

Netwrix Effective Permissions Reporting Tool Quick-Start Guide

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1. Introduction

This guide is intended for the first-time users of Netwrix Effective Permissions Reporting Tool. 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:

- Start network scanning
- See how effective permissions are reported

1.1. Netwrix Effective Permissions Reporting Tool Overview

Netwrix Effective Permissions Reporting Tool is a freeware product that collects data on effective permissions for selected network resources.

Netwrix Effective Permissions Reporting Tool checks effective permissions granted to a user or group by providing a report on *who* has access to *what* across your Active Directory domain or shared folders/files.

2. System Requirements

This section lists the requirements for the target environments that are going to be audited with Netwrix Effective Permissions Reporting Tool, and for the computer where the product is going to be installed.

2.1. Requirements for Target Environments

The table below provides the requirements for the target environments that can be audited with Netwrix Effective Permissions Reporting Tool:

Target Environment	Supported Versions
Active Directory	<ul style="list-style-type: none"> Domain Controllers OS versions: Windows Server 2008 and above
Files and Shares	<ul style="list-style-type: none"> Desktop OS: Windows 7 (32 and 64-bit) and above Server OS: Windows Server 2008 and above

2.2. Requirements to Install Netwrix Effective Permissions Reporting Tool

This section provides the requirements for the computer where Netwrix Effective Permissions Reporting Tool is going to be installed.

Review the following for additional information:

- [Hardware Requirements](#)
- [Software Requirements](#)

2.2.1. Hardware Requirements

The table below lists the minimum hardware requirements for the Netwrix Effective Permissions Reporting Tool installation:

Hardware Component	Minimum	Recommended
Processor	Intel or AMD 32 bit, 2 GHz	Intel Core 2 Duo 2x or AMD 64 bit, 3GHz
RAM	512 MB	4 GB

Hardware Component	Minimum	Recommended
Disk Space	50 MB physical disk space	100 MB physical disk space
Screen resolution	1024 x 768	Screen resolution recommended by your screen manufacturer.

2.2.2. Software Requirements

The table below lists the minimum software requirements for the Netwrix Effective Permissions Reporting Tool installation:

Component	Requirements
Operating system	<ul style="list-style-type: none"> Desktop OS: Windows 7 (32 and 64-bit) and above Server OS: Windows Server 2008 R2 and above
Framework	<ul style="list-style-type: none"> .Net Framework 3.5 SP1

2.3. Deployment Options

The table below provides recommendations on how best to deploy Netwrix Effective Permissions Reporting Tool:

Install on...	To check effective permissions for...
Any computer that belongs to the monitored Active Directory domain or trusted domain	<ul style="list-style-type: none"> Domains, OUs, etc. Domain users and groups Shared folders/files

3. Configure Rights And Permissions

To ensure successful network resources scanning, the account used by Netwrix Effective Permissions Reporting Tool to collect audit data from the monitored domain or shared folders/files must comply with the following requirements:

To check the effective permissions for...	Required Permissions
Users, Active Directory objects (domains, OUs, etc.)	<ul style="list-style-type: none"> • Read all properties • List contents • Read permissions
Shared folders/files (based on share permissions)	<ul style="list-style-type: none"> • Member of the local Administrators group on the computer where the target shared folder/file is located.
Shared folders/files (based on the NTFS permissions)	<ul style="list-style-type: none"> • List folder contents • Read permissions

Perform the following procedures:

- [Configure Account to Scan Permissions on Active Directory Objects](#)
- [Configure Account to Scan Permissions on Shared Files and Folders](#)

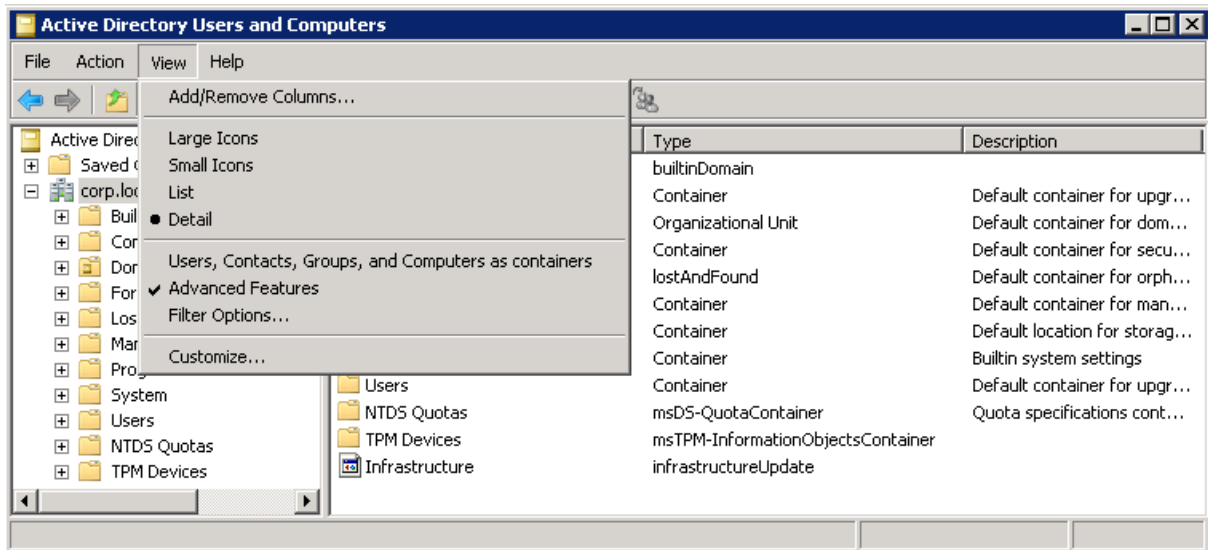
3.1. Configure Account to Scan Permissions on Active Directory Objects

