Lepide

How to install the Lepide Data Security Platform.

configuration guide.

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1 Introduction

The Lepide Data Security Platform provides a comprehensive way to provide visibility across Active Directory, Group Policy, Exchange on-premises, M365, SharePoint, SQL Server, Windows File Server, NetApp Filer, Dell EMC Isilon, Nasuni, Nutanix and every platform which can provide an integration with Syslogs and RestAPI.

This guide takes you through the requirements and pre-requisites for installing the Lepide Solution and then the installation process itself. Section 3 then explains the pre-requisites and installation process for the Lepide Web Console. Section 4 provides links to User Guides which explain how to add the different components and Section 5 explains how to configure the Lepide Solution for Least Privilege.

If you have any questions at any point in the process, you can contact our Support Team. The contact details are listed at the end of this document.

2 Installing the Lepide Data Security Platform

2.1 Requirements and Prerequisites

Before you start installing the Lepide Data Security Platform, you need to ensure that your computer meets the following requirements:

2.1.1 System Requirements

- Required Processor
    - Minimum quad-core processor and recommended 8 core
    - Recommended quad-core processor
- Required RAM
    - Minimum RAM 16 GB
    - Recommended RAM 32 GB
- Required free disk space
    - Minimum 2 GB
    - Recommended 4 GB
- Network Bandwidth Recommendations:
    - We recommend the use of Giga switches and a Giga Lan adapter on your local network (on-premise) and you should have a Giga network plan supported on Azure as well. The internet speed is also recommended to be in Giga (the more the better).
    - The network speed between on-premise machines and Azure virtual machines should be similar to what we normally have when transferring data between two machines within a local network.

- Any of the following 32 bit or 64 bit Windows Operating Systems:
  - Windows Server OS: 2016, 2019 and 2022 (latest)
- Any of the following SQL Servers (local or network hosted) for storing auditing logs:
  - Any SQL Server above and including SQL Server 2016 (standard or enterprise) as per current support from Microsoft
- .NET Framework 4.6.2 developer pack and above

2.1.2 Supported Servers for Auditing Active Directory and Group Policy

- Supported Versions: All Windows Servers above Windows Server 2016

2.1.3 Prerequisites for Health Monitoring

- WMI Services should be up and running.

2.1.4 Prerequisites for the Web Console

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.

- PowerShell version 7.4 or above should be installed
- Supported Web Browsers:

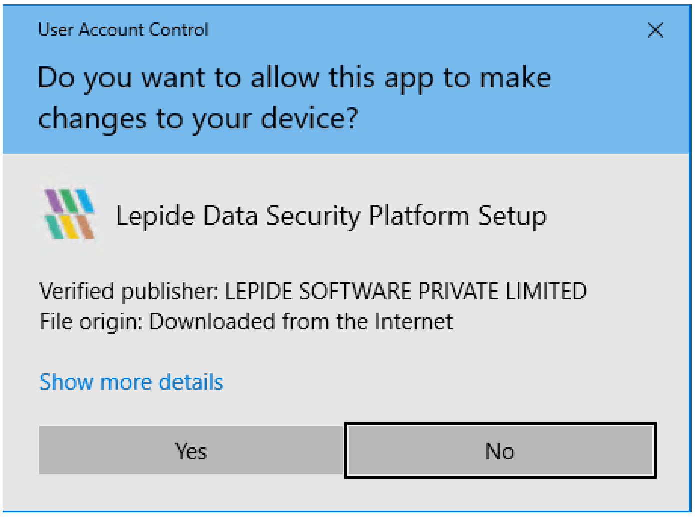
  The LDSP Web Console can run in any of the following web browsers:
  - Google Chrome (latest publicly released version)
  - Microsoft Edge (latest publicly released version)
  - Mozilla Firefox (latest publicly released version)
  - Safari (latest publicly released version)

NOTE: Internet Explorer is no longer supported

2.2 How to Install the Lepide Data Security Platform

- Run the setup file **setup_24_4.exe** from the LDSP Setup folder to start the installation

  The User Account Control dialog box will be displayed:



User Account Control

Do you want to allow this app to make changes to your device?

Lepide Data Security Platform Setup

Verified publisher: LEPIDE SOFTWARE PRIVATE LIMITED

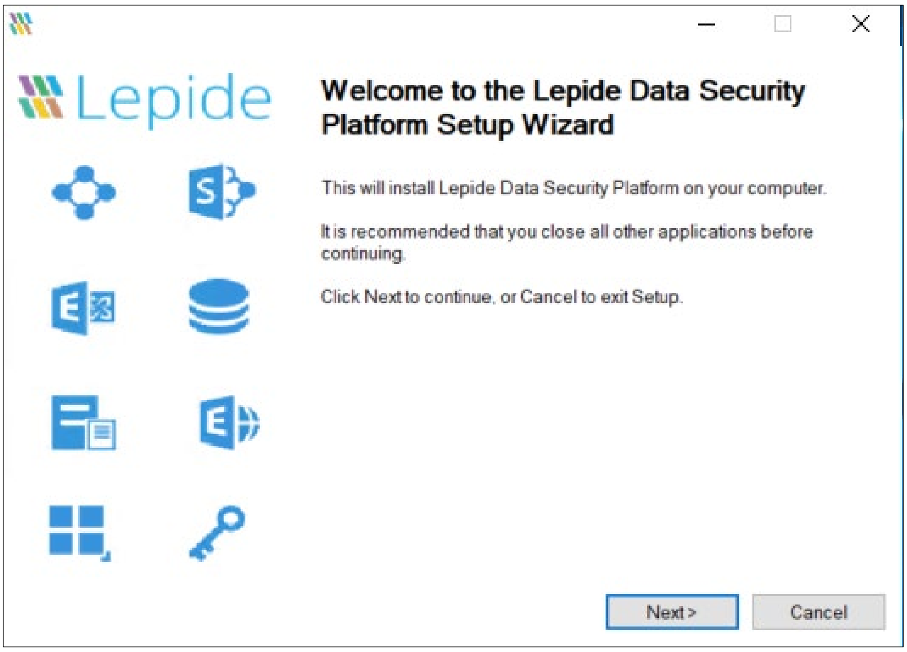
File origin: Downloaded from the Internet

Figure 1: User Account Control

- Select **Yes** to proceed with the installation

  The installation steps are listed below:

- From the Welcome Screen, click **Next** to install the Lepide Data Security Platform



Welcome to the Lepide Data Security Platform Setup Wizard

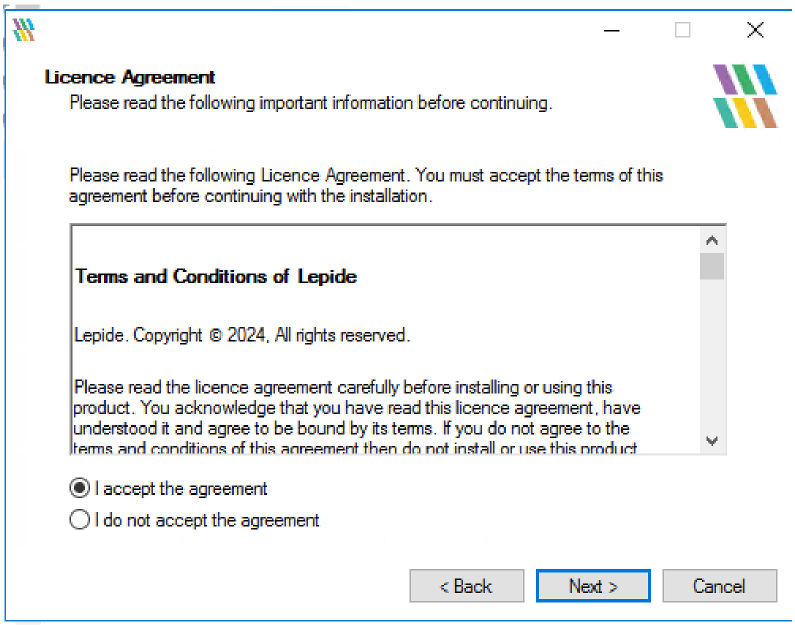
This will install Lepide Data Security Platform on your computer.

