

LepideAuditor

Data Discovery and
Classification

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1. Introduction

Welcome to the Data Discovery and Classification document of LepideAuditor.

Ensure you know where your most sensitive data resides in your file server and the level of risk it poses to your organization. Analyze why the data is sensitive and classify it accordingly.

The purpose of this document is to familiarize you with the configuration of Data Discovery and Classification in LepideAuditor and to give you a glimpse of how the Data Discovery and Classification can help you solve critical business problems.

2. Features of Data Discovery and Classification

2.1. Discover, Classify and Tag Sensitive Data

Ensure you know where your most sensitive data resides in your file server and the level of risk it poses to your organization. Analyze why the data is sensitive and classify it accordingly.

2.2. Instant Insight into Your Sensitive Data

Scan your content for PII, credit card numbers, dates of birth and more based on a pre-defined set of conditions. Classify your data and automate both tagging and scoring to help you detect your most sensitive data fast. Create rules to classify data based on an initial discovery process and then automatically at the point of creation for near real-time classification.



3. How to Configure Data Discovery and Classification

To Configure Data Discovery and Classification please follow the below steps:

1. Go to DDC tab and add the Centralized Communication Server Details. This SQL server will contain the file classification data and will be queried by the DDC agent.

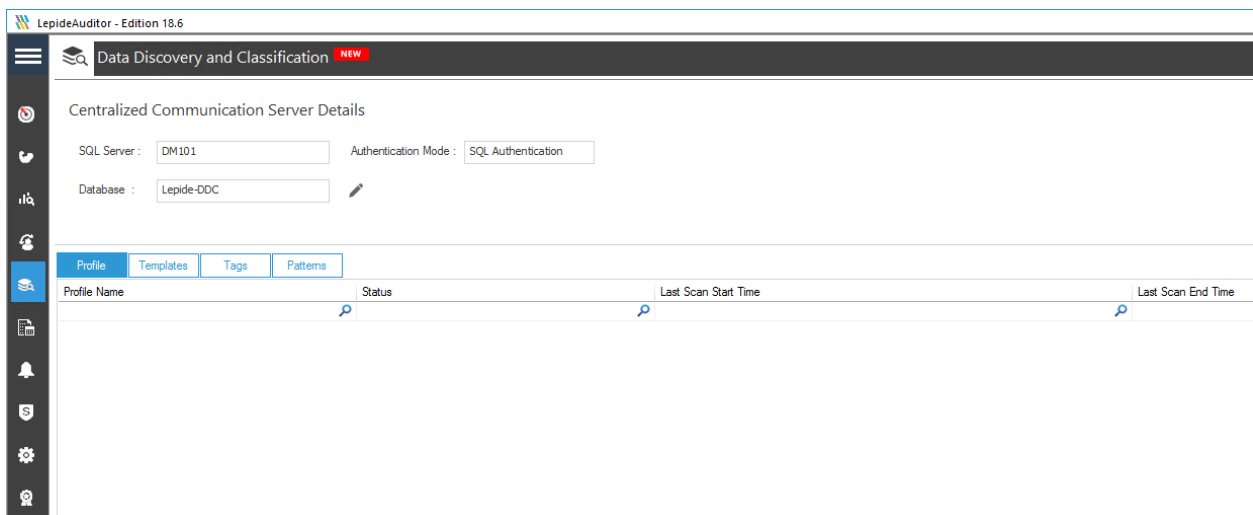


Figure 1: DDC Tab in LepideAuditor

2. Create a Profile to specify the Classification Templates containing the tags and patterns at the lower levels:

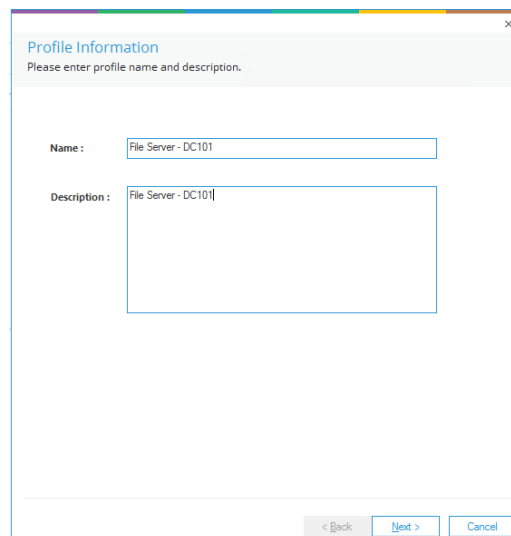


Figure 2: Profile Information

- On the next screen, please enter the credentials to access the shared folders. Domain admin is the preferred choice here. Now add the shared folders to be scanned for the data classification from the 4 available options:

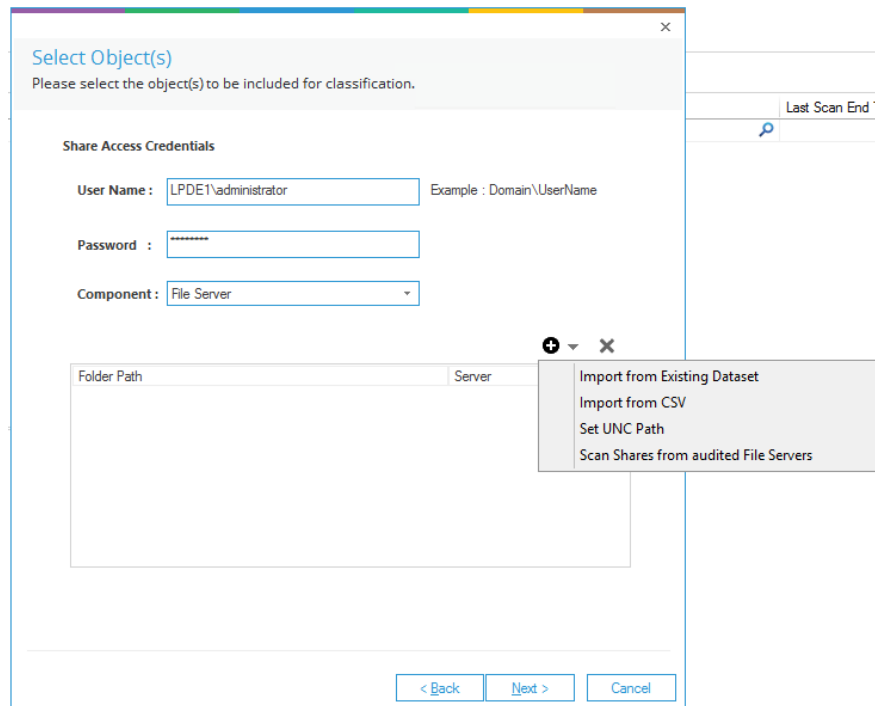
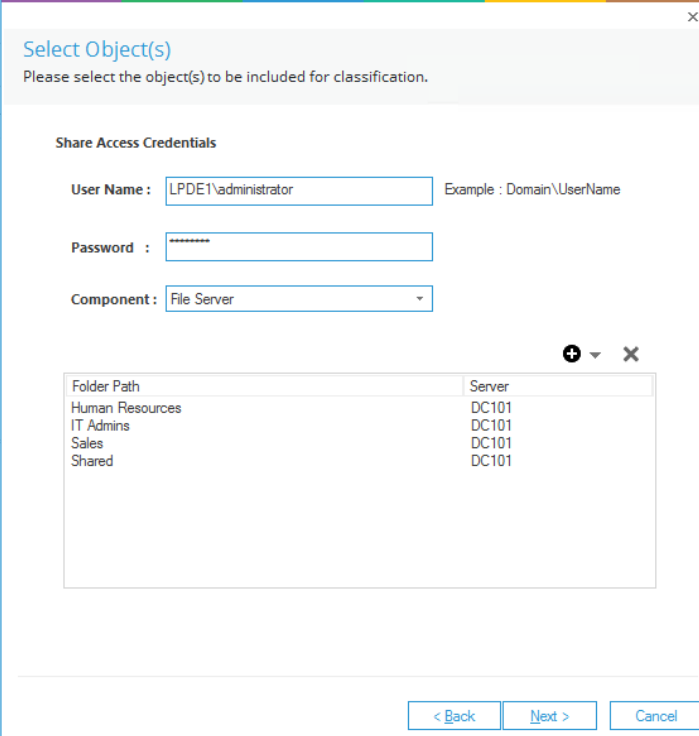


