

Virtual appliance deployment.

Configuration guide.

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1 Introduction

Welcome to the Virtual Appliance Deployment Guide of Lepide Data Security Platform. Lepide Data Security Platform now offers new deployment options in addition to the traditional on-premises deployment. This Virtual Appliance deployment will get you up and running in less than 15 minutes.

- Virtual Appliance: Lepide Data Security Platform can now be deployed as a virtual appliance using VMware AND Hyper-V. Virtual Appliance is essentially a VM image file with pre-installed Lepide Data Security Platform.

2 Purpose of this Document

The purpose of this document is to make you familiar with the configuration of Virtual Appliance with Lepide Data Security Platform within your virtual infrastructure.

3 Virtual Deployment

The section below explains how to import the virtual appliance into VMware AND Hyper-V with installed Lepide Data Security Platform. The following configuration options are available:

- Generalized Windows Server 2019 Datacenter
- 180-day evaluation version
- Microsoft SQL Server 2019 Express with native Reporting Services installed.

3.1 Requirements to Deploy the Virtual Appliance

This section basically covers the software and hardware requirements where Lepide Data Security Platform is going to be deployed. The requirements are as below:

- Software Requirements
- Hardware Requirements

NOTE: The requirements below are sufficient only for evaluation purposes only. Refer to the Lepide Data Security Platform Installation and Configuration guide to Install Lepide Data Security Platform in production environments.

3.1.1 Software Requirements

The minimum software requirements are:

- VMware – VMware ESXi 5.1, 5.5, 6.0, 6.5
- VMware – Workstation 11 and 12



3.1.2 Hardware Requirements

When deploying Lepide Data Security Platform Virtual Appliance, a pre-configured virtual machine is created. Presented below is the default hardware configuration of the VM where Lepide Data Security Platform Virtual Appliance is going to be deployed:

- Processor: 8 cores
- RAM: 32 GB
- Hard Disk: 1 TB for Virtual Appliance Setup
- Total Video Memory: 16 MB
- Network Adapter: vmxnet3
- Other: Check and upgrade VMware tools during power cycle

4 Importing the Virtual Machine from Image to VMware

To import the Virtual Machine from image to VMware, please follow the steps below:

