



ALIGNMENT GUIDE

ALIGNING LEPIDE FOR

DATA

PROTECTION

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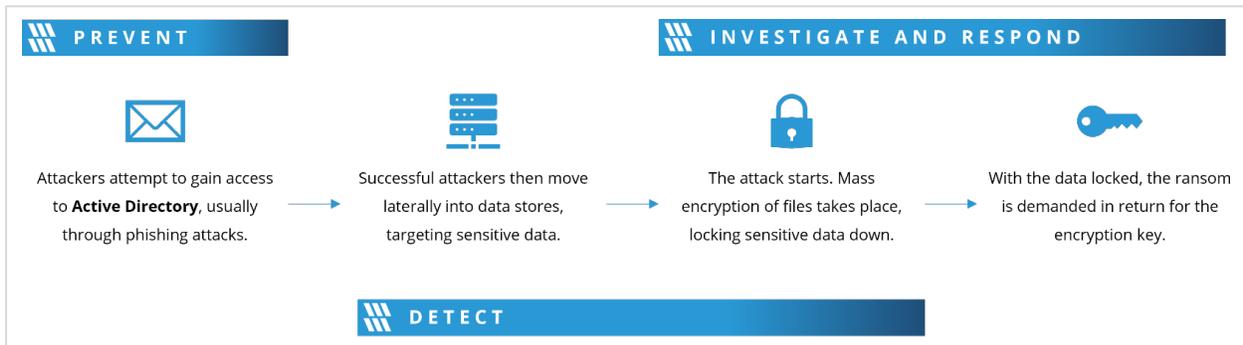
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1. Introduction

Data protection is the process of safeguarding important information from corruption, compromise, or loss. The importance of data protection increases as the amount of data created and stored grows and data growth continues to grow at unprecedented rates. Another key component of data protection is ensuring data is always accessible to those that need it. We provide a huge amount of value for organisations with data protection initiatives by bringing together reports and alerts combining users, data and controls to detect threats and reduce risk. Our approach is unique due to our in-depth knowledge of where most corporate data is currently stored – Windows File Servers, OneDrive, M365 and through our understanding as to how users are gaining access to the data – Active Directory.

2. Aligning Lepide for Data Protection

There are a number of key questions that you need to be able to answer to be able to protect your data, detect, investigate and respond to threats.



In the table below, we align Lepide technology to these questions:

Category	Actions to Take	Technology to implement
Prevent	Spot over exposed sensitive data.	<ul style="list-style-type: none">  Inactive Users Report (Lepide Audit)  Excessive Permissions by User Report (Lepide Trust)  Excessive Permissions by Object Report (Lepide Trust)  Permissions by User Report (Lepide Trust)  Users with Admin Privileges Report (Lepide Trust)  Open Shares Report (Lepide Trust)  Data Classification (Lepide Identify)  Increased Threat Surface Area Threat Model (Lepide Detect)  Permissions Escalation Threat Model (Groups) (Lepide Detect)  Permissions Escalation Threat Model (File) (Lepide Detect)  Permissions Escalation Threat Model (Folder) (Lepide Detect)  Permissions Remediation (Lepide Protect)  Remove Inactive Users (Lepide Protect)
	Identify what data you need to protect first and why.	<ul style="list-style-type: none">  Data Classification (Lepide Identify)  Classified Files Reports (Lepide Identify)

		<ul style="list-style-type: none">  Classified Emails Reports (Lepide Identify)  Classified SharePoint Objects Reports (Lepide Identify)  Classified OneDrive Objects Reports (Lepide Identify)  Classified Dropbox Objects Reports (Lepide Identify)  Open Shares Report (Lepide Trust)
	<p>Prevent threats by limiting access to data.</p>	<ul style="list-style-type: none">  Users with Admin Privileges Report (Lepide Trust)  Permissions by User Report (Lepide Trust)  Inactive Users Report (Lepide Audit)  Excessive Permissions by User Report (Lepide Trust)  Permissions Escalation Threat Model (Lepide Detect)  Data Classification (Lepide Identify)  Permissions Remediation (Lepide Protect)  Remove Inactive Users (Lepide Protect)
<p>Detect</p>	<p>Detect compromised data</p>	<ul style="list-style-type: none">  All Modifications in File Server Report (Lepide Audit)  Anomaly Spotting (Lepide Detect)  Any Threat Model Triggered (Lepide Detect)  External Data Sharing O365 Report (Lepide Audit)