It is recommended that you close all other applications before continuing.

Click Next to continue, or Cancel to exit Setup.

Figure 2: The Welcome Screen

- Choose **I accept the agreement** and click **Next**



Licence Agreement

Please read the following important information before continuing.

Please read the following Licence Agreement. You must accept the terms of this agreement before continuing with the installation.

Terms and Conditions of Lepide

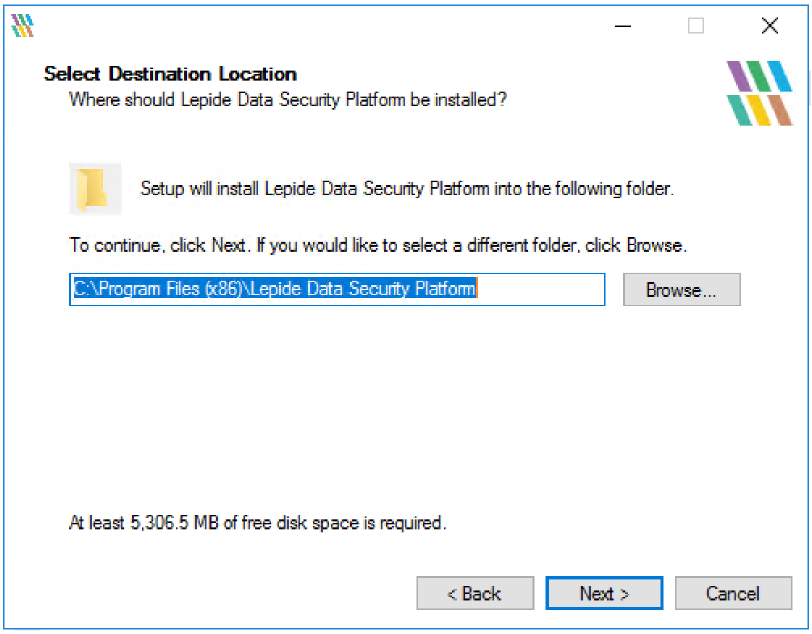
Lepide. Copyright © 2024, All rights reserved.

Please read the licence agreement carefully before installing or using this product. You acknowledge that you have read this licence agreement, have understood it and agree to be bound by its terms. If you do not agree to the terms and conditions of this agreement then do not install or use this product

● I accept the agreement
○ I do not accept the agreement

Figure 3: Accept the Licence Agreement

- Click **Next** to continue the installation into the suggested folder
- Click **Browse** and select the location path if you would like to select a different folder. Click **Next** to continue



Select Destination Location

Where should Lepide Data Security Platform be installed?

Setup will install Lepide Data Security Platform into the following folder.

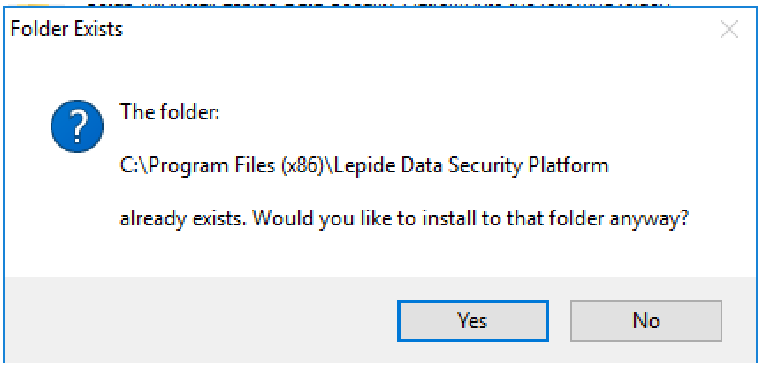
To continue, click Next. If you would like to select a different folder, click Browse.

C:\Program Files (x86)\Lepide Data Security Platform

At least 5,306.5 MB of free disk space is required.

Figure 4: Select Destination Location

- If the Folder Already Exists it will ask for confirmation Click **Yes** to continue



Folder Exists

The folder:

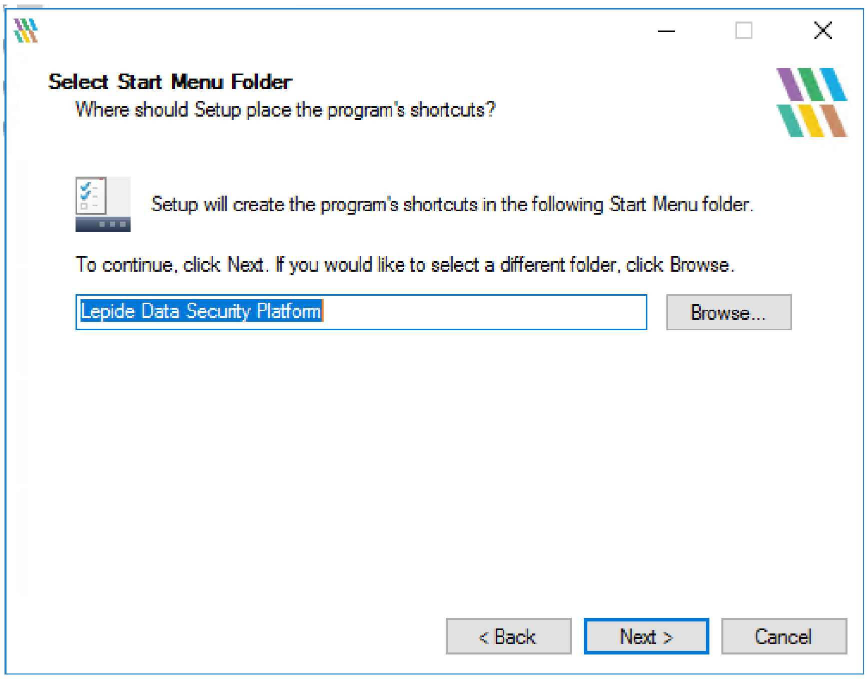
C:\Program Files (x86)\Lepide Data Security Platform

already exists. Would you like to install to that folder anyway?

Figure 5: Confirmation Required if Folder Exists

Select Start Menu Folder:

- Click **Next** to continue with the suggested folder
- Click **Browse** and select the location path if you would like to select a different folder. Click **Next** to continue



Select Start Menu Folder

Where should Setup place the program's shortcuts?

Setup will create the program's shortcuts in the following Start Menu folder.