Perform the following procedures:

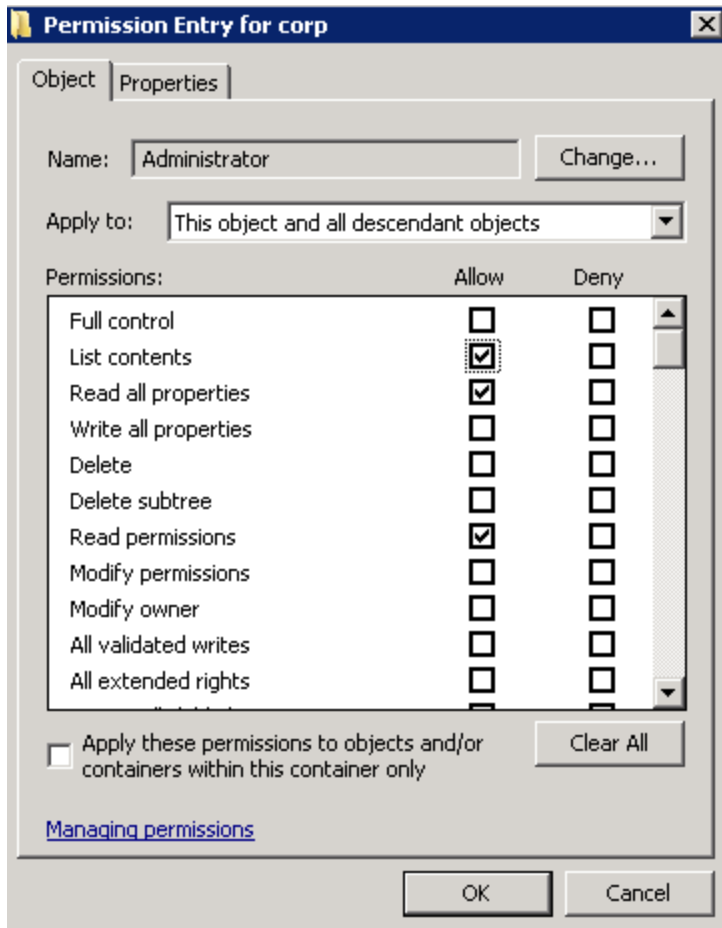
- [To configure account to scan permissions on AD objects on pre-Windows Server 2012 versions](#)
- [To configure account to scan permissions on AD objects on Windows Server 2012 and above](#)

To configure account to scan permissions on AD objects on pre-Windows Server 2012 versions

1. Open the **Active Directory Users and Computers** console on any domain controller in the target domain: Navigate to **Start** → **Administrative Tools** → **Active Directory Users and Computers**.
2. In the **Active Directory Users and Computers** dialog, click **View** in the main menu and ensure that the **Advanced Features** are enabled.



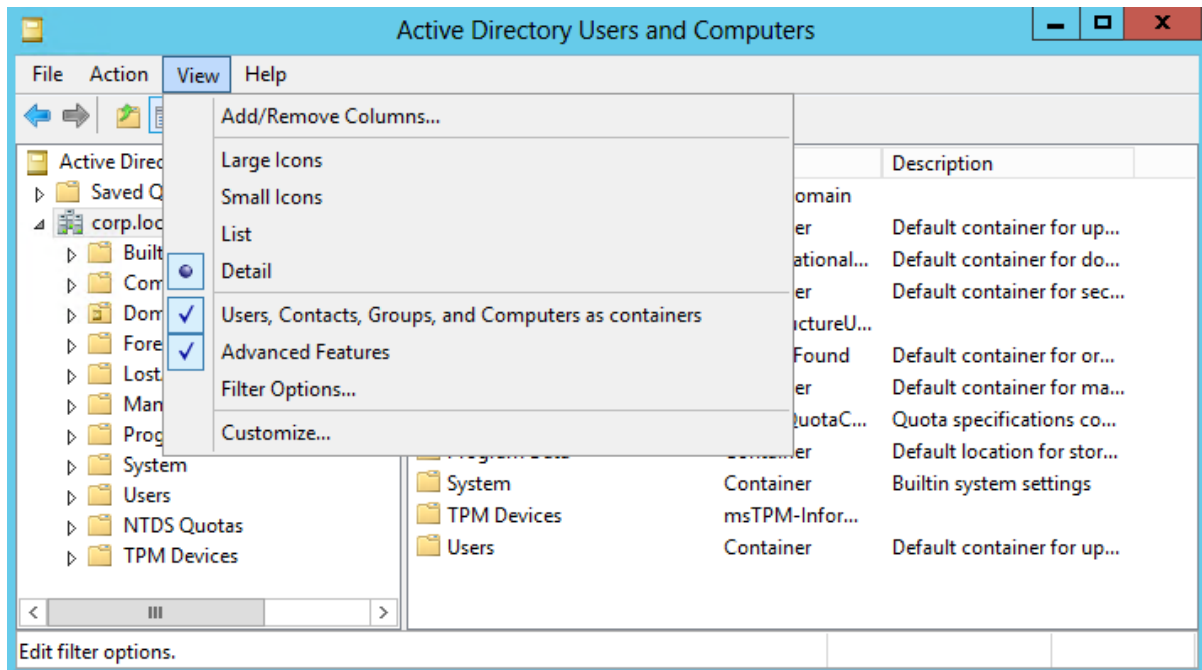
3. Right-click the Active Directory object for which you want to be able to check effective permissions and select **Properties**. Select the **Security** tab and click **Advanced**.
4. In the **Advanced Security Settings for <Object_Name>** dialog, click **Add**.
5. In the **Select user, Computer, Service account, or Group** dialog, type the name of the account or group you want to be able to check effective permissions.
6. In the **Permission Entry for <Object_Name>** dialog, set the "Allow" flag next to the following options:
 - List contents
 - Read all properties
 - Read permissions