1. Go to **File** and click on **Open**.

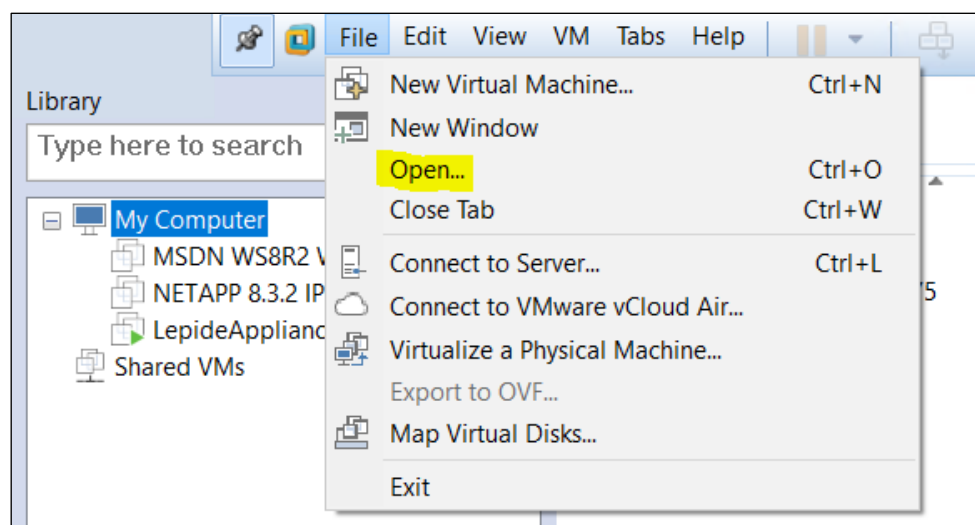


Figure 1: Open Virtual Machine

2. On the next screen, select **LepideAppliance.ova** from the location you have downloaded it.

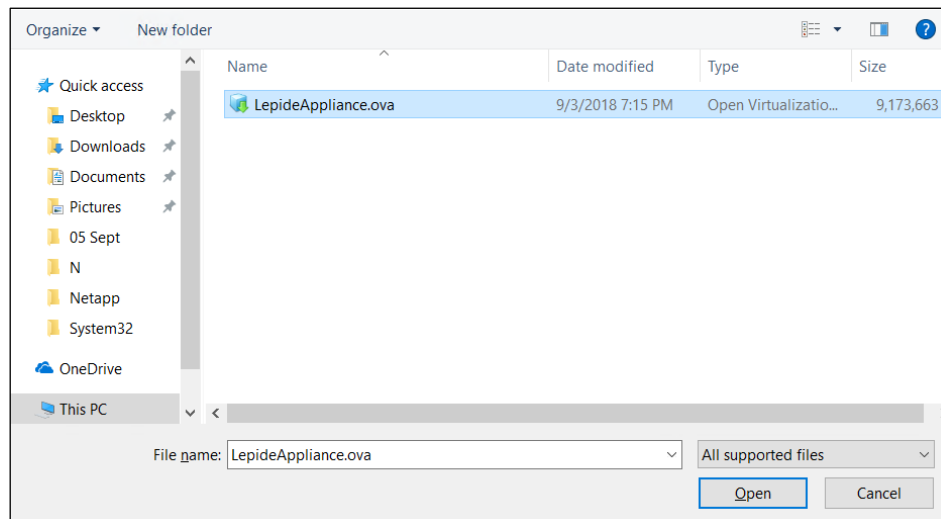


Figure 2: Select LepideAppliance.ova

3. On the next screen, please select a name for the VM and click **Import**.

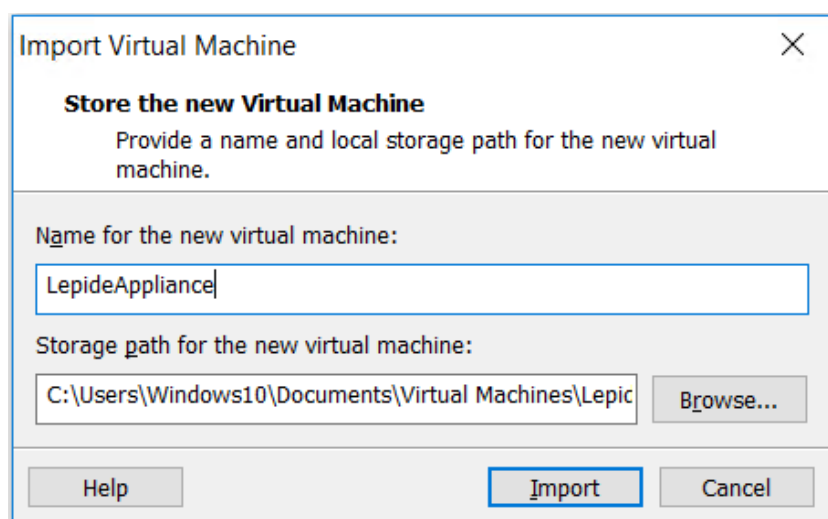


Figure 3: Import Virtual Machine

Once you import the machine it will be visible in the VMware console with the provided name and will be ready to use.

5 Importing the Virtual Machine from Image to Hyper-V

Please follow the instructions below to import the virtual appliance into Hyper-V server:

1. On your Hyper-V server, unzip the Lepide virtual appliance package to the specified location.
2. Navigate to Start, All Apps, Hyper-V Manager.

3. In the Hyper- V Manager, navigate to Actions, Import virtual machine and follow the Wizard instructions:

Locate Folder - Browse for the folder that contains extracted Lepide virtual appliance

Select Virtual Machine - Select Lepide Virtual Appliance

Choose Import Type - Choose the import type that best suits your needs

Choose Network Type - Select a virtual switch

Summary - Review your virtual machine settings. Click **Finish** to exit the wizard