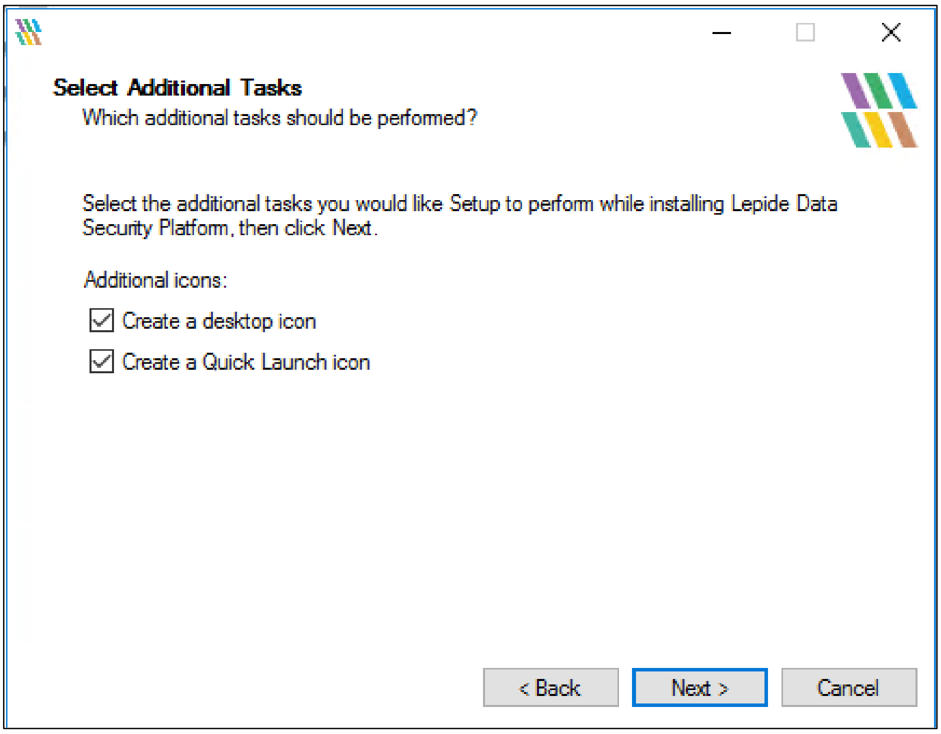
To continue, click Next. If you would like to select a different folder, click Browse.

Lepide Data Security Platform

Figure 6: Select Start Menu Folder

Select Additional Tasks:

- Check the box to Create a desktop icon during installation if required
- Check the box to Create a Quick Launch icon during installation if required
- Click **Next** to continue



Select Additional Tasks

Which additional tasks should be performed?

Select the additional tasks you would like Setup to perform while installing Lepide Data Security Platform, then click Next.

Additional icons:

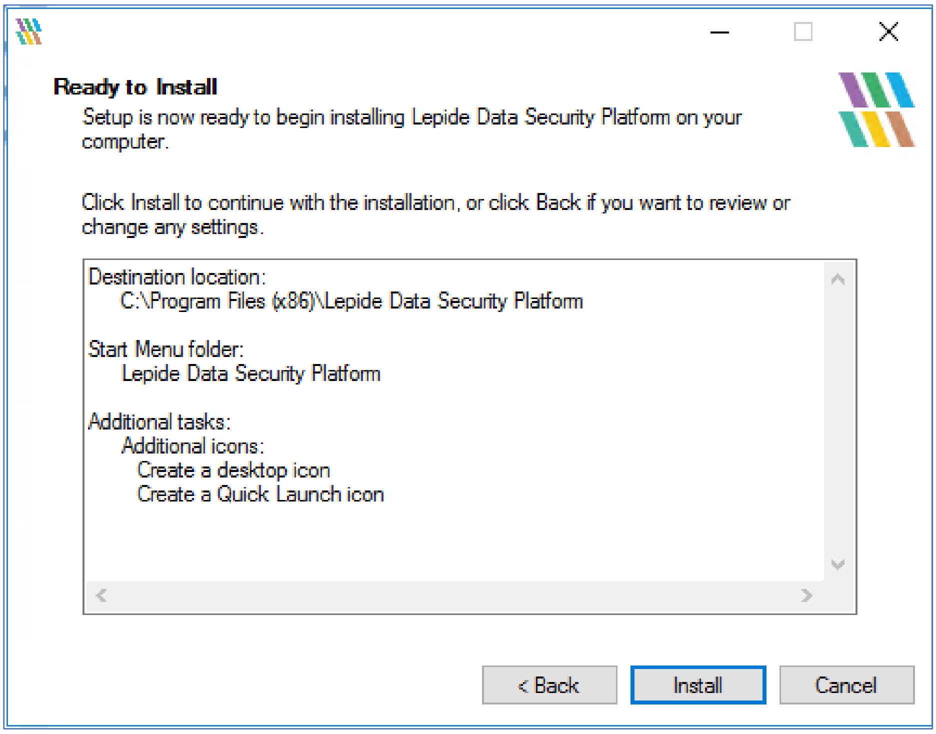
☑ Create a desktop icon

☑ Create a Quick Launch icon

Figure 7: Select Additional Tasks

Ready to Install:

- Click **Install** to continue with installing the Solution or click **Back** to review or change your settings



Ready to Install

Setup is now ready to begin installing Lepide Data Security Platform on your computer.

Click Install to continue with the installation, or click Back if you want to review or change any settings.

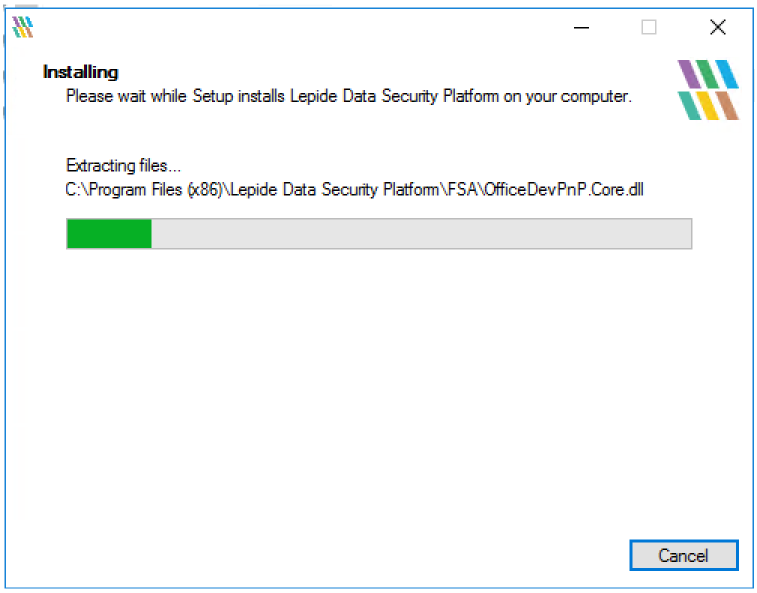
Destination location:
    C:\Program Files (x86)\Lepide Data Security Platform

Start Menu folder:
    Lepide Data Security Platform

Additional tasks:
    Additional icons:
        Create a desktop icon
        Create a Quick Launch icon