		<ul style="list-style-type: none">  All SharePoint Modifications Report (Lepide Audit)  SharePoint Online Modification Report (Lepide Audit)  Active Directory Permissions Modifications Report (Lepide Audit)  All Exchange Server Permissions Modifications Report (Lepide Audit)  All SharePoint Online Permissions Modifications Report (Lepide Audit)  All SharePoint Permission Reports (Lepide Audit)  Mailbox Accessed by Non-owners Report (Lepide Audit)
Investigate	Identify what sensitive data that was affected by an incident or a breach	<ul style="list-style-type: none">  All Modifications in File Server Report (Lepide Audit)  Files Renamed Report (Lepide Audit)  Read Failed Report (Lepide Audit)  All Environment Changes Report (Lepide Audit)  Sensitive Data Classification Report (Lepide Identify)
Respond	Detect and respond to incidents that may lead to the compromise or loss of data	<ul style="list-style-type: none">  Any Threat Model Triggered (Lepide Detect)

3. Lepide Core Capabilities

3.1. - Lepide Identify

Automatically scan, discover and classify data at the point of creation to help you stay on top of where your sensitive data is located. Remove false positives with proximity scanning technology. This helps to improve the accuracy even further than most classification solutions. Categorize and score data based on compliance, risk, occurrence, monetary value, and more to stay on top of your most sensitive data.

Report
 Report Name - Classified Files
 Filters : Server Name : [Equals[All]]
 Home / Lepide Auditor / Reports / File Server / Classified Files

Generate Report Export

File Server	File Path	Content Type(s)	Compliance	Count	Risk Level	Monetary Value		
DCD01	C:\Company Share\Financial ServicesF...	Credit Card - Amex Card	Payment Card Industry Data Secur...	1	1	\$ 1	No	16
DCD01	C:\Company Share\Financial ServicesF...	Credit Card - Amex Card	Payment Card Industry Data Secur...	1	1	\$ 1	No	16
DCD01	C:\Company Share\Financial ServicesF...	Credit Card - Diners Club	Payment Card Industry Data Secur...	7	7	\$ 7	No	16
DCD01	C:\Company Share\Financial ServicesF...	Credit Card - Discover	Payment Card Industry Data Secur...	1	1	\$ 1	No	16
DCD01	C:\Company Share\Financial ServicesF...	Credit Card - Amex Card	Payment Card Industry Data Secur...	190	190	\$ 190	No	16
DCD01	C:\Company Share\Financial ServicesF...	Credit Card - Amex Card	Payment Card Industry Data Secur...	5	5	\$ 5	No	16
DCD01	C:\Company Share\Financial ServicesF...	UK Postal Code	UK - GDPR	17	17	\$ 17	No	16
DCD01	C:\Company Share\Financial ServicesF...	Credit Card - Master	Payment Card Industry Data Secur...	2	2	\$ 2	No	16
DCD01	C:\Company Share\Financial ServicesF...	Credit Card - Master	Payment Card Industry Data Secur...	2	2	\$ 2	No	16

Total Reports : 50

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In Summary:

- Discover and classify data in real Tag data.
- Data valuation.
- Identify data most at risk.

For More Information:

<https://www.lepide.com/lepide-identify/>

3.2. - Lepide Trust

Report on who has access to your most sensitive data and how they were granted that access. Specific reports for users with excessive permissions enable you to spot which users are most likely to be insider threats. Maintain your zero-trust policy by spotting when permissions change and reversing them.

Report
 Report Name - Excessive Permissions by User
 Filters : Component Name : [Equals (All)] AND Days : [Equals (90)]
 Home / Lepide Trust / Reports / Excessive Permissions by User

Generate Report Export

Server Name	Object Name	Path	Owner	Last Scan	Last Modified														
DCD01	All Services	C:\All Services	Ipde4\Kelly.Maxwell	6/6/2023 4:33:55 PM	5/25/2023 3:12:46 PM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DCD01	Budget Forecast	C:\Budget Forecast	Ipde4\Roy.Petty	6/7/2023 3:55:35 PM	3/15/2023 5:04:39 AM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DCD01	Company Share	C:\Company Share	Ipde4\Administrator	6/7/2023 3:55:35 PM	5/11/2023 3:48:07 AM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DCD01	Confidential files	C:\Confidential files	Ipde4\Roy.Petty	6/6/2023 4:33:55 PM	5/25/2023 3:12:28 PM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DCD01	Employee's Account...	C:\Employee's Account details	Ipde4\Marty.Byrde	6/6/2023 4:33:55 PM	5/25/2023 3:12:41 PM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DCD01	Foreign designs	C:\Foreign designs	Ipde4\Marty.Byrde	6/6/2023 4:33:55 PM	5/25/2023 3:12:37 PM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DCD01	Module Analysis Da...	C:\Module Analysis Data	Ipde4\Ethan.Hunt	6/6/2023 4:33:55 PM	5/25/2023 3:12:10 PM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DCD01	Project Details	C:\Project Details	Ipde4\Ethan.Hunt	6/6/2023 4:33:55 PM	5/25/2023 3:12:25 PM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Name	Content Type	Compliance	Monetary Value	Risk Level														

In Summary:

- Analyse permissions.
- Identify over privileged employees (least privilege).
- View historic permissions.
- Track permission changes.

