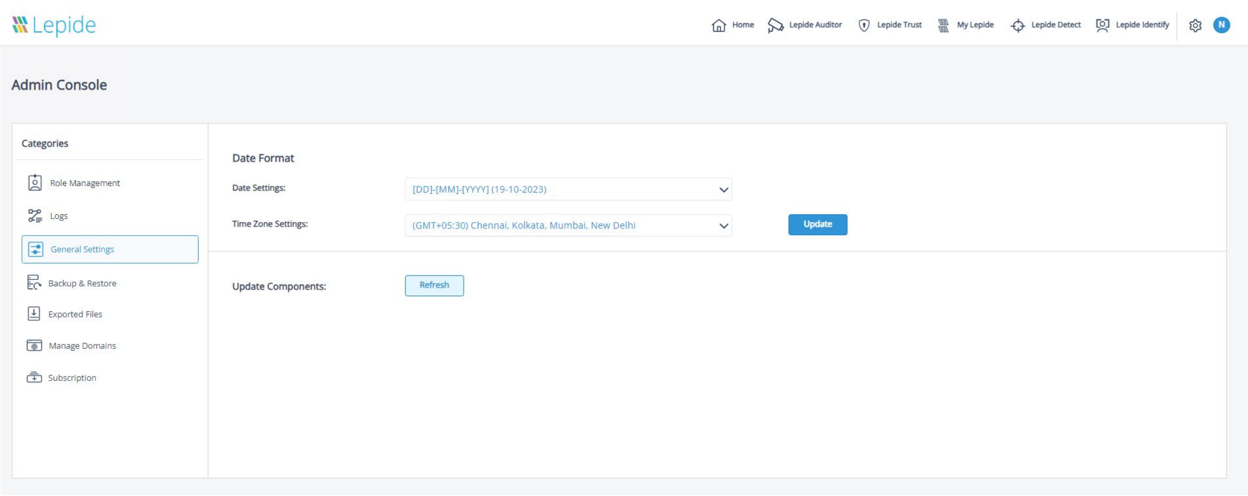


Figure 117: Change Date/Time Format

- Choose **General Settings**
- Click **Date Settings** and choose the date setting required
- Click **Time Zone Settings** and choose the time zone required
- Click **Update** to update these settings
- Choose **Refresh** to Update Components

21 Backup & Restore

- Backup and Restore options can be set within the Admin Console.
- These options allow you to export and import the database which contains all the configuration options you have chosen in the Web Console including custom reports and folders. Examples of where you may want to use the backup and restore feature include:
    - the best practice approach of taking regular backups
    - in the event of wanting to migrate the Web Console to a different server

21.1 To Backup & Restore

- From the Home Screen, click the Settings icon at the top right of the screen
- From the Admin Console Screen, choose **Backup & Restore:**