Figure 8: Ready to Install

- Installation will start. Wait until the installation Process is complete



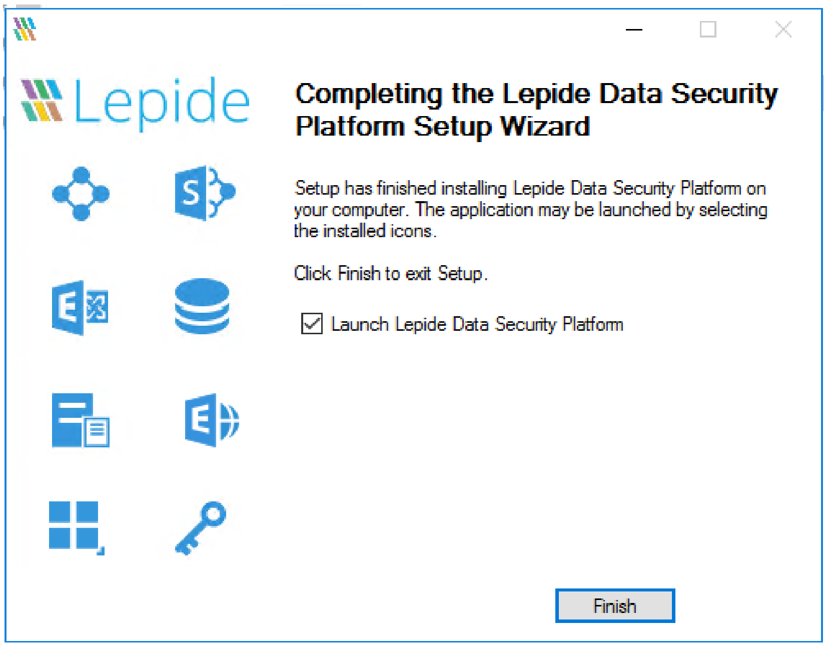
Installing

Please wait while Setup installs Lepide Data Security Platform on your computer.

Extracting files...
C:\Program Files (x86)\Lepide Data Security Platform\FSA\OfficeDevPnP.Core.dll

Figure 9: Installation

- When the installation process is complete, a message for successful installation appears in the wizard:



Completing the Lepide Data Security Platform Setup Wizard

Setup has finished installing Lepide Data Security Platform on your computer. The application may be launched by selecting the installed icons.

Click Finish to exit Setup.

☑ Launch Lepide Data Security Platform

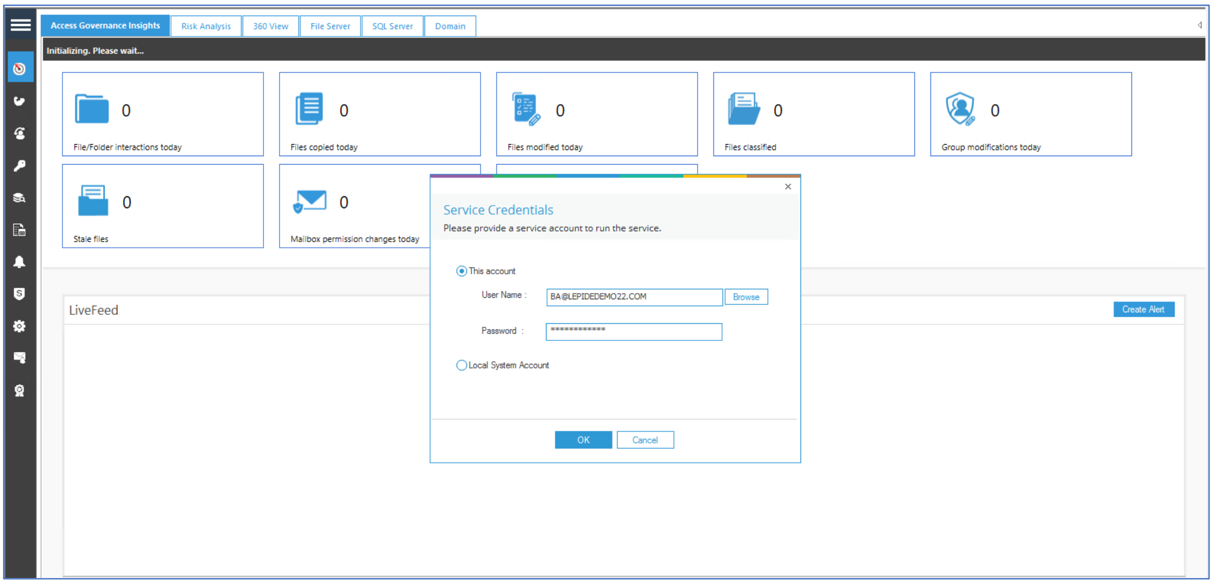
Figure 10: Installation Successful

- Click **Finish** to complete the process
- If you have checked the **Launch Lepide Data Security Platform** box, it will close the installation wizard and launch the Solution

Lepide
Data Security Platform
Loading please wait...

Figure 11: Launch of the Lepide Data Security Platform

- The Welcome Screen appears once the solution is launched for the first time with the Credentials dialog box displayed:


Access Governance Insights
Risk Analysis
360 View
File Server
SQL Server
Domain
0
File/Folder interactions today
Files copied today
Files modified today
Files classified
Group modifications today
Stale files
Mailbox permission changes today
LiveFeed
Create Alert
Browse
OK
Cancel

Initializing. Please wait...

Service Credentials

Please provide a service account to run the service.

● This account

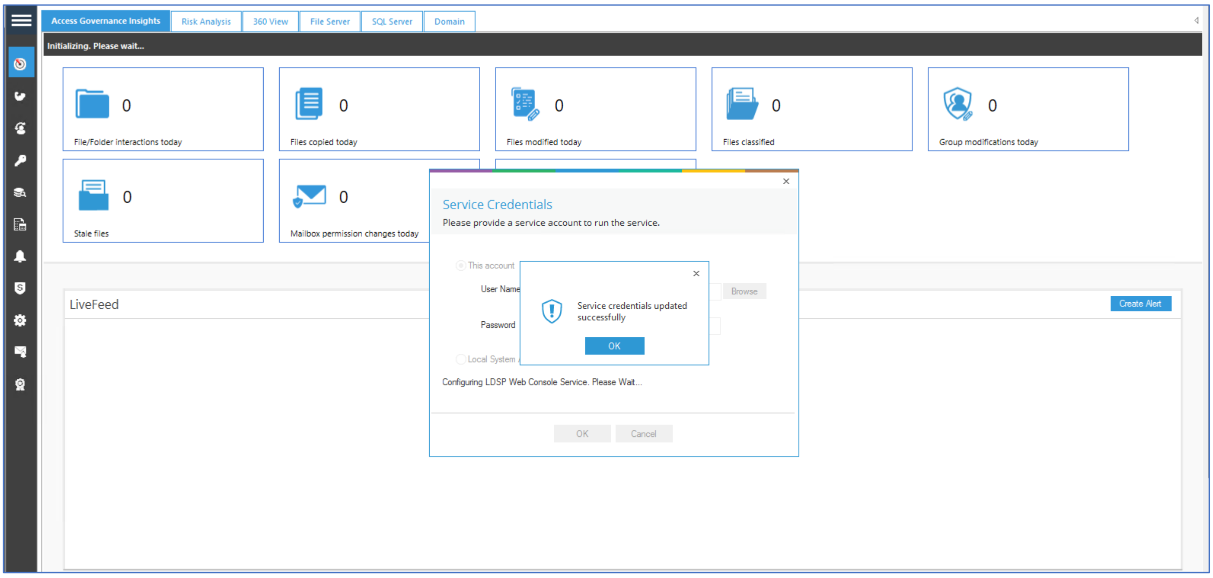
User Name : BA@LEPIDEDEMO22.COM

Password : ************

○ Local System Account

Figure 12: Service Credentials

- The Service Credentials need to be configured and this needs to be with an Administrator account. This setting only appears on the Welcome Screen when you are running the solution for the first time
- To select the User Name, click **Browse** and select the user account from your Active Directory
- Enter the Password and click **OK** to configure the Service Account
- A message will be displayed saying that service credentials have been updated successfully:


Access Governance Insights
Risk Analysis
360 View
File Server
SQL Server
Domain
0
File/Folder interactions today
Files copied today
Files modified today
Files classified
Group modifications today
Stale files
Mailbox permission changes today
LiveFeed
Create Alert
This account
User Name
Password
Local System
Browse
OK
OK
Cancel

Initializing. Please wait...

