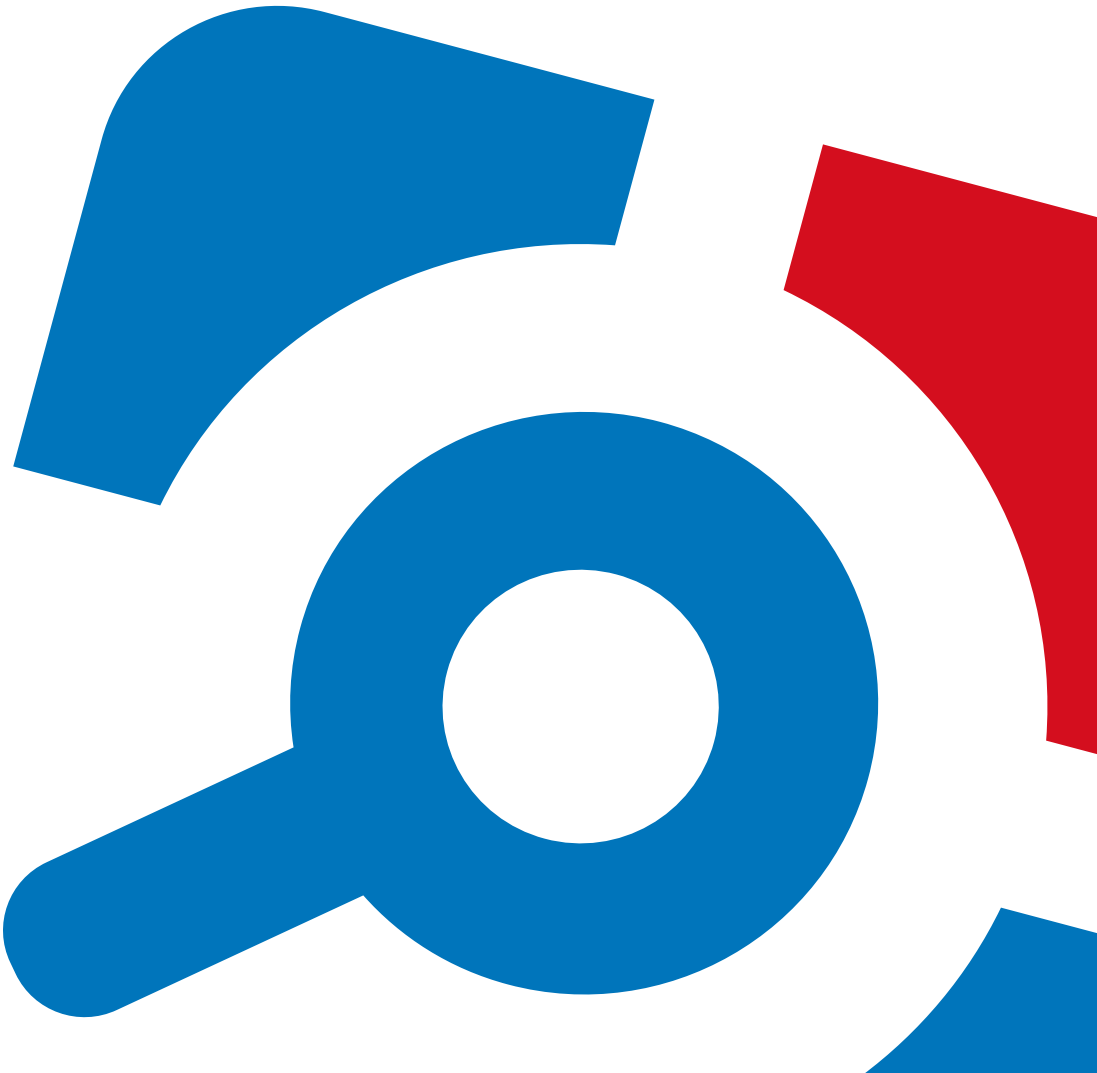
netwrix

Netwrix Auditor Data Discovery and Classification

Quick-Start Guide

Version: 9.5
4/10/2018



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1. Introduction

This guide is intended for the first-time users of Netwrix Auditor Data Discovery and Classification. It can be used for evaluation purposes, therefore, it is recommended to read it sequentially, and follow the instructions in the order they are provided. After reading this guide you will be able to:

- Install and configure DDC Collector
- Configure data sources in Netwrix Auditor
- Install and configure DDC Provider
- Review Data Discovery and Classification reports

NOTE: The DDC Collector and DDC Provider work only in combination with supported Netwrix Auditor applications; so this guide covers a basic procedure for running the modules and assumes that you have Netwrix Auditor installed and configured in your environment. For installation scenarios, data collection options, as well as detailed information on how Netwrix Auditor works, refer to the following Quick-Start Guides, depending on your data source:

- Netwrix Auditor for Windows File Servers Quick-Start Guide
- Netwrix Auditor for EMC Quick-Start Guide
- Netwrix Auditor for NetApp Quick-Start Guide

1.1. Netwrix Auditor Overview

Netwrix Auditor is a visibility platform for user behavior analysis and risk mitigation that enables control over changes, configurations and access in hybrid IT environments to protect data regardless of its location. The platform provides security analytics to detect anomalies in user behavior and investigate threat patterns before a data breach occurs.

Netwrix Auditor includes applications for Active Directory, Azure AD, Exchange, Office 365, Windows file servers, EMC storage devices, NetApp filer appliances, SharePoint, Oracle Database, SQL Server, VMware, and Windows Server. Empowered with a RESTful API and user activity video recording, the platform delivers visibility and control across all of your on-premises or cloud-based IT systems in a unified way.