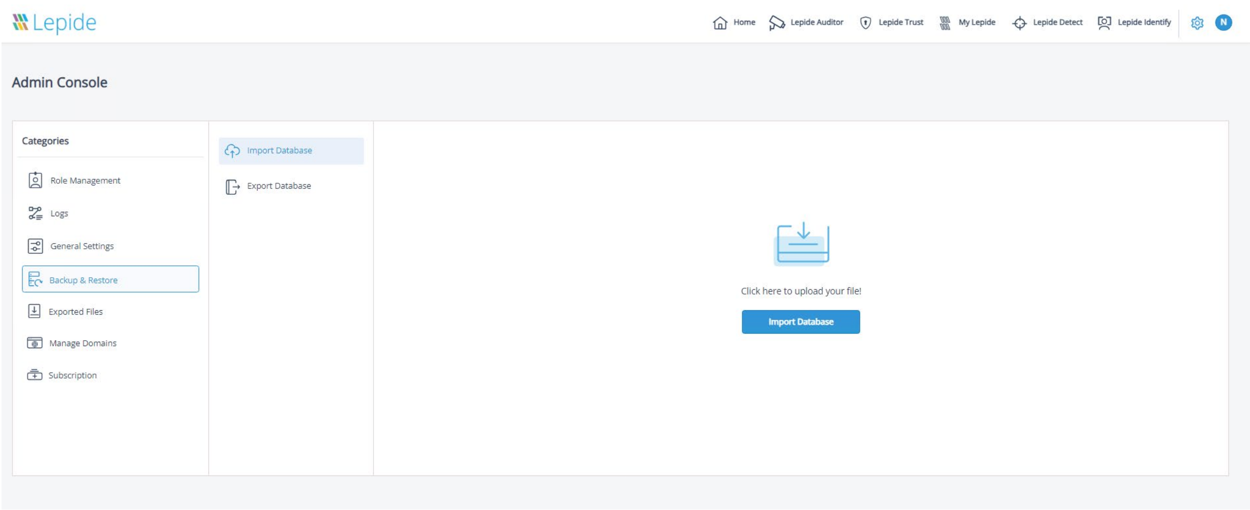


Figure 118: Backup/Restore

To Import the Database:

- Choose **Import Database**
- Click the **Import Database** button
- A list of files in the Download folder appears:

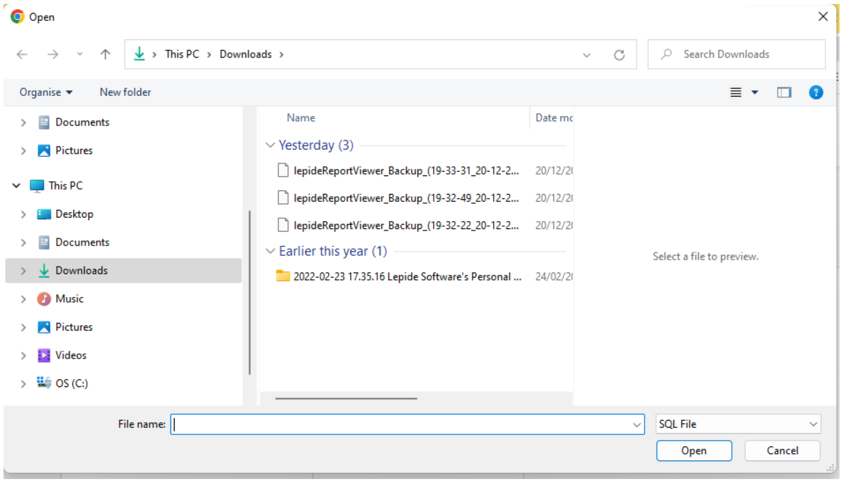


Figure 119: Select Database File to Import

- Select the database file to be imported
- Click **Open**
- A message box appears:

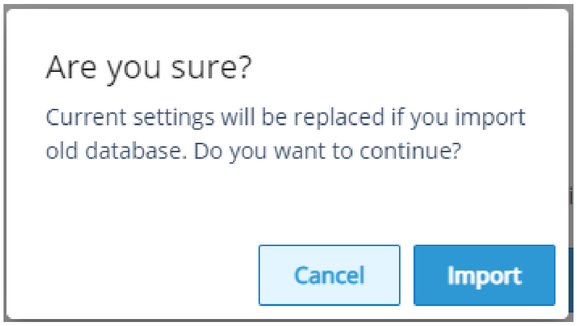


Figure 120: Confirmation to Import Database

- Click **Import** and the following is displayed:

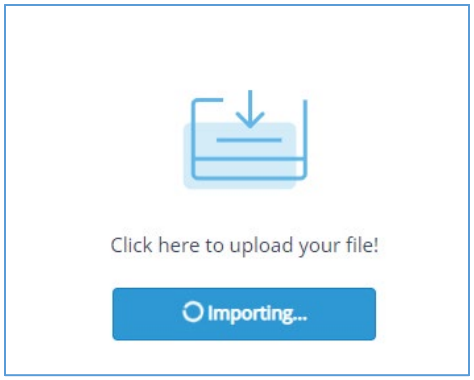


Figure 121: Importing Database

- The import may take some time
- To Export the Database:
- From the Admin Console Screen, select **Export Database:**