For More Information:

<https://www.lepide.com/lepide-trust/>

3.3. - Lepide Audit

Audit, report and alert on changes being made to sensitive data and your hybrid environment. Roll back unwanted changes and restore deleted objects to maintain system integrity. Track any changes and modifications users are making to critical files and folders.

Report

Report Name - All Environment Changes

Filters : Component Name : [Equals [Active Directory,File Server,Exchange Online]]

Home / Lepide Auditor / Reports / All Environment Changes

Oct 1, 2024 - Oct 1, 2024

Generate Report Export

Component Name	Server Name	Object Path	Object Type	Who	When	Operation	Content Type	Compliance	Risk Level	Monetary Value	What	Where	Criticality
Active Directory	lpde4.local	N/A	User	Neal Gamby	01-10-2024 08:58:2...	Login Attempt Failed	N/A	N/A	N/A	N/A	user name does no...	B_508	High
Active Directory	lpde4.local	N/A	User	Neal Gamby	01-10-2024 08:58:2...	Login Attempt Failed	N/A	N/A	N/A	N/A	user name does no...	B_508	High
Active Directory	lpde4.local	N/A	User	Neal Gamby	01-10-2024 08:58:2...	Login Attempt Failed	N/A	N/A	N/A	N/A	user name does no...	B_508	High
Active Directory	lpde4.local	N/A	User	Neal Gamby	01-10-2024 08:58:1...	Login Attempt Failed	N/A	N/A	N/A	N/A	user name does no...	B_508	High
Active Directory	lpde4.local	N/A	User	Neal Gamby	01-10-2024 08:58:1...	Login Attempt Failed	N/A	N/A	N/A	N/A	user name does no...	B_508	High
Active Directory	lpde4.local	N/A	User	Neal Gamby	01-10-2024 08:58:0...	Login Attempt Failed	N/A	N/A	N/A	N/A	user name does no...	B_508	High
Active Directory	lpde4.local	N/A	User	Neal Gamby	01-10-2024 08:58:0...	Login Attempt Failed	N/A	N/A	N/A	N/A	user name does no...	B_508	High
Active Directory	lpde4.local	N/A	User	Neal Gamby	01-10-2024 08:58:0...	Login Attempt Failed	N/A	N/A	N/A	N/A	user name does no...	B_508	High
Active Directory	lpde4.local	N/A	User	Neal Gamby	01-10-2024 08:57:5...	Login Attempt Failed	N/A	N/A	N/A	N/A	user name does no...	B_508	High
Active Directory	lpde4.local	N/A	User	Neal Gamby	01-10-2024 08:57:5...	Login Attempt Failed	N/A	N/A	N/A	N/A	user name does no...	B_508	High

Total Records - 8974

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In Summary:

- View interactions with data.
- View interactions with systems governing access to data.
- Employee audit logs.
- Investigate incidents and breach scenarios.

For More Information:

<https://www.lepide.com/lepideauditor/>

3.4. - Lepide Detect

Machine Learning backed anomaly spotting technology will allow you to determine when one of your users becomes an insider threat. Hundreds of threat models, tailored to specific data security threats, generate real time alerts when the security of your data is in jeopardy. Automated threat responses can be triggered to perform threat mitigations, such as shutting down an affected computer or server.

Report
 Report Name - Failed Logon
 Filters : Server Name : [Equal][All]

Home / Lepide Auditor / Reports / Active Directory / Failed Logon

Mar 26, 2024 - Mar 26, 2024 Generate Report Export

Server Name	Who	When	Where	Reason
lpde4.local	neal.gamby@lpde4.local	19-04-2024 6.10	DMD01	user name does not exist
lpde4.local	neal.gamby@lpde4.local	19-04-2024 6.10	DMD01	user name does not exist
lpde4.local	kelly.maxwell@lpde4.local	16-04-2024 22.20	DMD01	expired password
lpde4.local	kelly.maxwell	16-04-2024 22.20	DMD01	expired password
lpde4.local	kelly.maxwell	16-04-2024 22.20	DMD01	expired password
lpde4.local	kelly.maxwell	16-04-2024 22.20	DMD01	expired password
lpde4.local	kelly.maxwell	16-04-2024 22.20	DMD01	expired password
lpde4.local	LPDE4Kelly.Maxwell	15-04-2024 23.55	192.168.1.15	The user's password has expired.
lpde4.local	LPDE4Kelly.Maxwell	15-04-2024 23.55	192.168.1.15	The user's password has expired.