Figure 3: Select Object(s)

- Once the Folders are selected, they will appear in the box below as:



Select Object(s)
Please select the object(s) to be included for classification.

Share Access Credentials

User Name : LPDE1\administrator Example : Domain\UserName

Password : *****

Component : File Server

Folder Path	Server
Human Resources	DC101
IT Admins	DC101
Sales	DC101
Shared	DC101

< Back Next > Cancel

Figure 4: Objects Selected

5. Now assign a template to the Profile which you have selected. Template is basically a collection of Tags which in turn is a collection of Patterns (Strings or Regular Expressions).

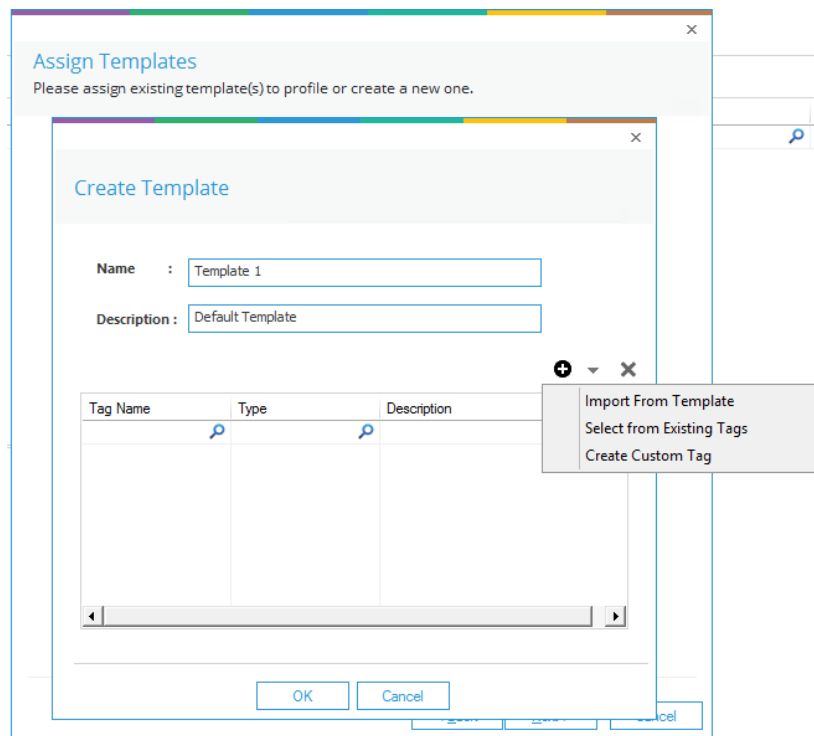
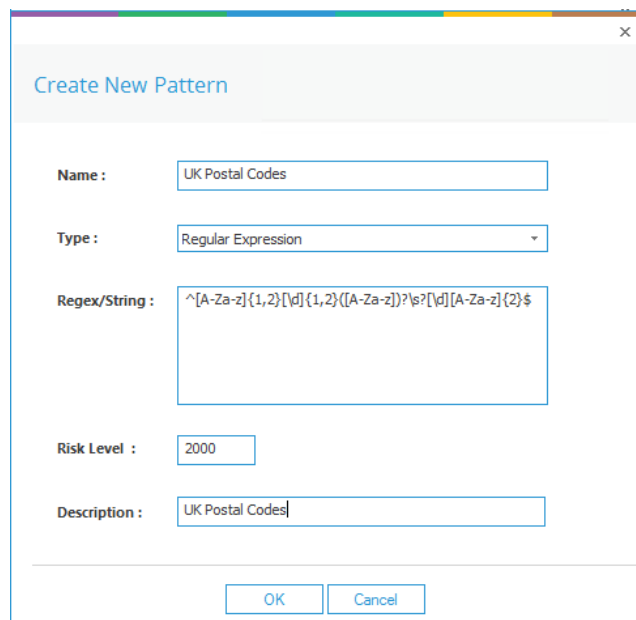