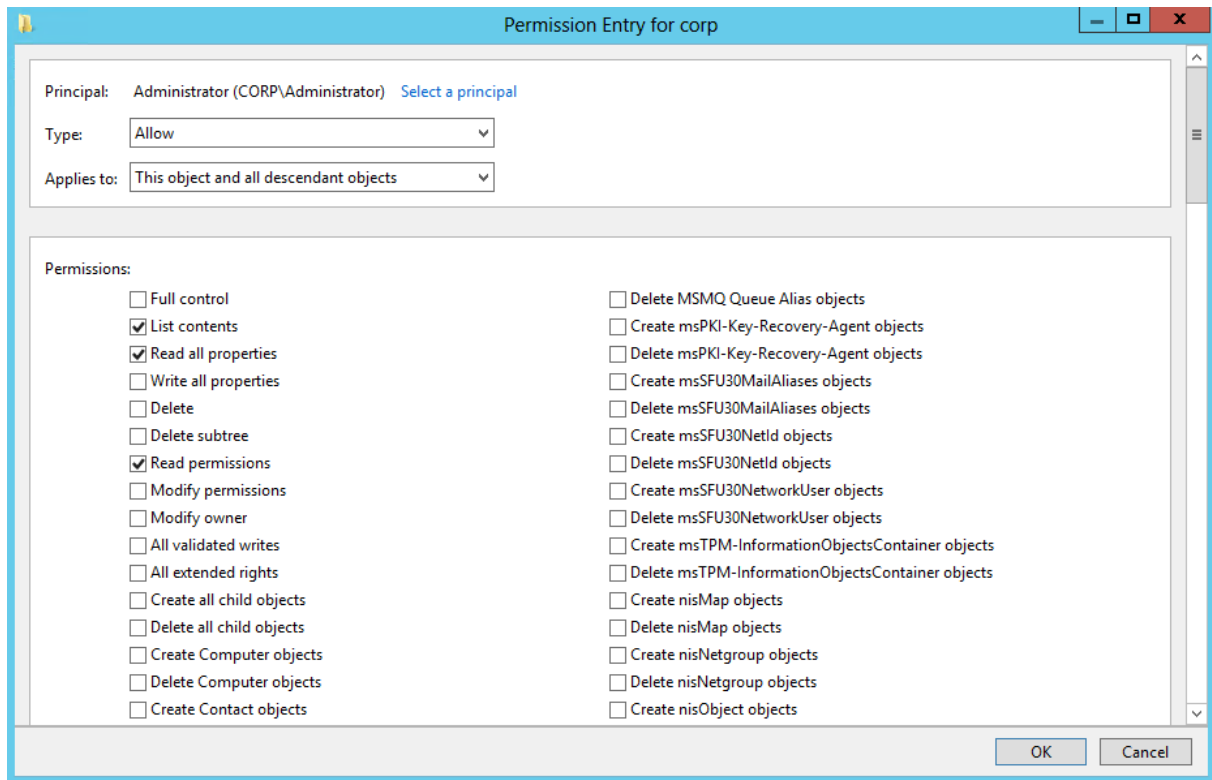
NOTE: Make sure that **Apply onto** is set to *"This object and all descendant objects"*, and **Apply these auditing entries to objects and/or containers within this container only** is cleared.

To configure account to scan permissions on AD objects on Windows Server 2012 and above

1. Open the **Active Directory Users and Computers** console on any domain controller in the target domain: Navigate to **Start** → **Administrative Tools** → **Active Directory Users and Computers**.
2. In the **Active Directory Users and Computers** dialog, click **View** in the main menu and ensure that the **Advanced Features** are enabled.



3. Right-click the Active Directory object for which you want to check effective permissions and select **Properties**. Select the **Security** tab and click **Advanced**.
4. In the **Advanced Security Settings for <object name>** dialog, click **Add**.
5. In the **Permission Entry for <Object_Name>** dialog, click **Select a Principal** link .
6. In the **Select user, Computer, Service account, or Group** dialog, type the name of an account or group you want to be able to check effective permissions.



- Set **Type** to "Allow" and **Applies to** to "This object and all descendant objects". Under **Permissions**, select the *List Contents*, *Read all properties* and *Read permissions* checkboxes.