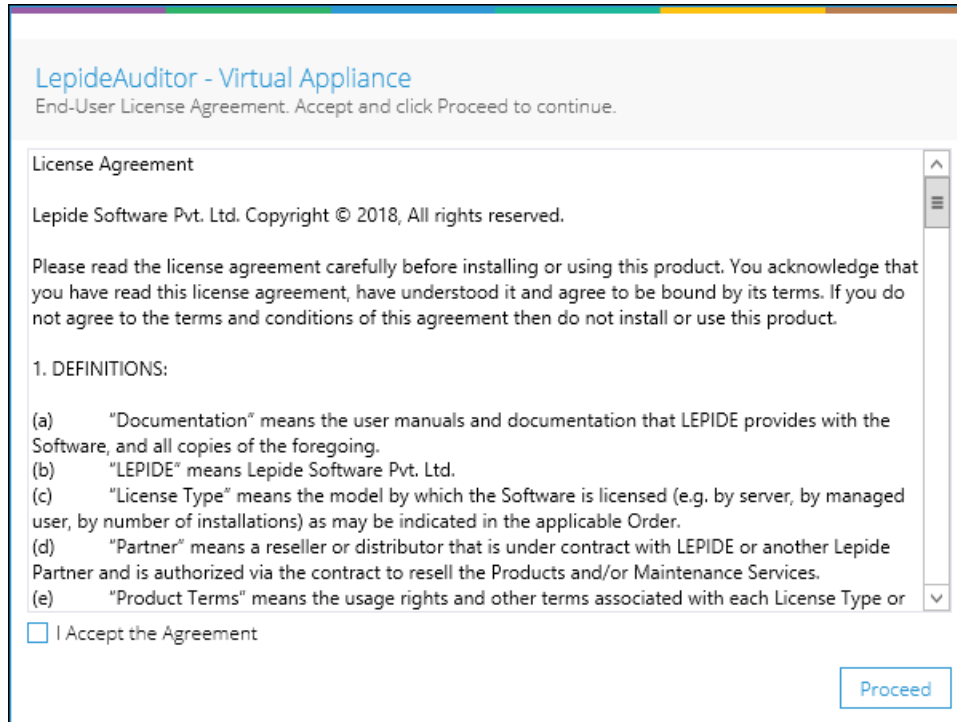
NOTE: If your Hyper-V server runs Windows Server 2012, instead of importing a virtual machine, select **New virtual machine**. Proceed with the wizard: set the startup memory to 4096 MB, specify your network switch and select the **Use an existing virtual hard disk** option.

4. The newly created virtual machine named Lepide Virtual Appliance will appear in the list of virtual machines. Right-click and select **Start**.

6 Configuring the Virtual Appliance

Follow the steps below to configure the Virtual Appliance with Lepide Data Security Platform:

1. Once you connect to the virtual appliance, you will see that Windows Server 2019 installation is almost complete. On the Settings page, specify a password for the built-in administrator account. Then re-enter your password. Click **Finish**.
2. On the next page, check the box to accept the agreement and click **Proceed**.



The screenshot shows a window titled "LepideAuditor - Virtual Appliance" with the subtitle "End-User License Agreement. Accept and click Proceed to continue." The main content area is titled "License Agreement" and contains the following text:

Lepide Software Pvt. Ltd. Copyright © 2018, All rights reserved.

Please read the license agreement carefully before installing or using this product. You acknowledge that you have read this license 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.