Major benefits:

- Detect insider threats—on premises and in the cloud
- Pass compliance audits with less effort and expense
- Increase productivity of IT security and operations teams

2. Netwrix Auditor Data Discovery and Classification Overview

Netwrix Auditor's Data Discovery and Classification provides complete visibility into where the sensitive files are, what content is inside them, who can access these files and who actually uses them. It empowers risk, compliance and data security officers and IT security pros to prioritize their efforts and secure data in accordance with its value or sensitivity. This functionality enables them to mitigate the risk of PII, PHI, PCI and IP being stored outside dedicated locations and apply controls and policies consistently and accurately, so their organization can ensure both data security and regulatory compliance.

Data Discovery and Classification allows organizations to identify, classify and secure sensitive data on Windows file servers, EMC storage devices and NetApp filer appliances.

Major benefits:

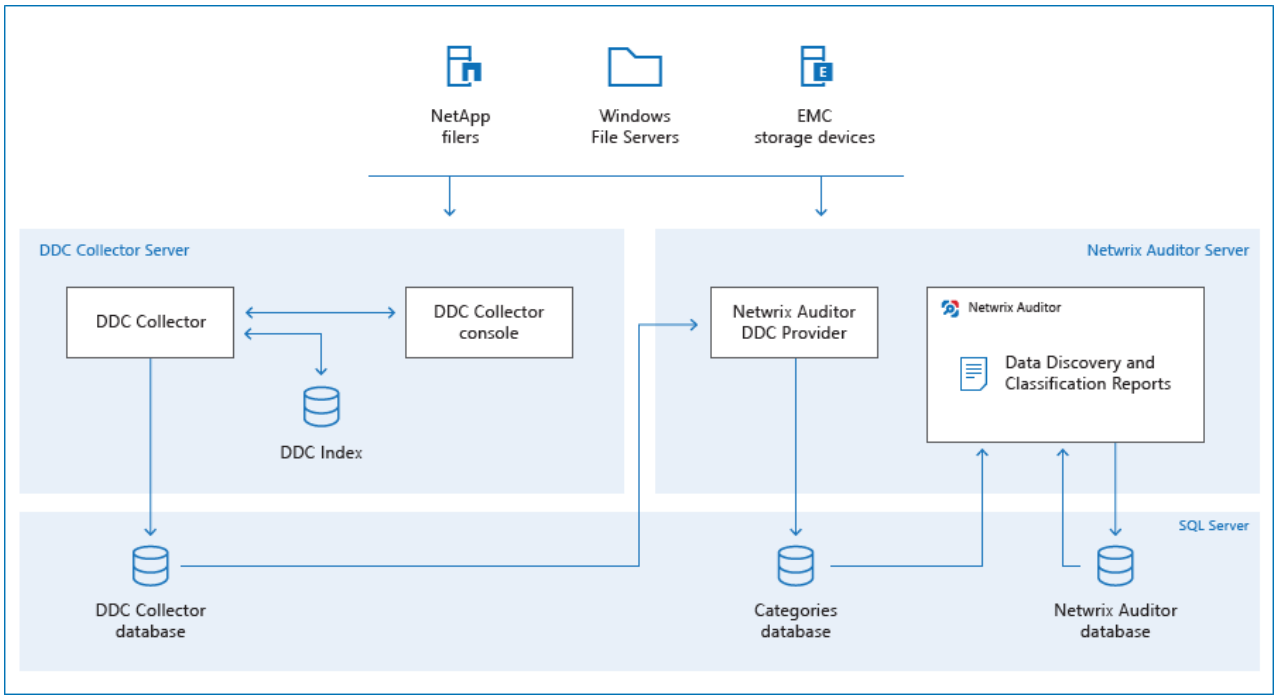
- Gain a high-level view of the sensitive data you store
- Discover sensitive data stored outside of a secure dedicated location
- Streamline regular attestations of access rights to sensitive data
- Detect unauthorized activity that might threaten your sensitive data

2.1. Compatibility Notice

DDC Collector is designed for Netwrix Auditor 9.5 (build 2591). Make sure to check your Netwrix Auditor version.

2.2. How It Works

The following diagram illustrates the typical deployment and data flows in Netwrix Auditor Data Discovery and Classification:



The **DDC Collector** is a data discovery and classification service that runs on a dedicated server. **DDC Collector** scans file repositories for supported file content and populates the **DDC Index**. The classification engine matches the indexed file content against predefined rules and patterns. Document classifications are stored to the **DDC Collector database**.

The **DDC Provider** service running on the Netwrix Auditor Server that reads classification results from the **DDC Collector database** and maps DDC Collector taxonomies to categories. The resulting list of objects and their classification categories is periodically transferred to the **Categories database**.

Netwrix Auditor merges data from the **Categories database** and other Netwrix Auditor databases (e.g. file server state-in-time data) to render **Data Discovery and Classification reports**.

3. DDC Collector

DDC Collector is a web-based configuration module designed to discover potentially sensitive documents and directories and classify them according to specific taxonomy clues.

3.1. Pre-Installation Checklist

This section contains the hardware and software requirements to flawlessly install DDC Collector.

Review the following for additional information:

- Hardware Requirements
- Software Requirements

3.1.1. Hardware Requirements

Netwrix strongly recommends installing Netwrix Auditor Data Discovery and Classification apart from Netwrix Auditor. Review the hardware requirements for the computer where DDC Collector is going to be installed.

NOTE: A single asterisk marks requirement for the resources SQL Server consumes. See To estimate disk space required for DDC Index files and DDC Collector for more information.