3.2. Configure Account to Scan Permissions on Shared Files and Folders

Perform the following procedures:

- [Configure Account to Scan NTFS Permissions on Shared Files and Folders](#)
- [Configure Account to Scan Share Permissions on Shared Files and Folders](#)

3.2.1. Configure Account to Scan NTFS Permissions on Shared Files and Folders

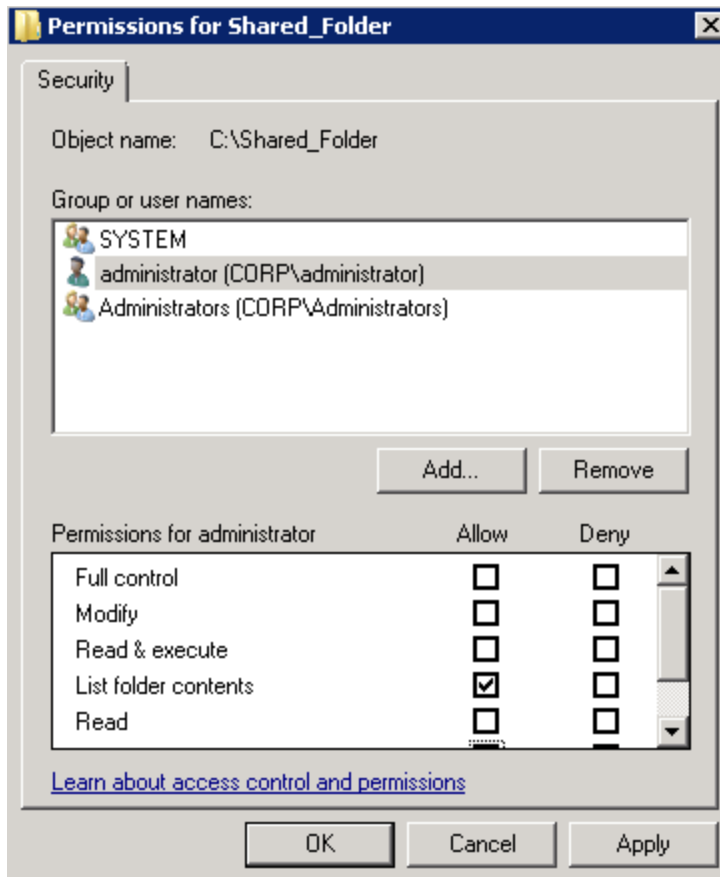
Do one of the following depending on the OS:

- [To configure account to scan NTFS permissions on pre-Windows Server 2012 versions](#)
- [To configure account to scan NTFS permissions on Windows Server 2012 and above](#)

To configure account to scan NTFS permissions on pre-Windows Server 2012 versions

- *To grant the List Folder Content permission on pre-Windows Server 2012 versions*

1. Navigate to the target shared folder/file, right-click it and select **Properties**.
2. In the <Share_Name> Properties dialog, select the **Security** tab and click **Edit**.
3. In the **Permissions for <Share_Name>** dialog, click **Add** to add an account or group you want to be able to check effective permissions.