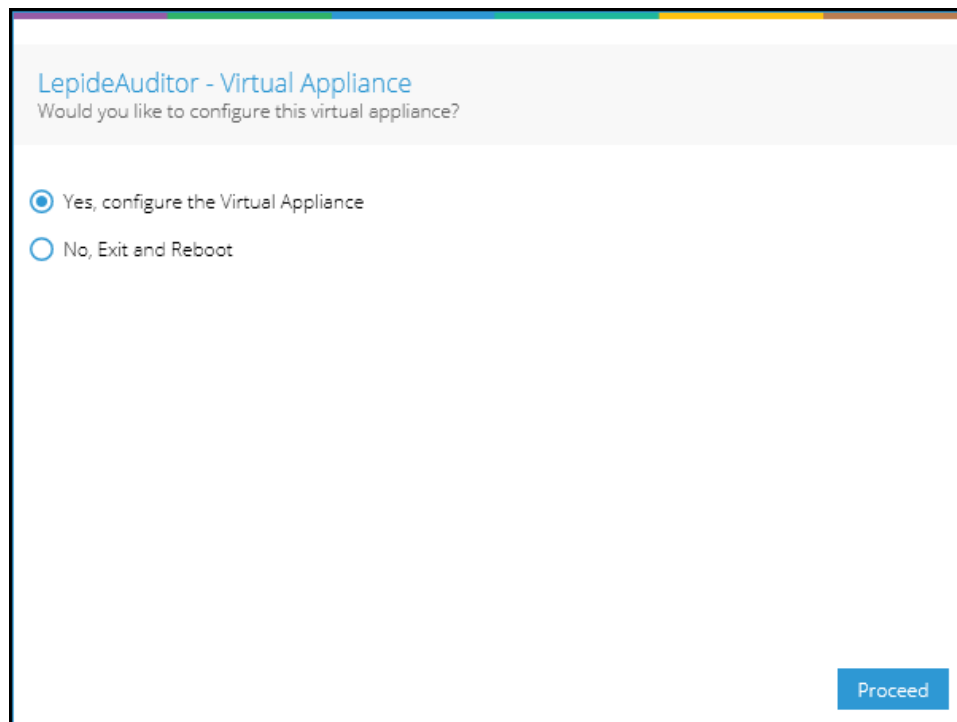
1. DEFINITIONS:

- (a) "Documentation" means the user manuals and documentation that LEPIDE provides with the Software, and all copies of the foregoing.
- (b) "LEPIDE" means Lepide Software Pvt. Ltd.
- (c) "License Type" means the model by which the Software is licensed (e.g. by server, by managed user, by number of installations) as may be indicated in the applicable Order.
- (d) "Partner" means a reseller or distributor that is under contract with LEPIDE or another Lepide Partner and is authorized via the contract to resell the Products and/or Maintenance Services.
- (e) "Product Terms" means the usage rights and other terms associated with each License Type or

At the bottom left, there is a checkbox labeled "I Accept the Agreement". At the bottom right, there is a blue button labeled "Proceed".

Figure 4: License Agreement

3. If you wish to configure the appliance then click on **Yes, Configure the Virtual Appliance**, otherwise select **No, exit and reboot** to do it later.



The screenshot shows a window titled "LepideAuditor - Virtual Appliance" with the subtitle "Would you like to configure this virtual appliance?". The main content area contains two radio button options:

- ☒ Yes, configure the Virtual Appliance
- ☐ No, Exit and Reboot

At the bottom right, there is a blue button labeled "Proceed".

Figure 5: Configure Virtual Appliance

4. Provide a Computer name, NetBIOS Name, Time Zone and SQL Server Password for the VM and click **Next**.

Lepide Data Security Platform - Virtual Appliance
Configure the computer name and SQL authentication password

Computer Name: WIN-89SC8G2HIM9

Netbios Name: WIN-89SC8G2HIM9

Time Zone: (UTC-08:00) Pacific Time (US & Canada) ▼

SQL Server Password

Password:

Confirm Password:

Back Next

Figure 6: Lepide Data Security Platform- Virtual Appliance

5. Now configure the network adapter according to the required settings or select **No** if you plan to do it later.

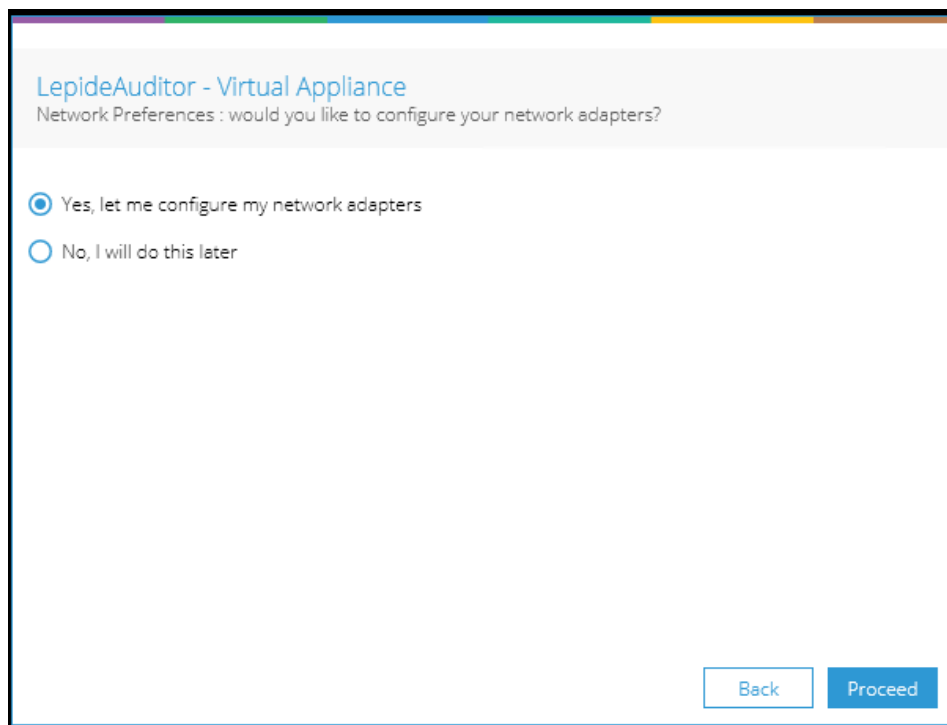
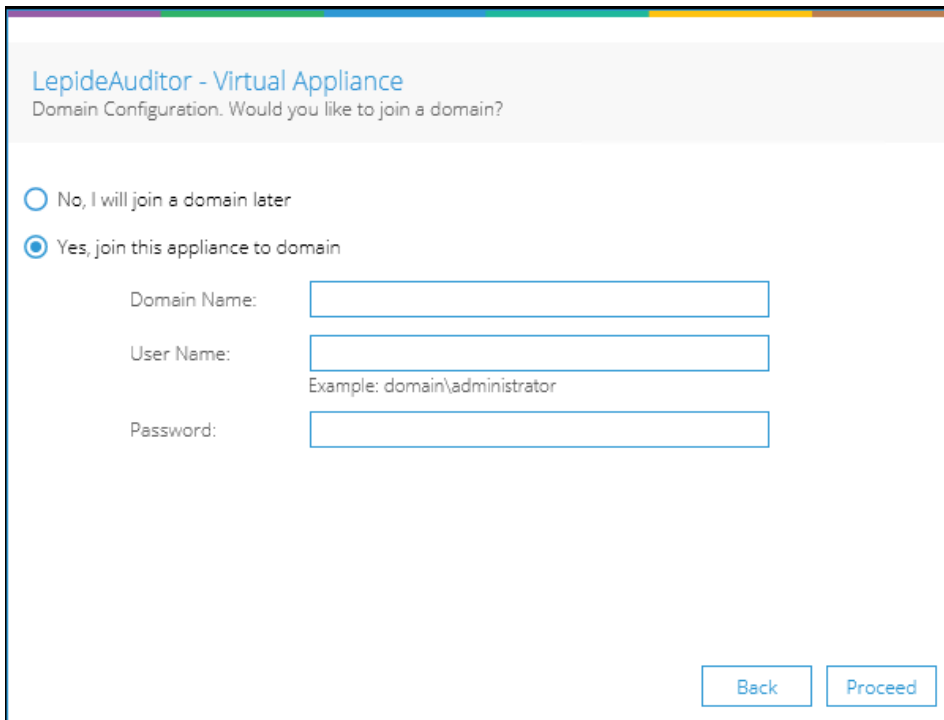


Figure 7: Configure Network Adapters

6. Once the network settings are done, the next step is to join the machine to a domain if you wish to, or you can leave it in the workgroup as per your requirements.



LepideAuditor - Virtual Appliance

Domain Configuration. Would you like to join a domain?

☐ No, I will join a domain later

☒ Yes, join this appliance to domain

Domain Name:

User Name:
Example: domain\administrator

Password:

Back Proceed

Figure 8: Join Appliance to Domain

7. The SQL server is automatically configured. The sysadmin server role on SQL server instance is granted automatically to the BUILTIN\administrators group. The user will need to set up the SQL settings in the solution to create the database.
8. Reboot the virtual machine and you will be able to launch Lepide Data Security Platform from Start menu or by double clicking the Lepide Data Security Platform shortcut on the desktop.