Service Credentials

Please provide a service account to run the service.

Service credentials updated successfully

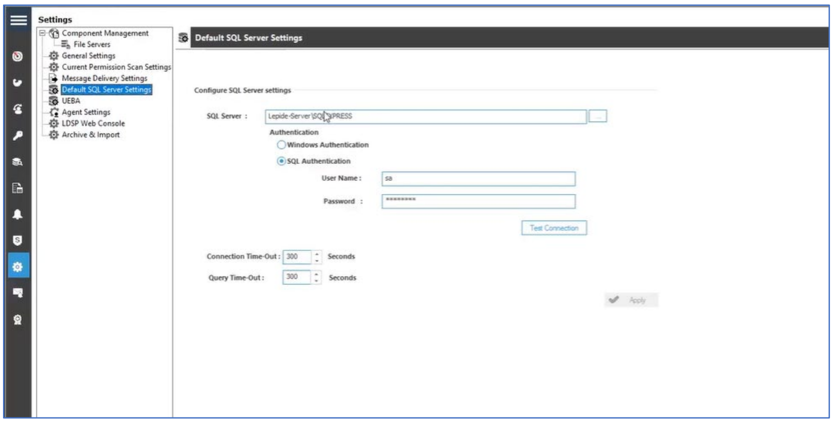
Configuring LDSP Web Console Service. Please Wait...

Figure 13: Successful Update of Service Credentials

- Click **OK**

2.2.1 SQL Server Settings

- From the settings options, select default SQL Server settings
- The Default SQL Server Settings window is displayed:


Settings
Component Management
File Servers
General Settings
Current Permission Scan Settings
Message Delivery Settings
Default SQL Server Settings
UEBA
Agent Settings
LDSP Web Console
Archive & Import
Default SQL Server Settings
...
Test Connection
Apply

Configure SQL Server settings

SQL Server : Lepide-Server\SQLEXPRESS

Authentication

○ Windows Authentication

● SQL Authentication

User Name : sa

Password : ********

Connection Time-Out : 300 Seconds

Query Time-Out : 300 Seconds

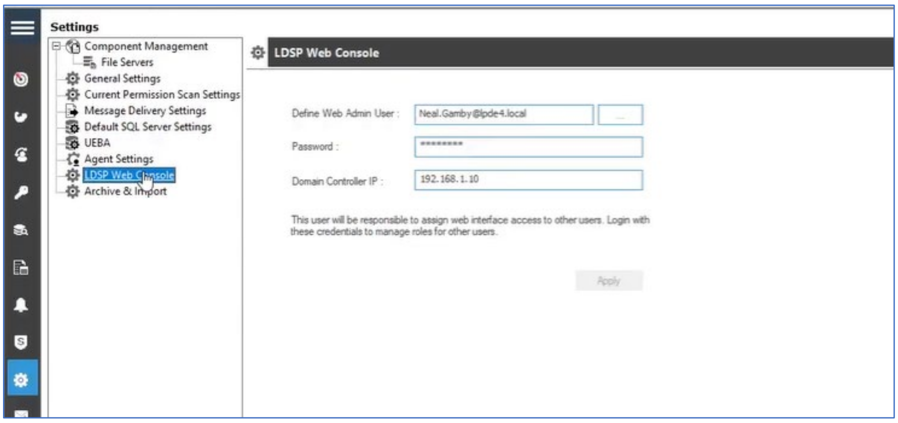
Figure 14: Default SQL Server Settings

Enter your SQL Server settings:

- SQL Authentication is the recommended option
- Add the User Name and Password and click **Test Connection**

2.2.2 Configure the Web Console

- From the settings options, select **LDSP Web Console**
- The LDSP Web Console window is displayed:


Settings
Component Management
File Servers
General Settings
Current Permission Scan Settings
Message Delivery Settings
Default SQL Server Settings
UEBA
Agent Settings
LDSP Web Console
Archive & Import
LDSP Web Console
...
Apply

Define Web Admin User : Neal.Gamby@lpde4.local

Password : ********

Domain Controller IP : 192.168.1.10

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

Figure 15: LDSP Web Console

- Add the **Web Admin User name**, **Password** and **Domain Controller IP**
- Click **Apply**
- Sign into the Lepide Web Console to check that the account has been configured correctly

2.2.3 Add Group Policy Management

If an Active Directory component is to be installed, you will need to add Group Policy Management to your server:

- From Server Manager select **Add roles and features**

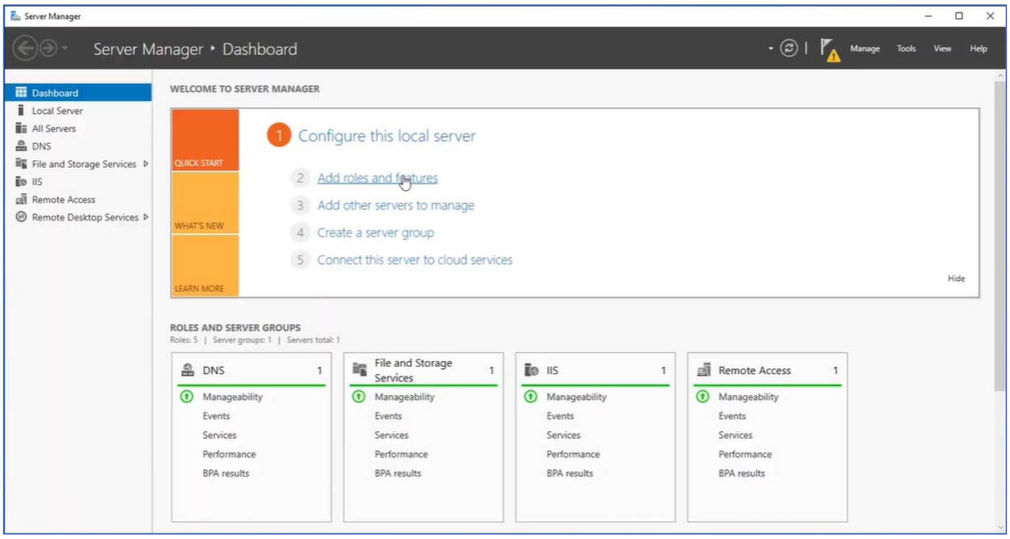
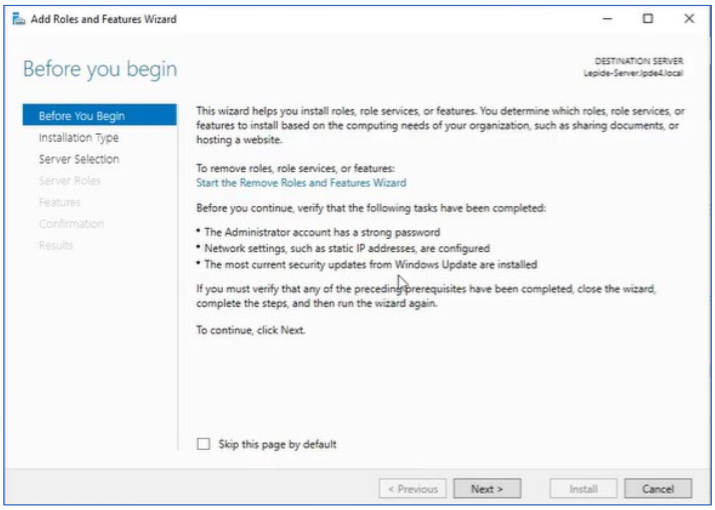