Hardware Component	Minimum requirements		Large environment (up to 8 m objects)	
	DDC Collector	SQL Server	DDC Collector	SQL Server
Processor	Any modern	Any multi-core	4 cores	8 cores
RAM	8 GB	16 GB	16 GB	64 GB

NOTE: Hardware requirements for SQL Servers listed in the table above apply to both SQL Server instances that host the **DDC Collector database** and **Categories database**.

To estimate disk space required for DDC Index files and DDC Collector

1. The **DDC Index** files require 35% of all data in the scope to be indexed. For example, if you have 45 GB of files, they require only 15 GB for the **DDC Index** files.
2. The **DDC Collector database** must be created on the separate SQL Server instance. Estimate required disk space assuming 10 KB per indexed document. For example, for 5 m objects, the database size is approximately 50 GB.

3.1.2. Software Requirements

The table below lists the software requirements for the DDC Collector installation:

Component	Requirements	
Operating system	Windows 2012 R2 and above Server Operating System Software.	
Windows Features	**Web Server Role (IIS)**	
	Common HTTP Features	• Default Document • HTTP Errors • Static Content • HTTP Redirection
	Security	• Anonymous Authentication **NOTE:** The **Anonymous Authentication** element is included in the default installation of IIS 7. Make sure you use IIS 7 and above. • Windows Authentication
	Application Development	• ISAPI Extensions • ISAPI Filters
	Other features	
	.NET Framework 4.6 Features	• .NET Framework 4.6 • ASP.NET 4.6
	WCF Services	• HTTP Activation
SQL Server	• SQL Server 2008 R2 Standard Edition (or later). **NOTE:** Required for DDC Collector database. See DDC Collector Database for more information.	
Microsoft IFilters	• Microsoft Office 2010 Filter Packs and above, 64-x edition.	
Visual Studio	• Visual C++ Redistributable Packages for Visual Studio 2015 and above.	

3.1.2.1. DDC Collector Database

DDC Collector uses Microsoft SQL Server database as data storage. You need to create a dedicated **DDC Collector database** on your SQL Server instance and configure it as shown below for the product to function properly. You can create the database manually—Using SQL Server Management Studio or Transact-SQL. Refer to the following Microsoft article for detailed instructions on how to create a new database: Create a Database.

NOTE: For performance purposes, Netwrix strongly recommends to separate DDC Collector and SQL Server machine.

To configure the DDC Collector database

NOTE: The account used to create the DDC Collector database must be granted the **dbcreator** server-level role.

1. On the computer where SQL Server instance with the **DDC Collector database** resides, navigate to **Start → All Programs → Microsoft SQL Server → SQL Server Management Studio**.
2. Connect to the server.
3. Locate the **DDC_Collector_Database**, right-click it and select **Properties**.
4. Select the **Files** page and set the **Initial Size (MB)** parameter for PRIMARY file group to **512 MB**.
5. Click  next to **PRIMARY** file group and set **Autogrowth / Maxsize** as follows:

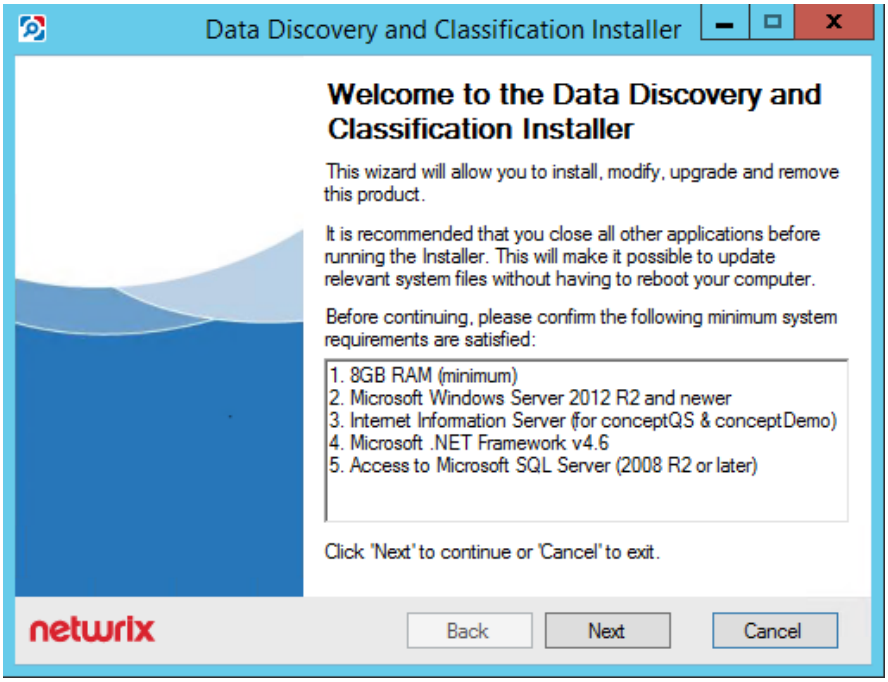
Option	Description
File Growth	• Recommended—**128 MB**. • Large environment— **512 MB**.
Maximum File Size	Select **Unlimited**.

6. Go to **Options** page and make sure that the **Recovery model** parameter is set to "*Simple*".

3.2. Install DDC Collector

NOTE: DDC Collector uses Microsoft SQL Server database as data storage. You need to create and configure the dedicated **DDC_Collector_database** on your SQL Server instance. Check that the database has been created prior to installation. Refer to DDC Collector Database for detailed instructions on how to configure the database.