Figure 5: Assign Templates

6. You can either import the information from a previous template or import the existing tags or can create your new custom tag. The first-time users will have to create a custom tag.
7. The next step is to create the patterns within the tags. Patterns are the strings or the regular expressions which can be used to classify the files. You can either choose from an existing pattern or create a new one for the first-time use.



Create New Pattern

Name : UK Postal Codes

Type : Regular Expression

Regex/String : `^[A-Za-z]{1,2}[d]{1,2}([A-Za-z])?|[d][A-Za-z]{2}$`

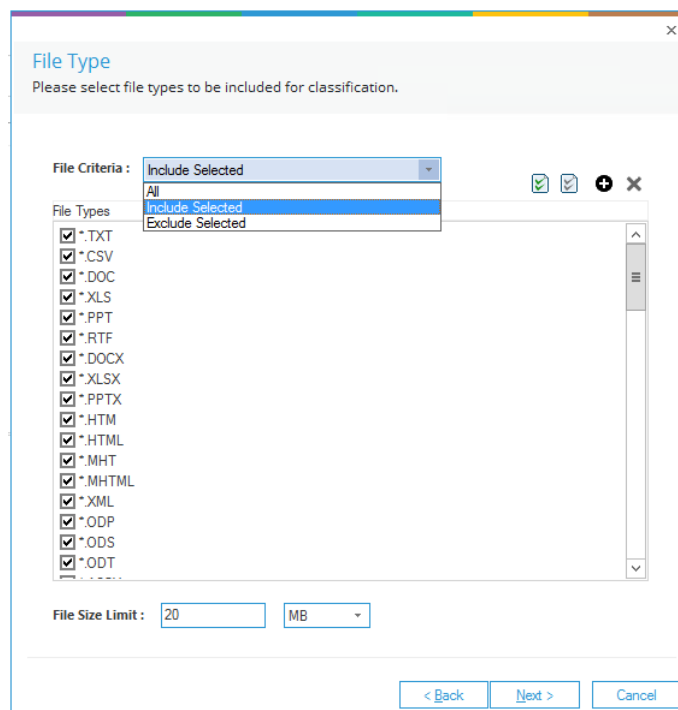
Risk Level : 2000

Description : UK Postal Codes

OK Cancel

Figure 6: Create a new pattern

8. Select the file types which you want to scan for the Data Classification. By Default, it is set to All.



File Type

Please select file types to be included for classification.

File Criteria : Include Selected

File Types

- *.TXT
- *.CSV
- *.DOC
- *.XLS
- *.PPT
- *.RTF
- *.DOCX
- *.XLSX
- *.PPTX
- *.HTM
- *.HTML
- *.MHT
- *.MHTML
- *.XML
- *.ODP
- *.ODS
- *.ODT

File Size Limit : 20 MB

< Back Next > Cancel

Figure 7: Select File Type

- Set the classification schedule and specify the Classification Server. You can both choose to run the classification now and set your own schedule for that. Also, you will need to specify the Classification Server (machine where the classification agent will run). This can be either the Lepide Console, or the Local File Server or any remote file server. Click on Finish once the information is filled.