NOTE:

SQL Server

- Windows Authentication and SA Authentication is already enabled.
- Password for SQL Authentication is same as you have set in Figure 7 for the SA Account.

Server Manager

- Group Policy Management is given pre-installed

7 Configure Service Credentials

The last step is to configure the solution Service Credentials

1. From the Lepide Data Security Platform home screen, click the **Settings** icon.
2. Right click on **Component Management** and choose **Configure Service Credentials**.

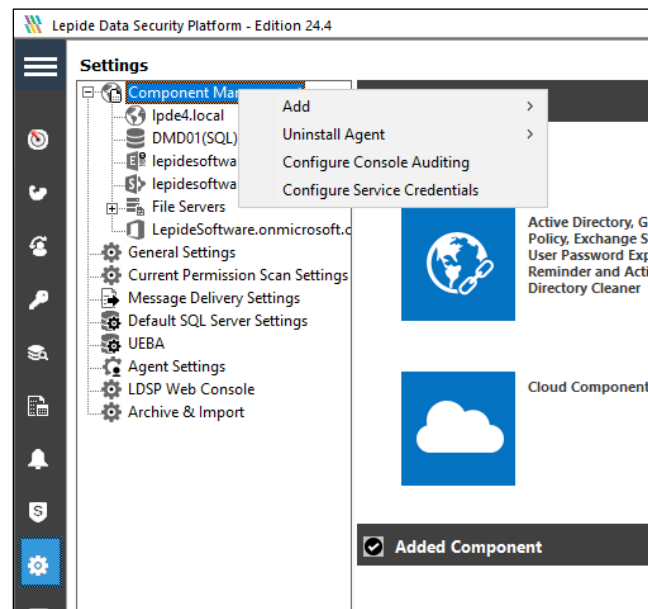


Figure 9: Configure Service Credentials

The Service Credentials dialog box is displayed:

The Solution needs a domain admin account, this could also be a service account

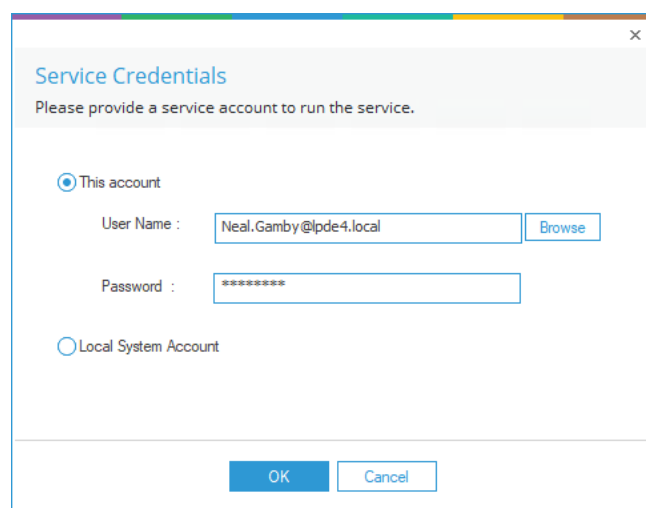


Figure 10: Service Credentials

3. Add the service account credentials and click **OK**

4. Select **Default SQL Server Settings** from the options on the left hand side
5. Enter the SQL server (either **LepideDSP\SQLEXPRESS** or **the hostname of the machine with SQL installed**) together with the credentials set in initial setup