1. Run **Netwrix_Auditor_DDC_Collector.exe**.



2. Review minimum system requirements and then read the License Agreement. Click **Next**.
3. On the **Product Settings** step, specify path to install DDC Collector. For example, *C:\Program Files\Netwrix DDC*.
4. On the **Configuration** step, provide the following data:
   - Unique name for your DDC Collector instance. For example, **Netwrix DDC**.
   - Directory where **Index files** reside. For example, *C:\Program Files\Netwrix DDC\DDC Index*.
5. On the **SQL Database** step, provide SQL Server database connection details. Complete the following fields:

Option	Description
Server Name	Provide the name of the SQL Server instance that hosts your DDC Collector database. For example, *"WORKSTATIONSQL\SQLSERVER"*.

Option	Description
Authentication Method	Select Windows or SQL Server authentication method.
Username	Specify the account name.
Password	Provide your password.
Database Name	Enter the name of the SQL Server database you created for DDC Collector. Netwrix recommends using **DDC_Collector_database** name.

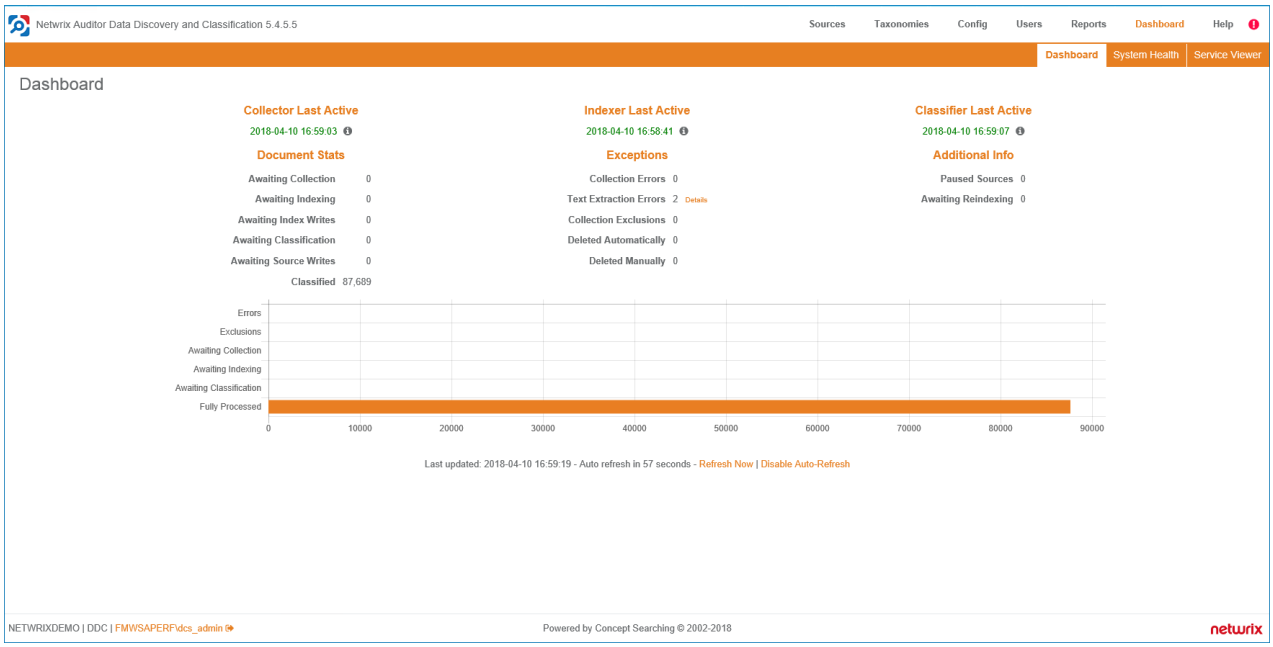
6. On the **Services** step, configure DDC Collector services:
   - Select all services to be installed.
   - **File System Path**—Provide a path to store DDC Collector's Services files. For example, *C:\Program Files\Netwrix DDC Services*.
   - Provide user name and password for the product services service account.
   - Select additional service options, if necessary.
7. On the **Pre-Installation Tasks and Checks** step, review your configuration and select **Install**.
8. When the installation completes, open a web browser and navigate to the following URL: *http://hostname/conceptQS* where **hostname** is the name or IP address of the computer where DDC Collector is installed.

3.3. Configure DDC Collector

This section contains basic procedures to configure DDC Collector to process your sensitive data. To start configuration procedures, launch DDC Collector console. DDC Collector console is the web-based multitasking console to work with DDC Collector.

To start DDC Collector console for the first time

1. In your web browser, navigate to the following URL: *http://hostname/conceptQS* where **hostname** is the name or IP address of the computer where DDC Collector is installed. . The following window appears:



Review the following for additional information:

- Add License
- Add Taxonomy
- Add Content Sources
- Review Dashboard
- Enable Optical Character Recognition

3.3.1. Add License

To start discovering your sensitive data with DDC Collector, you need to upload a license file. Once you completed Data Discovery and Classification downloading form, the license file is delivered by email you specified in the form.

NOTE: Make sure that you use a web browser with enabled browser scripting (for example, Google Chrome, Mozilla Firefox, etc.). Netwrix recommends do not use Internet Explorer while adding license to avoid incorrect license uploading. In any other configuration procedures, feel free to use any web browser.

To upload license for DDC Collector

1. In DDC Collector console, navigate to **Config** → **Settings** and expand the **System** node.
2. Locate the **License** section and select **Add** on the right.
3. In the **License details** dialog, drag and drop the license file in the **License** area.
4. When completed, the license is displayed in the list of available licenses and has the **Valid** status.