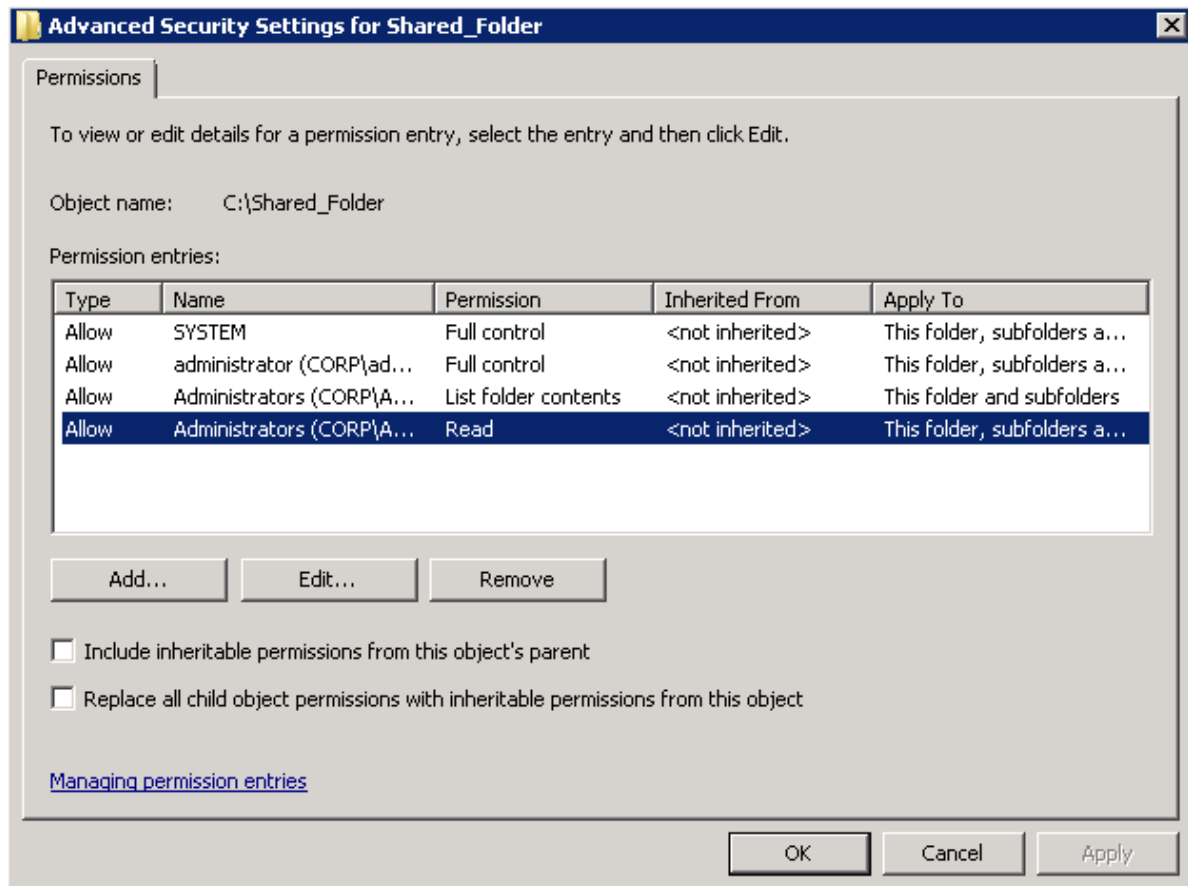


4. Locate the newly added account or group and set the "Allow" flag next to the following options:

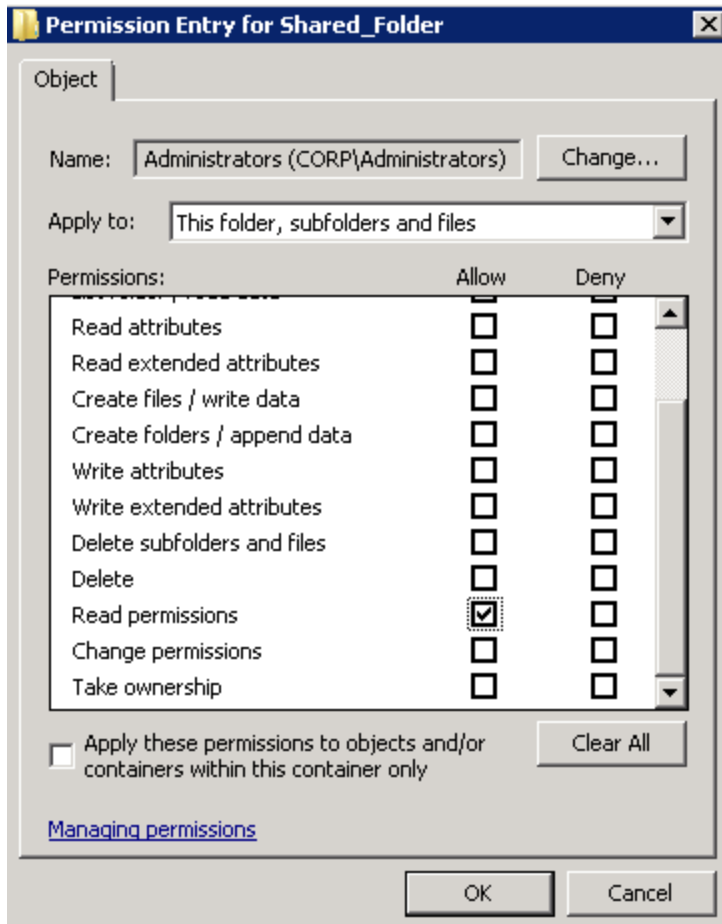
- List folder contents

- *To grant Read Permissions on pre-Windows Server 2012 versions*

1. Navigate to the target shared folder/file, right-click it and select **Properties**.
2. In the <Share_Name> Properties dialog, select the **Security** tab and click **Advanced**.
3. In the **Advanced Security Settings for <Share_Name>** dialog, click **Change Permissions**.



4. Click **Add** to add an account or group you want to be able to check effective permissions.
5. In the **Select user, Computer, Service account, or Group** dialog, type the name of the account or group you want to be able to check effective permissions.
6. In the **Permissions Entry for <Share_Name>** dialog, set the "Allow" flag next to the following options:
 - Read permissions