Total Reports : 50 First Previous 1 / 1 Next Last 50 / page

In Summary:

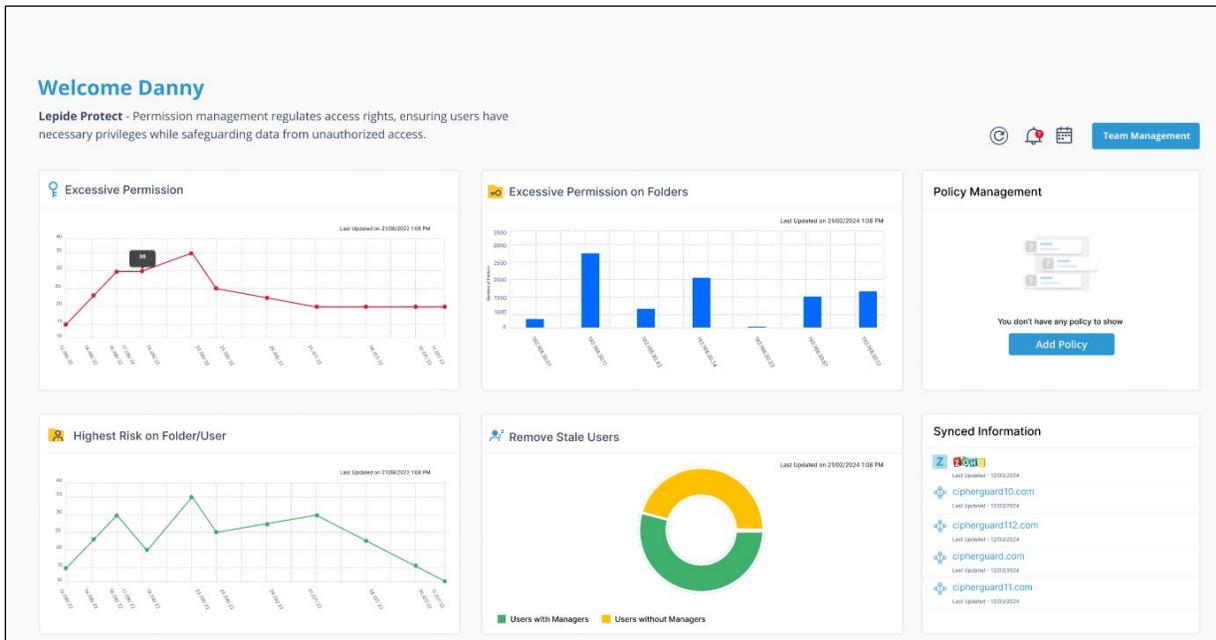
- Detect threats in real time with pre-defined threat models.
- Baseline/profile employee behavior.
- Identify anomalous employee behavior.
- Alert and respond to threats in real time.

For More Information:

<https://www.lepide.com/lepide-detect/>

3.5. - Lepide Protect

Reduce the complexity of managing user permissions. The permissions management system within Lepide Protect provides a straightforward and efficient way to manage permissions over all shared locations. It provides clear visibility as to who has access to what, including identifying excessive permissions. Once identified, excessive permissions can be revoked, and inactive users removed; permissions policies can be used to do this automatically.



In Summary:

- Identify and revoke excessive permissions.
- Remove inactive users to reduce your threat surface.
- Delegate permissions management to team leaders.
- Use policy management to automatically revoke permissions.

For More Information:

<https://www.lepide.com/lepide-protect/>

4. Support

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

Product Experts

USA/Canada: +1(0)-800-814-0578

UK/Europe: +44 (0) -208-099-5403

Rest of the World: +91 (0) -991-004-9028

Technical Gurus

USA/Canada: +1(0)-800-814-0578

UK/Europe: +44 (0) -208-099-5403

Rest of the World: +91(0)-991-085-4291

Alternatively, visit <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/>.

5. Trademarks

Lepide Data Security Platform, Lepide Data Security Platform App, Lepide Data Security Platform App Server, Lepide Data Security Platform (Web Console), Lepide Data Security Platform Logon/Logoff Audit Module, Lepide Data Security Platform for Active Directory, Lepide Data Security Platform for Group Policy Object, Lepide Data Security Platform for Exchange Server, Lepide Data Security Platform for SQL Server, Lepide Data Security Platform SharePoint, Lepide Object Restore Wizard, Lepide Active Directory Cleaner, Lepide User Password Expiration Reminder, and LiveFeed are registered trademarks of Lepide Software Pvt Ltd.

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