Server Manager
Server Manager • Dashboard
Manage
Tools
View
Help
Dashboard
Local Server
All Servers
DNS
File and Storage Services
IIS
Remote Access
Remote Desktop Services
WELCOME TO SERVER MANAGER
QUICK START
WHAT'S NEW
LEARN MORE
1 Configure this local server
2 Add roles and features
3 Add other servers to manage
4 Create a server group
5 Connect this server to cloud services
Hide
ROLES AND SERVER GROUPS
Roles: 5 | Server groups: 1 | Servers total: 1
DNS 1
File and Storage Services 1
IIS 1
Remote Access 1
Manageability
Events
Services
Performance
BPA results

Figure 16: Server Manager

The Add Roles and Features Wizard is displayed:


Add Roles and Features Wizard
Before you begin
DESTINATION SERVER
Lepide-Server.lpde4.local
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
< Previous
Next >
Install
Cancel

This wizard helps you install roles, role services, or features. You determine which roles, role services, or features to install based on the computing needs of your organization, such as sharing documents, or hosting a website.

To remove roles, role services, or features:
Start the Remove Roles and Features Wizard

Before you continue, verify that the following tasks have been completed:

- The Administrator account has a strong password
- Network settings, such as static IP addresses, are configured
- The most current security updates from Windows Update are installed

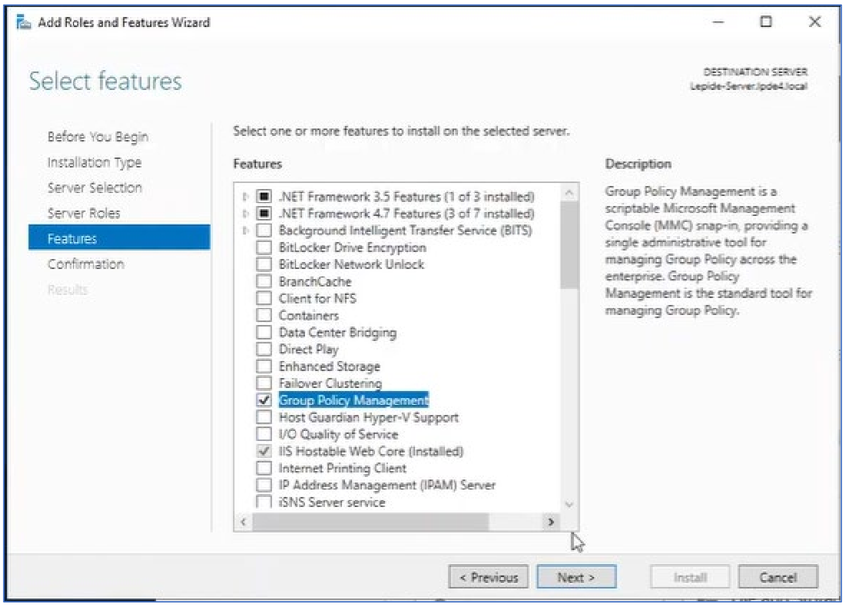
If you must verify that any of the preceding prerequisites have been completed, close the wizard, complete the steps, and then run the wizard again.

To continue, click Next.

☐ Skip this page by default

Figure 17: Add Roles and Features Wizard – Before you begin

- Click **Next** until you get to **Features**


Add Roles and Features Wizard
Select features
DESTINATION SERVER
Lepide-Server.lpde4.local
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
< Previous
Next >
Install
Cancel

Select one or more features to install on the selected server.

Features

- ■ .NET Framework 3.5 Features (1 of 3 installed)
- ■ .NET Framework 4.7 Features (3 of 7 installed)
- ☐ Background Intelligent Transfer Service (BITS)
- ☐ BitLocker Drive Encryption
- ☐ BitLocker Network Unlock
- ☐ BranchCache
- ☐ Client for NFS
- ☐ Containers
- ☐ Data Center Bridging
- ☐ Direct Play
- ☐ Enhanced Storage
- ☐ Failover Clustering
- ☑ Group Policy Management
- ☐ Host Guardian Hyper-V Support
- ☐ I/O Quality of Service
- ☑ IIS Hostable Web Core (Installed)
- ☐ Internet Printing Client
- ☐ IP Address Management (IPAM) Server
- ☐ iSNS Server service

Description

Group Policy Management is a scriptable Microsoft Management Console (MMC) snap-in, providing a single administrative tool for managing Group Policy across the enterprise. Group Policy Management is the standard tool for managing Group Policy.

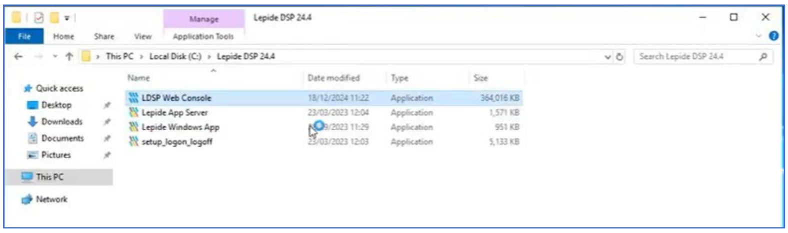
Figure 18: Add Roles and Features Wizard - Select Features

Select Group Policy Management

- Click **Next**
- Click **Install**
- Click **Close** when finished

2.3 How to Install the Lepide Web Console

- Open the Lepide DSP 24.4 folder to see the LDSP Web Console Application file:

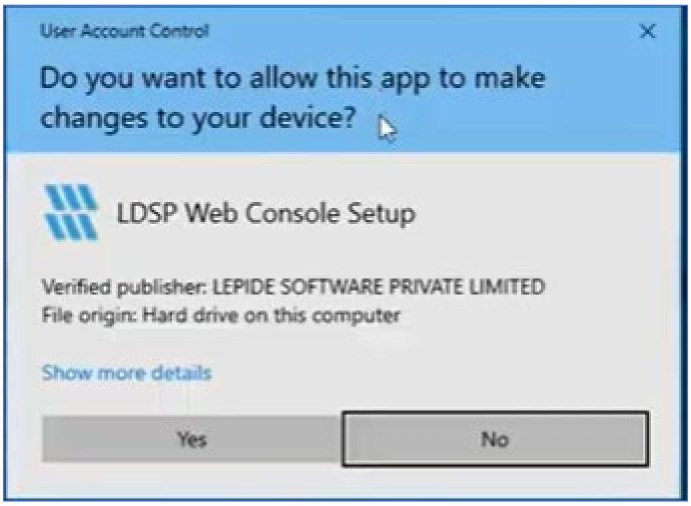

Manage
Lepide DSP 24.4
File
Home
Share
View
Application Tools
This PC › Local Disk (C:) › Lepide DSP 24.4
Search Lepide DSP 24.4
Quick access
Desktop
Downloads
Documents
Pictures
This PC
Network

Name	Date modified	Type	Size
LDSP Web Console	18/12/2024 11:22	Application	364,016 KB
Lepide App Server	23/03/2023 12:04	Application	1,571 KB
Lepide Windows App	[illegible]9/2023 11:29	Application	951 KB
setup_logon_logoff	23/03/2023 12:03	Application	5,133 KB

Figure 19: Web Console Exe File

- Right click the LDSP Web Console installation file and choose Run as administrator
- 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:


User Account Control
×
Yes
No

Do you want to allow this app to make changes to your device?