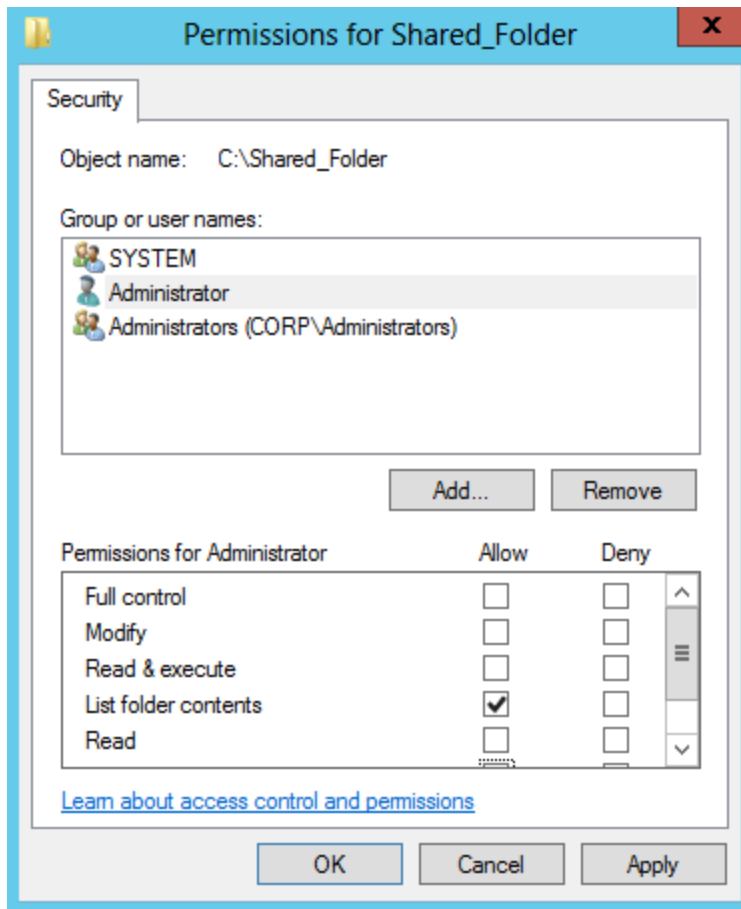


NOTE: Make sure that **Apply to:** is set to *"This folder, subfolders and files"*, and **Apply these auditing entries to objects and/or containers within this container only** is cleared.

To configure account to scan NTFS permissions on Windows Server 2012 and above

- *To grant the List Folder Content permission on Windows Server 2012 and above*

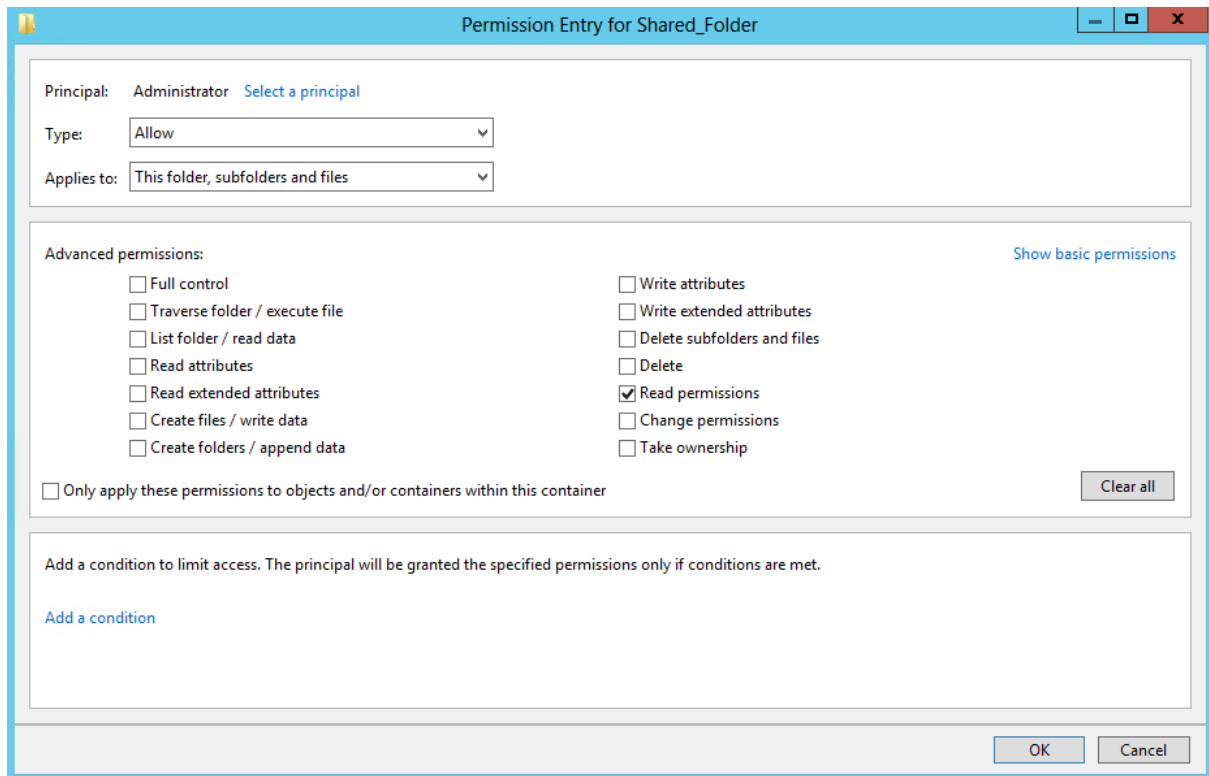
1. Navigate to the target shared folder/file, right-click it and select **Properties**.
2. In the <Share_Name> **Properties** dialog, select the **Security** tab and click **Edit**.
3. In the **Permissions for <Share_Name>** dialog, click **Add** to add an account or group you want to be able to check effective permissions.



4. Locate the newly added account or group and set the "Allow" flag next to the following options:
 - List folder contents

- *To grant Read Permissions on Windows Server 2012 and above*

1. Navigate to the target shared folder/file, right-click it and select **Properties**.
2. In the <Share_Name> Properties dialog, select the **Security** tab and click **Advanced**.
3. In the **Advanced Security Settings for <Share_Name>** dialog, click **Add**.
4. In the **Permission Entry for <Share_Name>** dialog, click the **Select a principal** link.
5. In the **Select user, Computer, Service account, or Group** dialog, type the name of an account or group you want to be able to check effective permissions.
6. In the **Permission Entry for <Share_Name>** dialog, click **Advanced**.