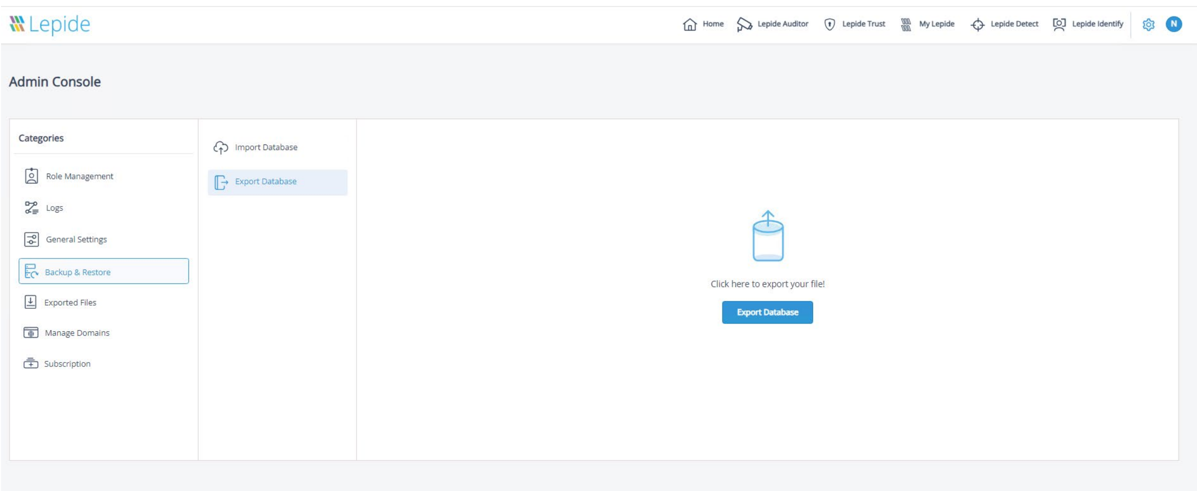


Figure 122: Export Database

- Click the **Export Database** button
- The screen will show **Loading** at the top
- The export may take some time.
- When it is finished you will see an SQL file in your Downloads folder. This will start with 'lepideReportViewer_Backup' and will be an SQL file type.
  For example: lepideReportViewer_Backup_(19-00-02_21-12-2022)
- This file can then be selected when importing the database

22 Manage Domains

The options for managing domains can be set within the Admin Console. New domains can be added here but the default domain cannot be edited or removed.

22.1 Add a Domain

- From the Home Screen, click the Settings icon at the top right of the screen
- From the Admin Console Screen, choose **Manage Domains:**