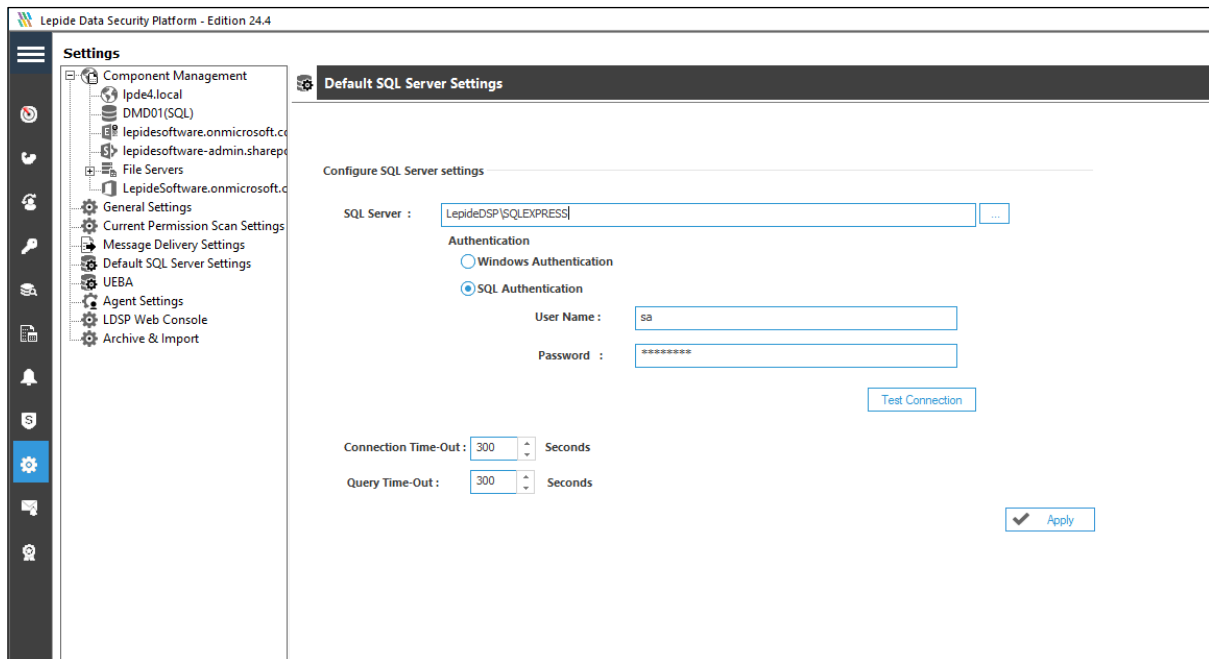


Figure 11: Default SQL Server Settings

6. Click **Test Connection**, then click **Apply**

As an additional check:

- Also ensure the dedicated account has **Full Control** of the Lepide install folder:

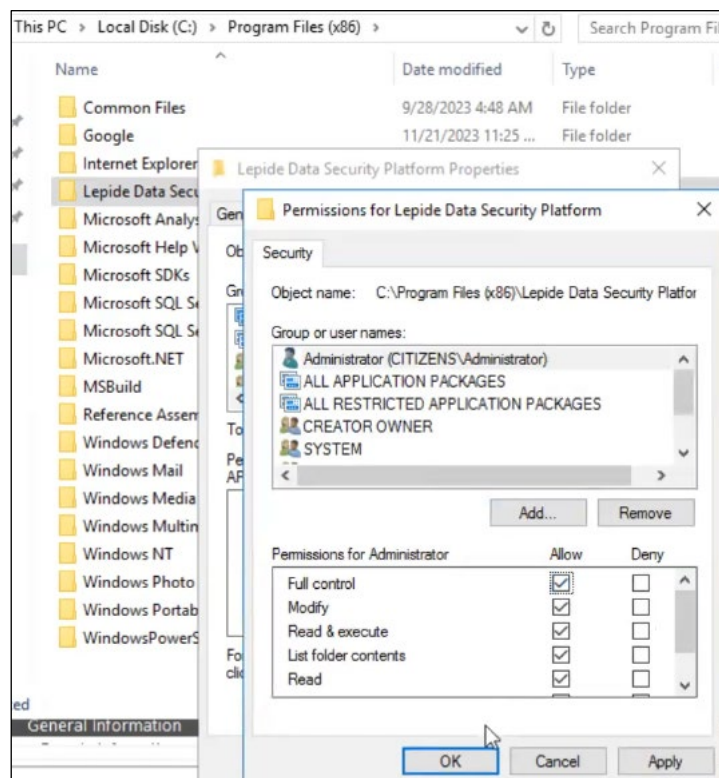


Figure 12: Permissions for Lepide Data Security Platform

8 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

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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/>.

9 Trademarks

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