7. Set Type to "Allow" and **Applies to** to "This folder, subfolders and files". Under **Permissions**, select the *Read permissions* checkbox.

NOTE: Make sure that the **Only apply these auditing settings to objects and/or containers within this container** checkbox is cleared.

3.2.2. Configure Account to Scan Share Permissions on Shared Files and Folders

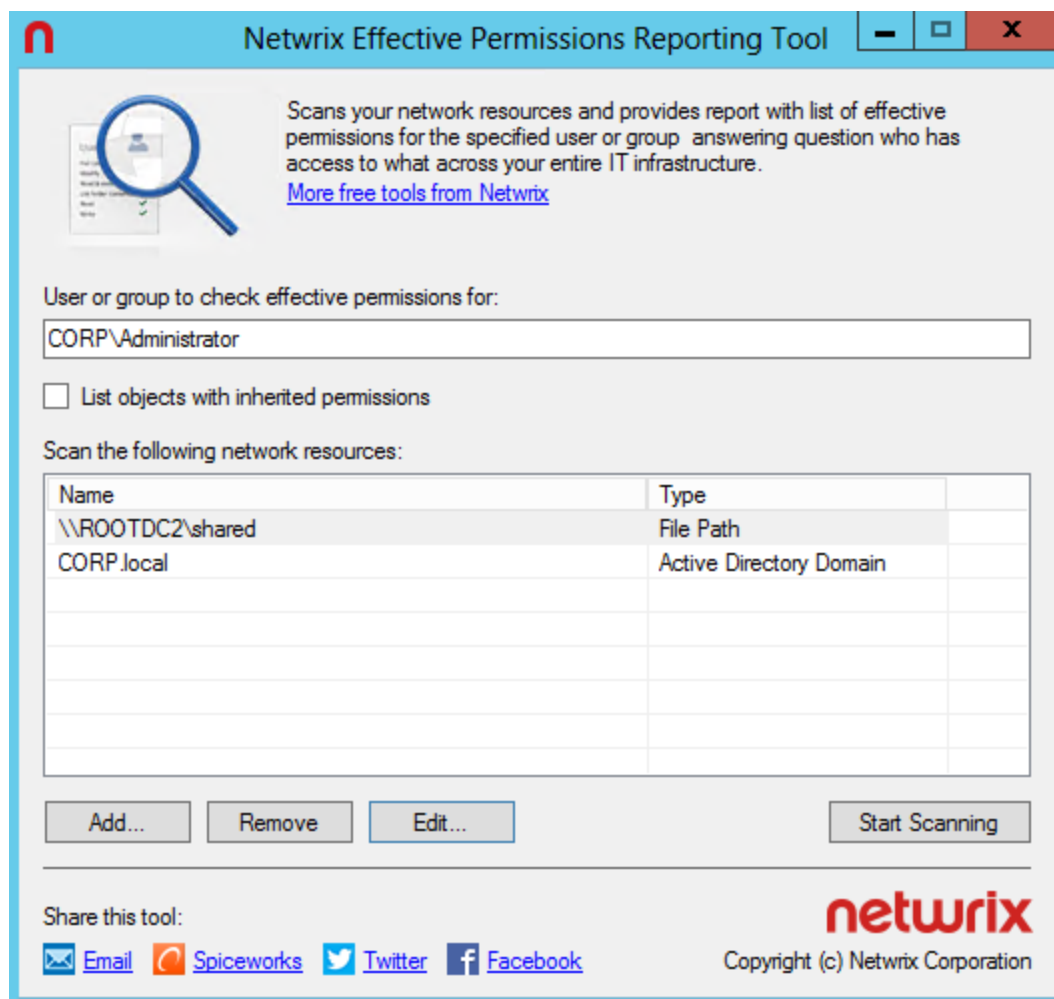
To ensure successful scanning your shared folder/file, the account used by Netwrix Effective Permissions Reporting Tool to check permissions must be a member of the **local Administrators** group on the computer where the target shared folder/file is located.

4. Start Using Netwrix Effective Permissions Reporting Tool

To start collecting data on your IT Infrastructure, you must configure Netwrix Effective Permissions Reporting Tool.

1. Run the installation package.

NOTE: To invoke Netwrix Effective Permissions Reporting Tool again, navigate to the %Netwrix Effective Permissions Reporting Tool installation folder% and click on the product icon.