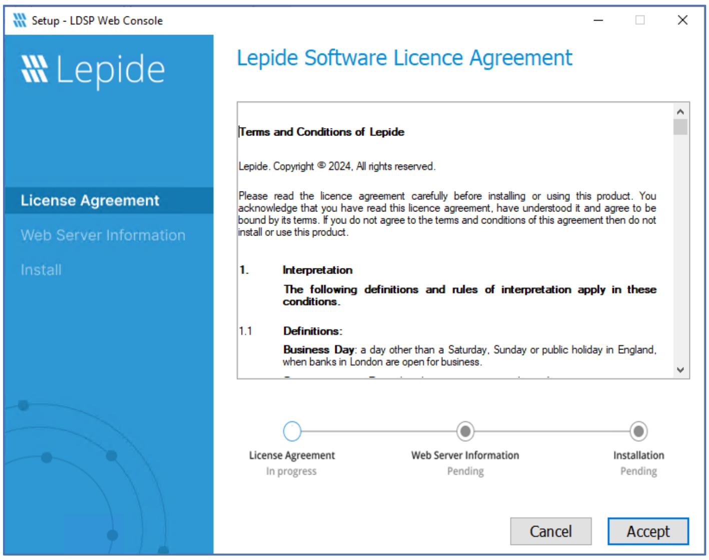
LDSP Web Console Setup

Verified publisher: LEPIDE SOFTWARE PRIVATE LIMITED
File origin: Hard drive on this computer

Show more details

Figure 20: Security Warning

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


Setup - LDSP Web Console
Lepide
License Agreement
Web Server Information
Install
License Agreement
In progress
Web Server Information
Pending
Installation
Pending
Cancel
Accept

Lepide Software Licence Agreement

Terms and Conditions of Lepide

Lepide. Copyright © 2024, All rights reserved.

Please read the licence agreement carefully before installing or using this product. You acknowledge that you have read this licence agreement, have understood it and agree to be bound by its terms. If you do not agree to the terms and conditions of this agreement then do not install or use this product.

1. Interpretation

The following definitions and rules of interpretation apply in these conditions.

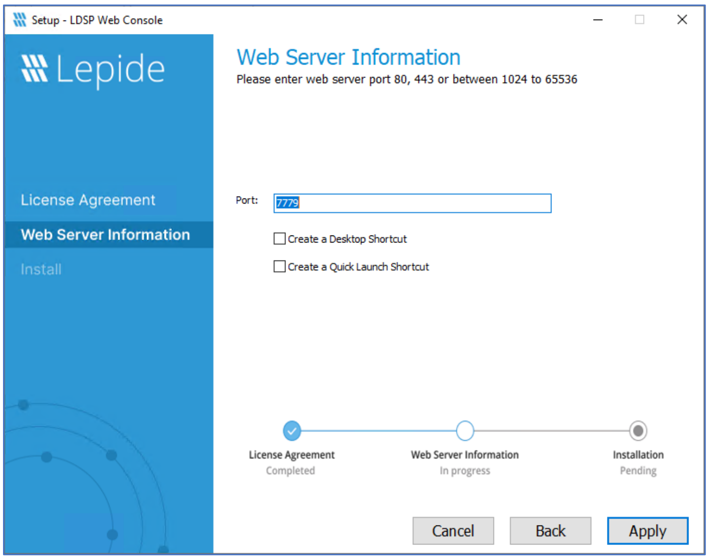
1.1 **Definitions:**

Business Day: a day other than a Saturday, Sunday or public holiday in England, when banks in London are open for business.

Figure 21: Accept License Agreement

- Click **Accept** to accept the License Agreement

The Web Server Information dialog box is displayed:


Setup - LDSP Web Console
Lepide
License Agreement
Web Server Information
Install
License Agreement
Completed
Web Server Information
In progress
Installation
Pending
Cancel
Back
Apply

Web Server Information

Please enter web server port 80, 443 or between 1024 to 65536

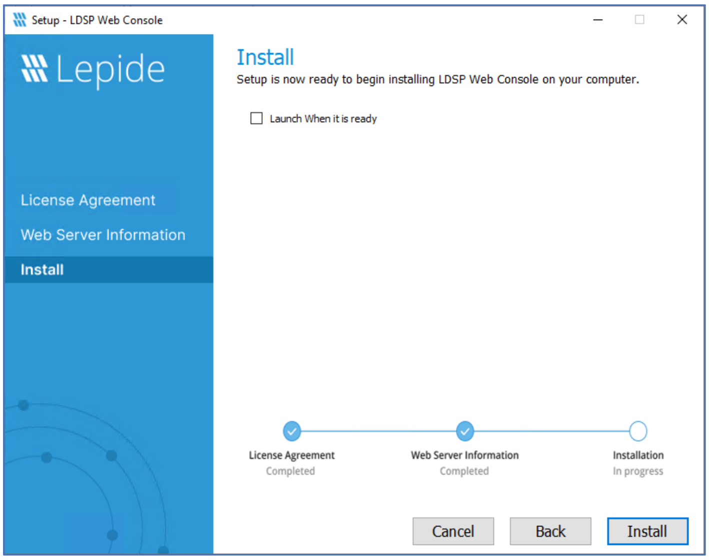
Port: 7779

☐ Create a Desktop Shortcut

☐ Create a Quick Launch Shortcut

Figure 22: Web Server Information

- Add the web server port number. The port number 7779 is the default used by the Lepide Web Console, but you can use any free port you have available.
- Check the **Create a desktop shortcut** box if required
- Check the **Create a quick launch shortcut** box if required
- Click **Apply** to continue
- The Install dialog box is displayed:


Setup - LDSP Web Console
Lepide
License Agreement
Web Server Information
Install
License Agreement
Completed
Web Server Information
Completed
Installation
In progress
Cancel
Back
Install

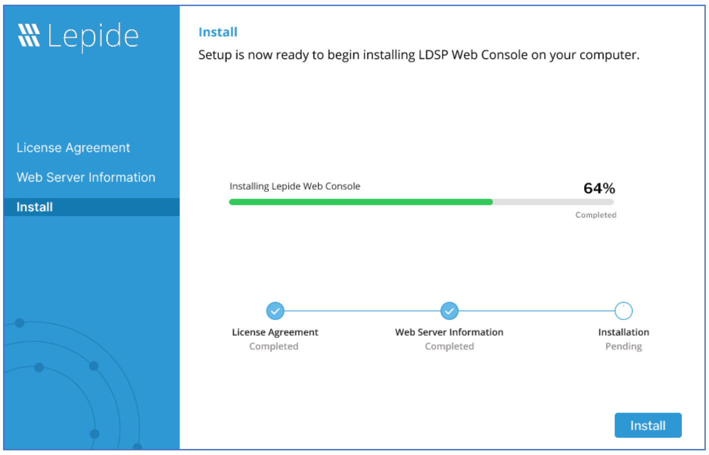
Install

Setup is now ready to begin installing LDSP Web Console on your computer.