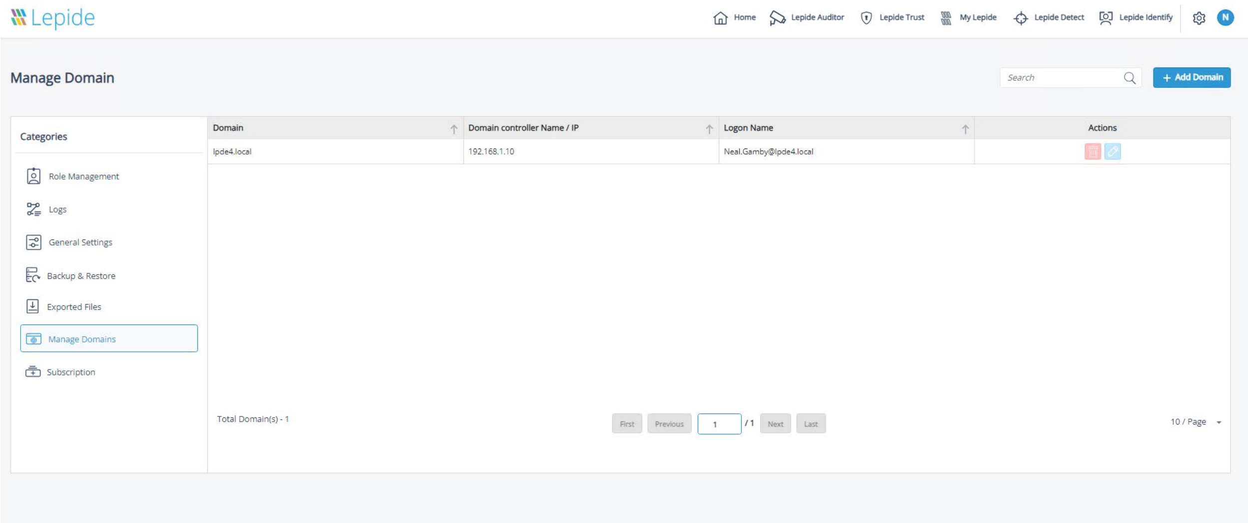


Figure 123: Manage Domains

- Click the **+ Add Domain** button
- The Add Domain dialog box is displayed:

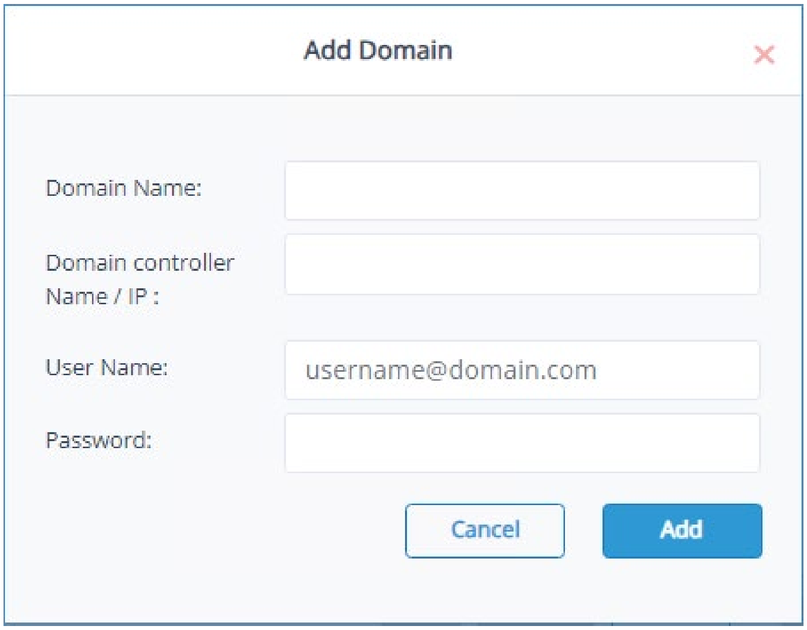


Figure 124: Add Domain

- Enter the details as follows:

  Domain Name: Add the domain name in the format
  Domain controller Name/IP: Add the domain controller name or IP address
  User Name: Add the user name in the format username@domain.com
  Password: Add the domain password

- Click **Add** when finished

The added domain will be listed in the Admin Console:

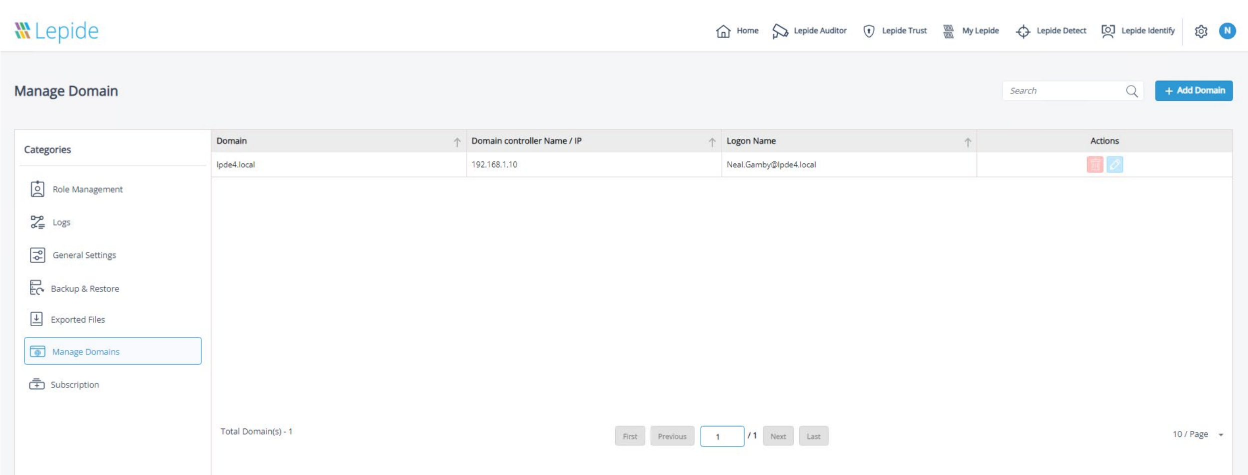


Figure 125: Added Domain

- To delete a domain, click the **Delete** icon
- To edit a domain click the **Edit** icon

23 How to Uninstall the LDSP Web Console

To uninstall the Web Console follow the steps below:

- Go to **Control Panel, All Control Panel Items**, **Programs and Features**
- Right click on the **LDSP Web Console**