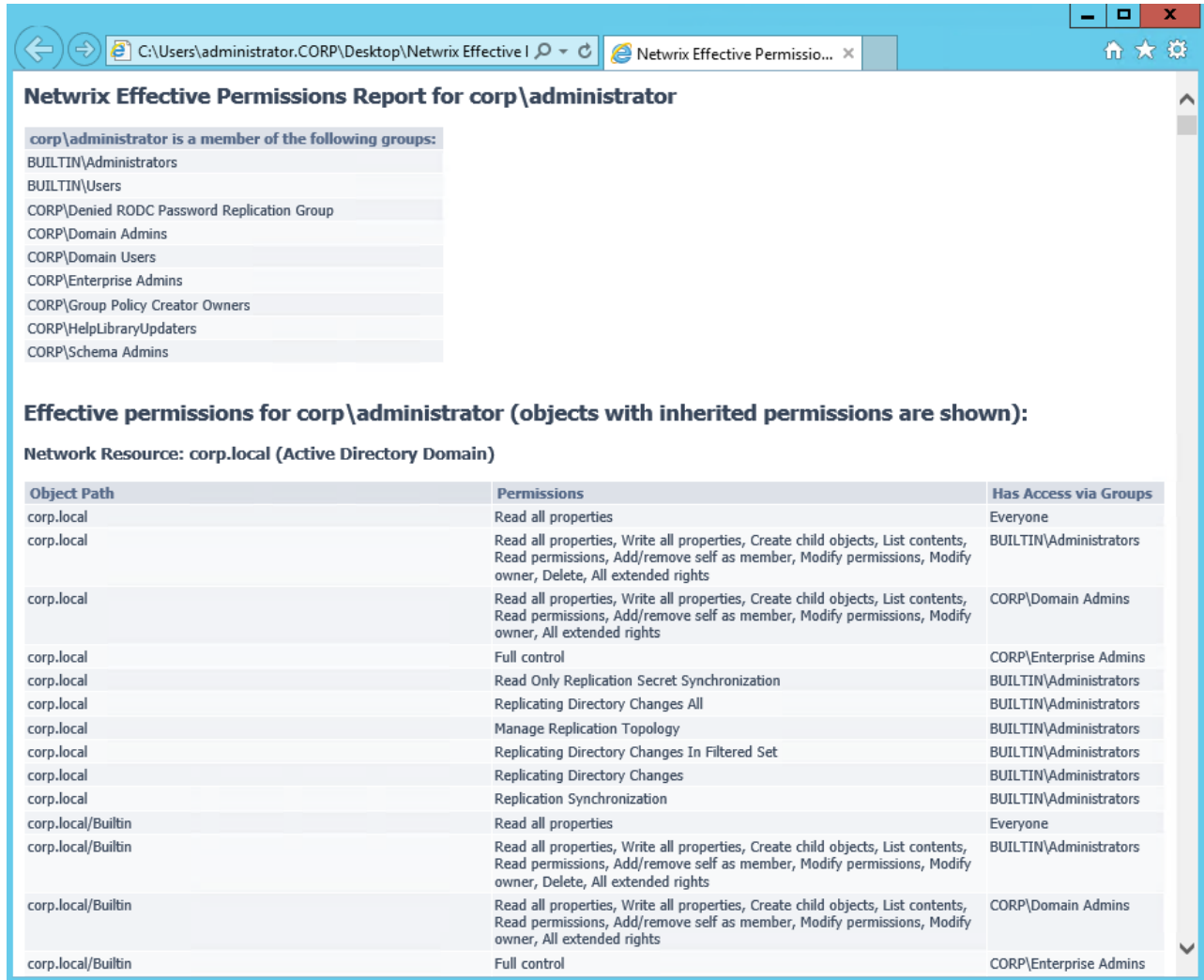


2. Complete the following fields:

Option	Description
User or group to check effective permissions for:	Specify a user name or group name for whom you want to check effective permissions in the <i>DOMAIN\user</i> format.
List objects with inherited permissions	Enable the checkbox to include objects with inherited permissions to the report.
	<p>NOTE: Refer to the Windows Server TechCenter article for more information: Inherited Permissions.</p>
Scan the following network resources:	<ol style="list-style-type: none"> 1. Click Add. 2. In the Specify Network Resource dialog, select one of the following: <ul style="list-style-type: none"> • Active Directory—Provide the audited Active Directory object name (domain, OU, etc.) in the FQDN format, e.g. CORP.local. In the screenshot above, the report on effective permissions granted to the CORP\Administrator user for the CORP.local domain will be shown. • File Path—Provide the UNC file path, e.g. \\ROOTDC2\shared. In the screenshot above, the report on effective permissions granted to the CORP\Administrator user for the \\ROOTDC2\shared file share will be shown. 3. Click Start scanning to launch data collection. 4. In the Save Effective Permissions Report dialog that opens, specify the name of the new report and select its location. The report file will be saved in the HTML format and displayed in a default web browser. 5. In the Netwrix Effective Permissions Reporting Tool dialog, click OK to save the report.

5. See How Effective Permissions Are Reported

After the data collection has completed, see how effective permissions are reported by the product. This section explains how to review the Effective Permissions Report.



The example report provides the following information:

Parameter	Description
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Netwrix Effective Permissions Report for <User_Name>

<User_Name> is a member of the following groups: The list of Active Directory groups where the user belongs to.

Parameter	Description
Effective permissions for <User_Name> (objects with inherited permissions are shown/hidden)	
Network Resource: <Resource_Name>	The name of the network resource: Active Directory domain or File Path .
Object Path	<ul style="list-style-type: none">• When Active Directory domain selected: Active Directory object (the audited OU, container within a domain, domain user, etc.) name in the FQDN format.• When Files and Shares selected: the UNC file path.
Permissions	Contains a list of effective permissions granted to groups which are shown in the Has Access via Groups column for the selected network resource.
Has Access via Groups	The list of Active Directory groups where the user belongs to with effective permissions for the selected network resource.