☐ Launch When it is ready

Figure 23: Install

- Check the **Launch when it is ready** box to start the Lepide Web Console once installation is complete
- Click **Install** to start the installation



Install

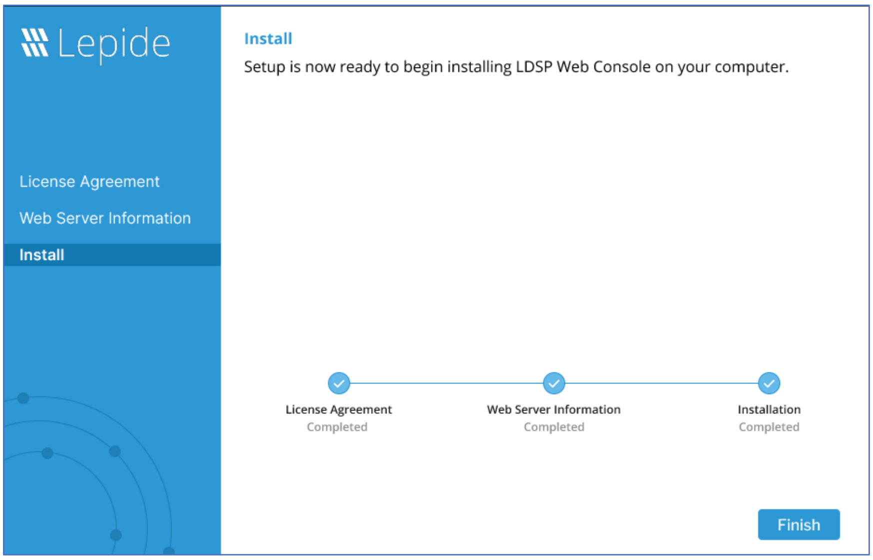
Setup is now ready to begin installing LDSP Web Console on your computer.

Installing Lepide Web Console 64% Completed

Lepide
License Agreement
Web Server Information
Install
License Agreement
Completed
Web Server Information
Completed
Installation
Pending
Install

Figure 24: Installing the Lepide Web Console

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



Install

Setup is now ready to begin installing LDSP Web Console on your computer.

Lepide
License Agreement
Web Server Information
Install
License Agreement
Completed
Web Server Information
Completed
Installation
Completed
Finish

Figure 25: Complete the Installation

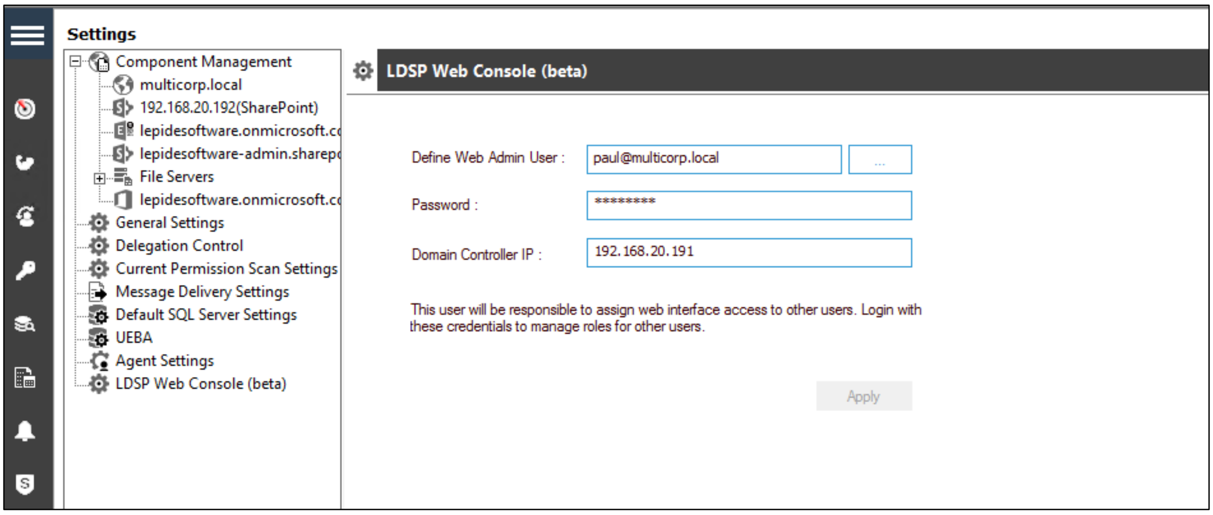
2.4 Creating the Web Console Admin User

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:


Settings
Component Management
multicorp.local
192.168.20.192(SharePoint)
lepidesoftware.onmicrosoft.c
lepidesoftware-admin.sharep
File Servers
lepidesoftware.onmicrosoft.c
General Settings
Delegation Control
Current Permission Scan Settings
Message Delivery Settings
Default SQL Server Settings
UEBA
Agent Settings
LDSP Web Console (beta)
LDSP Web Console (beta)
...
Apply

Define Web Admin User : paul@multicorp.local

Password : ********

Domain Controller IP : 192.168.20.191

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

Figure 26: LDSP Web Console Admin User Setup

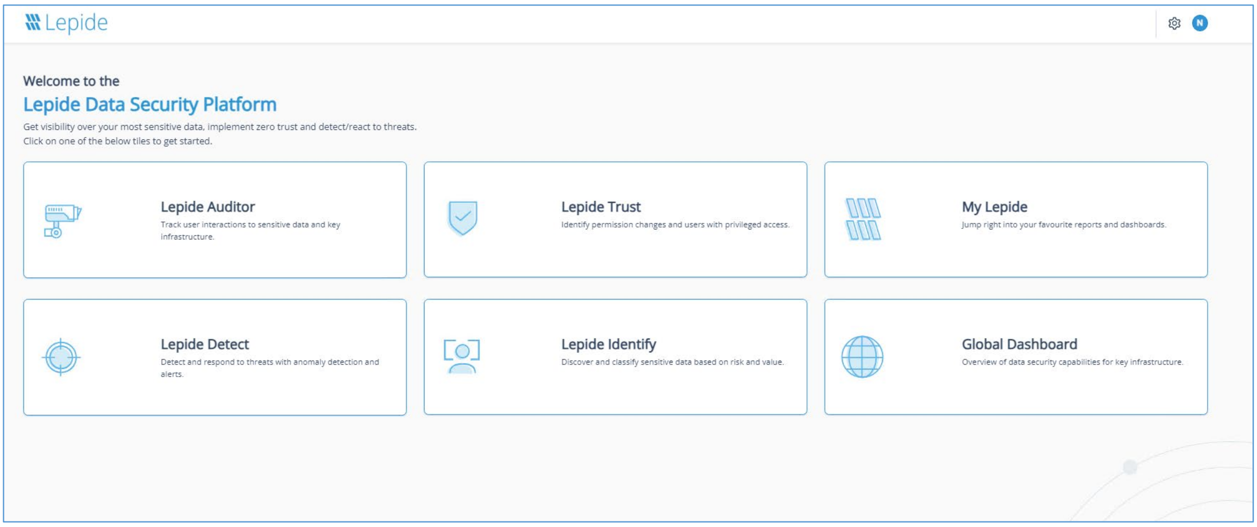
Enter the user logon details in the dialog box as follows:

- 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:



Welcome to the

Lepide Data Security Platform

Get visibility over your most sensitive data, implement zero trust and detect/react to threats.
Click on one of the below tiles to get started.

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

Lepide Trust
Identify permission changes and users with privileged access.

My Lepide
Jump right into your favourite reports and dashboards.

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

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

Global Dashboard
Overview of data security capabilities for key infrastructure.

Figure 27: Web Console Home Screen

3 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/.

4 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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