3.3.2. Add Taxonomy

Taxonomy is set of parameters to subsume concept of information for purpose of capture, management and presentation. For your convenience, DDC Collector goes with the following predefined taxonomies:

1. Personally identifiable information covering GDPR scope.
2. Medical records covering HIPAA scope.
3. Financial records and payment cards information covering GLBA and PCI DSS scope.

Each taxonomy contains a set of terms. You can add, edit and remove these terms using configuration rules (Clues). For evaluation purposes, you will be fine with the following types of clues:

- **Standard**—A single word or multi-word concept. Matched on a fuzzy basis with word stemming enabled. Use quotes around single words to disable stemming. Use double quotes around phrases to invoke exact phrase matching.
- **Case Sensitive**—A case sensitive phrase match clue.
- **RegEx**—A clue based on a Regular Expression.

Review the following for additional information:

- To upload default taxonomy
- To add custom taxonomy
- To manage taxonomies

To upload default taxonomy

1. In DDC Collector console, navigate to **Taxonomies** → **Global Settings**.
2. Navigate to **Loaded Taxonomies**, select **Add Taxonomies**.
3. Select the **Load XML file to SQL** option to import an XML file directly into the DDC Collector console; large taxonomies will be imported by the background services.

4. Browse for taxonomy XML file—the default taxonomies can be found in the **Netwrix_Auditor_Data_Discovery_and_Classification_Edition.zip** archive.
5. Select **Upload**.
6. In the **Add Termsets** dialog, select your taxonomies and click **Add Selected**.

To add custom taxonomy

1. In DDC Collector console, navigate to **Taxonomies→ Global Settings**.
2. Navigate to **Loaded Taxonomies**, select **Add Taxonomies**.
3. Select the **Load XML file to SQL** option to import an XML file directly into the DDC Collector console; large taxonomies will be imported by the background services.
4. Browse for your custom taxonomy file.
5. Select **Upload**.
6. In the **Add Termsets** dialog, select your taxonomies and click **Add Selected**.

To manage taxonomies

1. In DDC Collector console, navigate to **Taxonomies** and locate the taxonomy that you want to manage.

   NOTE: If your taxonomy does not have any terms yet, right-click the taxonomy and select **Add Child Term**. Specify one or several child terms—one term per line.

2. Expand the taxonomy and locate the desired term on the left pane. Review the following for additional information:

To...	Do...
Review predefined clues	Navigate to the **Clues** tab and review available default clues. Clues are used to describe the language found in documents that make them about a particular topic.
Suggest clues	1. Navigate to the **Suggest** tab and click **Suggest** to add new clues. 2. You can suggest a score for the clue and change its type.
Search collected and classified files	1. Navigate to the **Search** tab and enter search criteria in the **Find** field. 2. Click **Search** to view search results.
Review all files matching the taxonomy	1. Navigate to the **Browse** tab and review the list of files matching the selected taxonomy. 2. Select a file and click **Calculations** link to see how the

To...	Do...
	classification scores are calculated.

3.3.3. Add Content Sources

To start process your sensitive data, add content sources. All your content sources are listed in the **Content Sources** section.

To add a content source

1. In DDC Collector console, navigate to **Sources** → **Add** and select **Folder**.
2. Complete the following fields:

Option	Description
Folder	Enter the UNC path of the root folder where collection is to start. You can add either windows directories, or NetApp filer or EMC storage devices, to the index. **NOTE:** Specify equal UNC paths for both: in Netwrix Auditor and DDC Collector. Any actions made over data sources configured in different way or locally (e.g., *"C:\"*) are out of scope.
Username	Specify the account used to process the folder.
Password	Provide a password for the account specified above.
Include sub-folders	Select if you want to process data in sub-folders and set depth limit.
Allow anonymous access	This option is used to disable security filtering for selected sources. If unselected, the indexing processes will collect Windows Access Control Lists (ACLs) for the files and search results will be filtered based upon the end user"s Windows identity.
Enable duplicate detection	Select to exclude documents that contain the same text content from the index.
Write classifications	Netwrix recommends using default values.
Text patterns	Netwrix recommends using default values.
Re-Index Period	Specifies how often the source should be checked for changes. Netwrix recommends using default values.

Option	Description
Priority	Netwrix recommends using default values.
Max Collector Retries	Netwrix recommends using default values.
Document Type	Specify a value that can be used to restrict queries when utilising the DDC Collector search index.
Source Group	Netwrix recommends using default values.

3. Select **Index Folder** to start indexing process. You will see an information popup window on successful indexing.

3.3.4. Review Dashboard

Upon data classification completion, check your files processing progress. In DDC Collector console, navigate to the **Dashboards** section.

The default screen (Dashboard) shows a high level overview of Netwrix Auditor Data Discovery and Classification service statistics. You can review all processing stages of every component:

- Collector
- Indexer
- Classifier

NOTE: Wait until all files come to *"Classified"* state.

3.3.5. Enable Optical Character Recognition

Optical Character Recognition, or OCR, is a technology that enables you to convert different types of documents, such as scanned paper documents, PDF files and Microsoft Office documents with integrated images into editable and searchable data. By default, this option is disabled to avoid loss of performance. If you want to include images and scanned files to DDC Collector classification scope, configure the product to process optical characters.

Review the following for additional information:

To...	Do...
Convert stand-alone images	By default, DDC Collector supports .jpeg, .png, .tiff, and .bmp images. For the full list of supported content types, refer to Supported Content Types section. Do the following to add additional extensions:

To...	Do...
	1. In DDC Collector console, navigate to **Sources** → **File**. 2. Select **Filters** **Included** on the left and review default extensions. 3. If you do not have extensions yet, click **Add Inclusion** on the right pane to add desired extensions.
Convert documents with integrated images	1. In DDC Collector console, navigate to **Config** → **Settings** → **Core** → **Collector**. 2. Select the **Process Document Images** option.