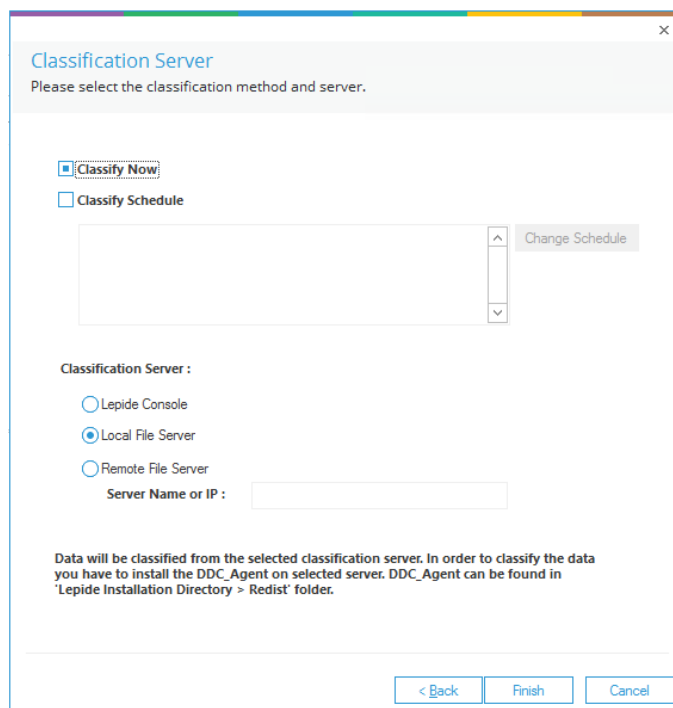


Figure 8: Set the classification schedule

- Now, please go to the location `C:\Program Files (x86)\LepideAuditor Suite\Redist` on the Lepide server and copy these 2 files:
 - DDC_Agent_Setup.exe – This should be copied and installed on the Classification Server.
 - Setup-DataClassification.exe – This should be copied and installed on the File Server.
- Configure the DDC_Agent on the Classification Server. Specify the account which the executor will use to classify the files. The local system account can be used here or any account which is either a domain admin or the local admin on the file server. After selecting the Service credentials, the next step is to select the same database here which was created in Step 1.

Enter Service Credentials and Centralized SQL Server details

Service Credentials

Local System Account

User Account

Username: LPDE1\administrator Use DomainName\UserName format

Password:

SQL Server Details

SQL Server Name: DM101

Authentication Type

Windows Authentication

SQL Authentication

Username: sa

Password:

Test Connection

Database Name: Lepide-DDC

Please provide the database name provided to store profile information in Lepide Console machine.

OK Cancel

Figure 9: SQL Server Details

12. Next step is to install the Setup-Data Classification on the File server. On the first window, please select the IP of the File server if it was added with the IP on Step 4. Choose the same DB as selected in the Step 1. The destination SQL server should be the same which is selected in the Sensitive Data SQL Server Settings window in LepideAuditor.

13. Now let the scan run. You can view the progress from the following page:

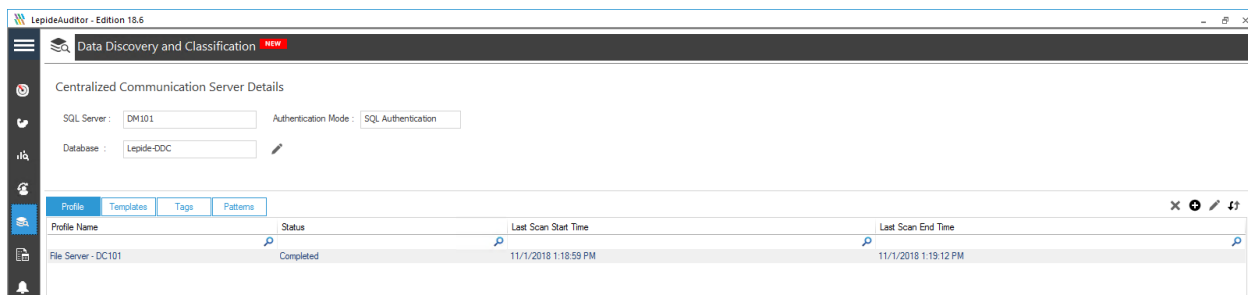


Figure 10: DDC scan running

4. Viewing the Report

To view the report, go to the Access Governance section of the solution and open Sensitive data report under the Risk Analysis:

The screenshot shows the LepideAuditor - Edition 18.6 interface. The left navigation pane is under 'Access Governance' and includes options like 'Access Governance Dashboard', 'Historic Permissions Analysis', 'Current Permission Analysis', 'Risk Analysis', 'Sensitive Data', 'Open Shares', and 'Alert Summary'. The main window is titled 'Sensitive Data' and shows a table with the following columns: Content Type, File Path, Risk Level, and Classification Date Time. The data is grouped by Content Type:

Content Type	File Path	Risk Level	Classification Date Time
Content Type: Biometric - PDF			
DC101	C:\Shared\HR\ATTENDANCE POLICY.pdf	Yes	3/29/2018 1:22:24 PM
Content Type: Employee Name			
DC101	C:\Shared\Names file.txt	Yes	4/2/2018 4:15:06 PM
DC101	C:\Shared\New Text Document (2).txt	Yes	4/2/2018 3:59:13 PM
Content Type: name identifier			
DC101	C:\Shared\Names file.txt	1000	4/2/2018 4:15:06 PM
DC101	C:\Shared\New Text Document (2).txt	1000	4/2/2018 3:59:13 PM
DC101	C:\Shared\Operations\Employee Data with Na...	1000	4/2/2018 3:43:45 PM
Content Type: PAN Number			
DC101	C:\Shared\Finance\IPAN.txt	2000	4/5/2018 6:44:09 PM
DC101	C:\Shared\Employees Quota\IPAN.txt	1	4/5/2018 6:44:09 PM
Content Type: PII - URL			
DC101	C:\Shared\HR\Website Info.txt	6000	5/25/2018 12:39:26 PM
DC101	C:\Shared\Marketing\Website Info.txt	6000	5/25/2018 12:39:26 PM
DC101	C:\Shared\Directors\Website Info.txt	6000	5/25/2018 12:39:26 PM
DC101	C:\Shared\Operations\Website Info.txt	6000	5/25/2018 12:39:26 PM
DC101	C:\Shared\Dev-FSA\Website Info.txt	6000	5/25/2018 12:39:26 PM
DC101	C:\Shared\Data from Development\Website In...	6000	5/25/2018 12:39:26 PM
DC101	C:\Shared\Employees Quota\Website Info.txt	6000	5/25/2018 12:39:26 PM
DC101	C:\Shared\Support\Website Info.txt	6000	5/25/2018 12:39:26 PM
DC101	C:\Shared\Admin\Website Info.txt	6000	5/25/2018 12:39:26 PM
DC101	C:\Shared\Finance\Website Info.txt	6000	5/25/2018 12:39:26 PM
Content Type: UK Postal Codes			
DC101	C:\Shared\Data from Development\Address D...	Yes	5/24/2018 8:52:48 PM

Figure 11: Sensitive Data Report

5. Support

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

Product experts

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

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

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

Technical gurus

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

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

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

Alternatively, visit <http://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 <http://www.lepide.com/lepideauditor/>.



6. Trademarks

LepideAuditor, LepideAuditor App, LepideAuditor App Server, LepideAuditor (Web Console), LepideAuditor Logon/Logoff Audit Module, LepideAuditor for Active Directory, LepideAuditor for Group Policy Object, LepideAuditor for Exchange Server, LepideAuditor for SQL Server, LepideAuditor 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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