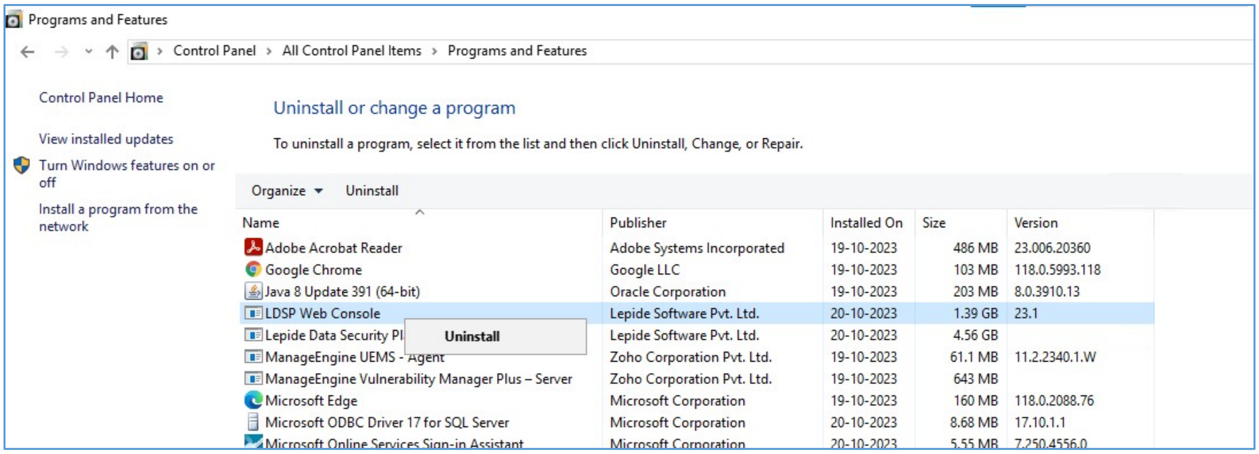


Figure 126: Uninstall the LDSP Web Console

- Select **Uninstall**

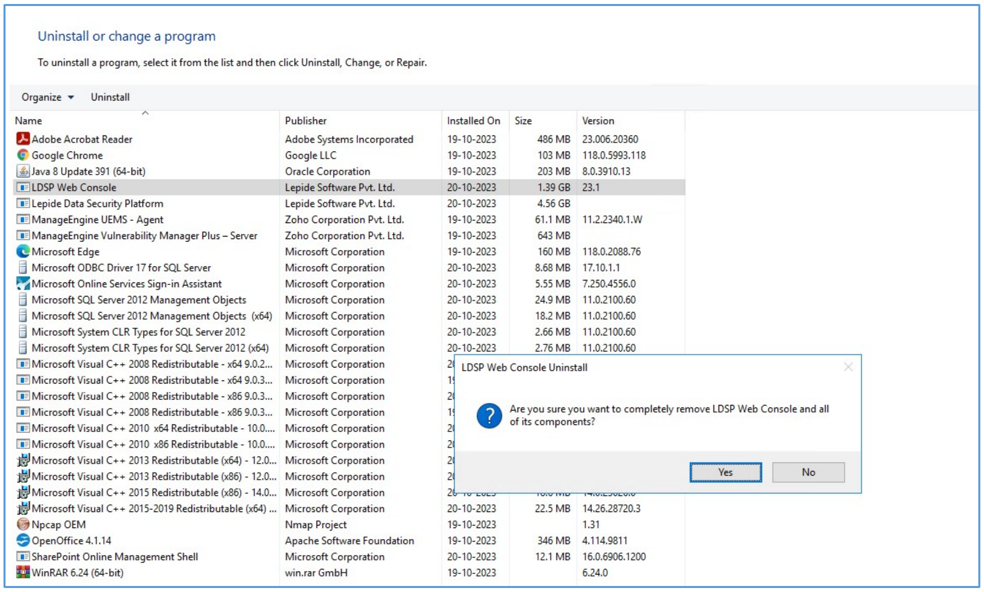


Figure 127: Confirm Uninstallation

A confirmation dialog box will be displayed.

- Select **Yes** to confirm you want to remove the LSP Web Console

The **Uninstall Status** box will be displayed:

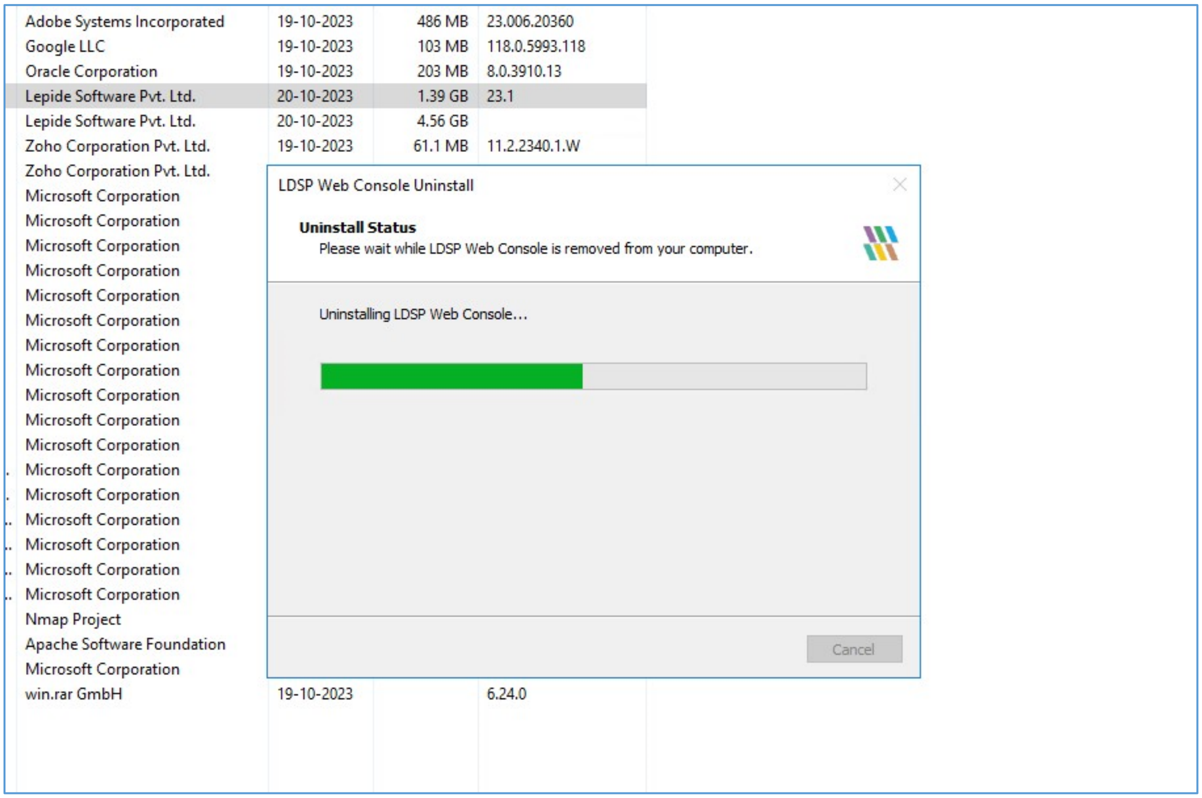


Figure 128: Uninstall Status

- When finished, a message box will be displayed confirming that the uninstall is complete. Any elements which could not be removed can be removed manually.

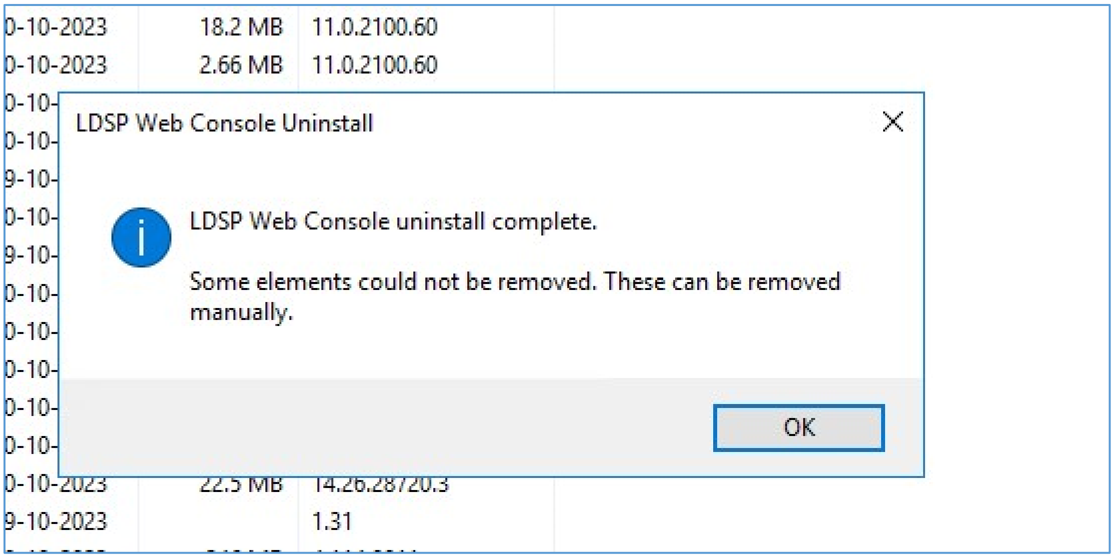


Figure 129: Uninstall Complete

24 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	Technical Gurus
USA/Canada: +1(0)-800-814-0578	USA/Canada: +1(0)-800-814-0578
UK/Europe: +44 (0) -208-099-5403	UK/Europe: +44 (0) -208-099-5403
Rest of the World: +91 (0) -991-004-9028	Rest of the World: +91(0)-991-085-4291

Alternatively, visit https://www.lepide.com/contactus.html 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/.

25 Trademarks

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