The settings will be applied in an hour after configuration. If you want to start process images and documents earlier, navigate to the **Services** snap-in and restart the following services:

- conceptIndexer
- ConceptCollector
- conceptClassifier

NOTE: Make sure that DDC Collector does not process any files, otherwise service restart may fail data classification process.

4. Configure Data Sources in Netwrix Auditor

To see your sensitive data in Data Discovery and Classification reports, you need to create a monitoring plan in Netwrix Auditor and configure data sources. The following data sources are available:

- Windows File Servers
- EMC
- NetApp

Check your monitoring plan and items:

Option	Description
Item	Specify file shares that you want to process with DDC Collector. **NOTE:** Specify equal UNC paths for both: item in Netwrix Auditor and DDC Collector. Any actions made over data sources configured in different way or locally (e.g., *"C:\"*) are out of scope.
Additional options	1. Enable the **Collect data for state-in-time reports** option for each item that you want to process. 2. Enable the **Include details on effective permissions** option to review the following reports: • Most Accessible Sensitive Files and Folders • Overexposed Files and Folders • Sensitive Folder and File Permission Details

NOTE: Refer to the Create a New Plan section in **Netwrix Auditor Online Help Center** for detailed instructions on how to create a new monitoring plan.

5. DDC Provider

DDC Provider is the integration module used to deliver classified and indexed documents collected by DDC Collector to Netwrix Auditor and display them in reports.

5.1. Hardware and Software Requirements

DDC Provider and Netwrix Auditor must be installed on the same computer. Refer to the Requirements to Install Netwrix Auditor section in **Netwrix Auditor Online Help Center** for detailed list of hardware and software requirements.

5.2. Account Requirements

This section lists the requirements for the accounts used by DDC Provider. The accounts must be granted the following rights and permissions:

- A member of the **local Administrators** group on the computer where Netwrix Auditor Server and DDC Provider are installed.
- The **Database datareader** server role must be assigned to the account on the SQL Server instance where the **DDC Collector database** resides.
- The **dbcreator** server role must be granted on the SQL Server instance where **Categories database** resides.

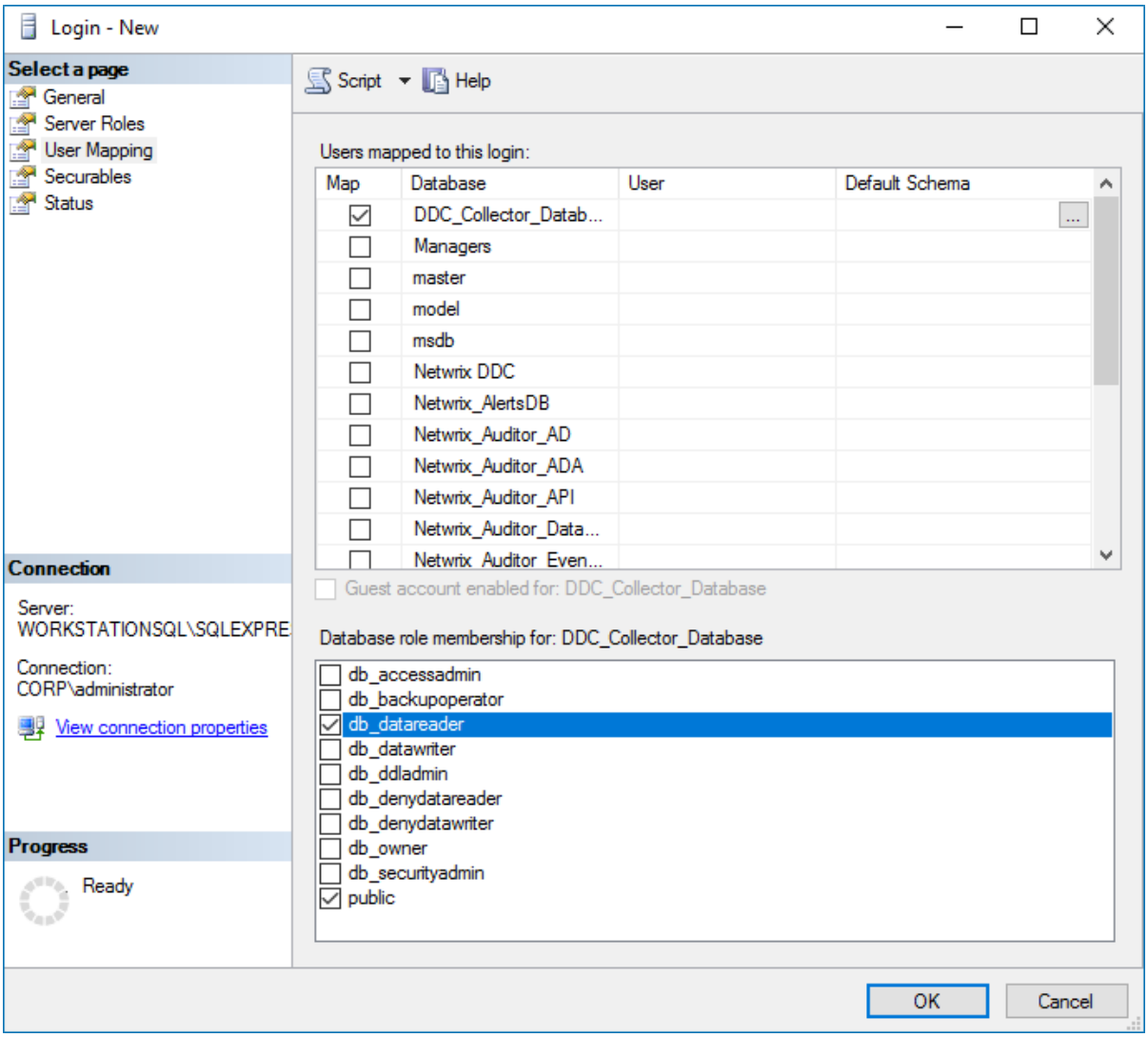
NOTE: Netwrix recommends using different accounts to connect to the SQL Server instances where **DDC Collector database** and **Categories database** reside.

Review the following for additional information:

- To assign the Database datareader server role
- To assign the dbcreator role

To assign the Database datareader server role

1. On the computer where SQL Server instance with **DDC_Collector_Database** resides, navigate to **Start → All Programs → Microsoft SQL Server → SQL Server Management Studio**.
2. Connect to the server.
3. In the left pane, expand the **Security** node. Right-click the **Logins** node and select **New Login** from the pop-up menu.



4. Select **User mapping** on the left and select the **DDC_Collector_database** for which you want to assign the role.
5. In the **Database role membership for: DDC_Collector_database** list, select the **db_datareader** role.

To assign the dbcreator role

1. On the computer where **Categories database** is going to be deployed, navigate to **Start → All Programs → Microsoft SQL Server → SQL Server Management Studio**.
2. Connect to the server.
3. In the left pane, expand the **Security** node. Right-click the **Logins** node and select **New Login** from the pop-up menu.
4. Provide the name for the new account.
5. Select **Server roles** on the left and assign the **dbcreator** role to the new login.

5.3. Install and Configure DDC Provider

1. On the computer where Netwrix Auditor is installed, unpack the **Netwrix_Auditor_DDC_Provider** archive to a desired location.
2. In the root directory, run the **setup.cmd** file.
3. Follow the prompts in the batch file as shown below:

Option	Description
Specify the name of the SQL Server instance that hosts DDC Collector database.	Provide the name of the SQL Server instance where **DDC Collector database** resides. See DDC Collector Database for more information.
Specify DDC Collector database name	Provide the name of the database you created for DDC Collector.
Authentication mode	Select Windows or SQL Server authentication method to connect to **DDC Collector database**.
Specify account to connect to the database	Specify the account name.
Specify password	Provide password for the account.
Confirm password	Confirm password.
Specify the name of the SQL Server instance that hosts Netwrix Auditor databases.	Provide the name of the Netwrix Auditor SQL Server instance.
Authentication mode	Select Windows or SQL Server authentication method to connect to Netwrix Auditor SQL Server instance.
Specify account to connect to the database	Specify the account name.
Specify password	Provide password for the account.
Confirm password	Confirm password.

4. Select **Enter** to exit the installation window.

6. Review Data Discovery and Classification Reports

NOTE: Re-open Netwrix Auditor if you handled it during DDC Provider installation.

In Netwrix Auditor, navigate to **Reports** → **Data Discovery and Classification** and select a report you are interested in and click **View**.

Data Discovery and Classification reports include the following groups:

- **Activity reports**—Provide information on changes to different aspects of the audited environment.
- **State-in-time reports**—Provide information on the system's state at a specific moment of time. They are based on the daily configuration snapshots, and reflect a particular aspect of the audited environment.

The table below lists the reports available for Data Discovery and Classification:

Report	Description
Activity reports	
Activity Related to Sensitive Files and Folders	This report lists all access attempts to files and folders that contain certain categories of sensitive data at the moment.
State-in-time reports	
Most Accessible Sensitive Files and Folders	This report shows the number of users that effectively have access to sensitive files or folders, sorted in descending order. Use this report to identify data at high risk and plan for corrective actions accordingly.
Overexposed Files and Folders	This report shows sensitive files and folders accessible by the specified users or groups, based on the combination of folder and share permissions. Use this report to identify data at high risk and plan for corrective actions accordingly.
Sensitive Files and Folders by Owner	This report shows ownership of files and folders that are stored in the specified file share and contain selected categories of sensitive data. Use this report to determine the owners of particular sensitive data.
Files and Folders Categories by Object	This report shows files and folders that contain specific categories of sensitive data. Use this report to see whether a specific file or folder contains sensitive data.
Sensitive Files Count by Source	This report shows the number of files that contain specific categories of

Report	Description
	sensitive data. Use this report to estimate amount of your sensitive data in each category, plan for data protection measures and control their implementation.
Sensitive File and Folder Permissions Details	This report shows permissions granted on files and folders that contain certain categories of sensitive data. Use this report to see who has access to a particular file or folder, via either group membership or direct assignment. Reveal sensitive content that has permissions different from the parent folder.

6.1. Leverage Filtering Capabilities

Report filters allow you to display changes matching certain criteria. For example, you can filter changes by source or object type. Filtering does not delete changes, but modifies the report view allowing you to see changes you are interested in. Filters can be found in the upper part of the **Preview Report** page.

To apply filters

1. Navigate to **Reports** and generate a report.
2. Apply filters to the report and click **View Report**. For example, you can update report timeframe, select specific values for *Who* and *Where*, apply sorting, etc.

Wildcards are supported. For example, type *%admin%* in the **Who (domain\user)** field if you want to view changes made by users with the name containing "administrator" (e.g., *enterprise\administrator, corp\administrator, sqladmin*).

Do not use % in the exclusive filters (e.g., *Who (Exclude domain\user)*). Otherwise, you will receive an empty report.

6.2. Subscribe to Report

Subscriptions enable you to schedule email delivery of a variety of reports. Subscriptions are helpful if you are a rare guest of Netwrix Auditor and you only need to get statistics based on individual criteria.

To create report subscription

1. On the main Netwrix Auditor page, navigate to **Reports**. Specify the report that you want to subscribe to and click **Subscribe**.
2. On the **Add Subscription to a Report** page, complete the following fields:

Option	Description
	General
Subscription name	Enter the name for the subscription.
Report name	You cannot edit report name.
Send empty subscriptions when no activity occurred	Slide the switch to **Yes** if you want to receive a report even if no changes occurred.

Specify delivery options	• **File format**—Configure reports to be delivered as the doc or xls files.
	• **File delivery**—Select one of the following:
	  • **Attach report to email**—Select this option to receive reports as email attachments.
	  The maximum size of the attachment file is 50 MB.
	  • **Upload to a file share**—Select this option to save reports on the selected file share. Click **Browse** to select a folder on the computer that hosts Netwrix Auditor Server or specify a UNC path to a shared network resource.
	  NOTE: Make sure that the recipients have sufficient rights to access it and the Long-Term Archive service account has sufficient rights to upload reports. Refer to the Configure Long-Term Account section in **Netwrix Auditor Online Help Center** for the full list of required account rights and permissions.
	• **File delivery**—Select report delivery method:
	  • **Attach report to email**—Select this option to receive reports as email attachments.
	  The maximum size of the attachment file is 50 MB. If the limit exceeded, the product creates a shared folder *"netwrix_ report_ subscriptions"* to upload the attachment. The attachment files will be available for 7 days. Check the subscription email to get the files.
	  • **Upload to a file share**—Select this option to save reports on the selected file share. Click **Browse** to

Option	Description
	select a folder on the computer that hosts Netwrix Auditor Server or specify a UNC path to a shared network resource.
	Other tabs
Recipients	Shows the number of recipients selected and allows specifying emails where reports are to be sent. Expand the **Recipients** list and click **Add Recipient** to add more recipients.
Schedule	Allows specifying report delivery schedule (daily, certain days of week, a certain day of a certain month). NOTE: By default, the product emails reports daily at 8.00 am.
Filters	Specify the report filters, which vary depending on the selected report.

7. System Health and Troubleshooting

This section provides instructions on how to troubleshoot issues that you may encounter while using DDC Collector. Review the following for additional information:

- System Health and Services
- Troubleshooting Issues

7.1. System Health and Services

Navigate to the **Dashboards** section to check Netwrix Auditor Data Discovery and Classification health state. Review the following for additional information:

Dashboard	Description
System Health	Review health statuses of every service. If an issue occurs, you can expand it and review details and suggested resolution.
Service Viewer	Shows real-time activity of all services. Once all work is complete “Idle ...” will be displayed. It is possible to use this to check which sources are currently being processed, as well as to ensure that the services are currently running.

7.2. Troubleshooting Issues

Issue	Resolution
DDC Collector installation completes with warnings.	On the computer where DDC Collector is installed, navigate to the **Services** snap-in and restart the following services manually: • conceptIndexer • ConceptCollector • conceptClassifier
The **Service Viewer** dashboard cannot load the **Indexer** service status.	
The **Classifier** service highlighted as inactive on the **Service Viewer** dashboard.	

8. Supported Content Types

The table below lists types of content and their default extensions supported out of the box.

Content type	Default extension
AIFF	.aiff
Archive	.zip
Bitmap	.bmp
CAD	.dwg
Compiled HTML	.chm
Dictionary / VTL	.vtl
Excel	.xls
Excel Xml	.xlsx
Exchange Mail	.eml
FLV	.flv
HTML	.html
Java Source	.java
JPEG	.jpg
Message	.msg
PDF	.pdf
PNG	.png
Powerpoint	.ppt
Powerpoint Xml	.pptx
Project	.mpp
Publisher	.pub
Rich Text	.rtf

Content type	Default extension
Text	.txt
Tiff	.tiff
Unknown	.tmp
Visio	.vsd
WAV	.wav
Word	.doc
Word Perfect	.wp
Word Xml	.docx
XML	.xml

9. Glossary

The table below contains basic glossary terms:

Term	Description	Map to Reports
Source	External system being processed.	Object path / UNC path
Taxonomy / Termset	Taxonomy is set of parameters to subsume concept of information for purpose of capture, management and presentation.	Category
Clues	Clues are used to describe the language found in documents that make them about a particular topic.	Not reflected in reports.
Class / Term	Synonymous, used to describe a node in a taxonomy / termset.	Not reflected in reports.

10. Related Documents

The table below lists all documents available to support Netwrix Auditor Data Discovery and Classification:

Document	Description
Netwrix Auditor Online Help Center	Gathers information about Netwrix Auditor from multiple sources and stores it in one place, so you can easily search and access any data you need for your business. Read on for details about the product configuration and administration, its security intelligence features, such as interactive search and alerts, and Integration API capabilities.
Netwrix Auditor Installation and Configuration Guide	Provides detailed instructions on how to install Netwrix Auditor, and explains how to configure your environment for auditing.
Netwrix Auditor Administration Guide	Provides step-by-step instructions on how to configure and use the product.
Netwrix Auditor Intelligence Guide	Provides detailed instructions on how to enable complete visibility with Netwrix Auditor interactive search, report, and alert functionality.
Netwrix Auditor Integration API Guide	Provides step-by-step instructions on how to leverage Netwrix Auditor audit data with on-premises and cloud auditing solutions using RESTful API.
Netwrix Auditor Release Notes	Lists the known issues that customers may experience with Netwrix Auditor 9.5, and suggests workarounds for these issues.