

# LepideAuditor Suite

## What's new in LepideAuditor Suite 16.2?

This document explains the features of newly released version 16.2.

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# 1. Introduction

Welcome to What's New document of LepideAuditor Suite.

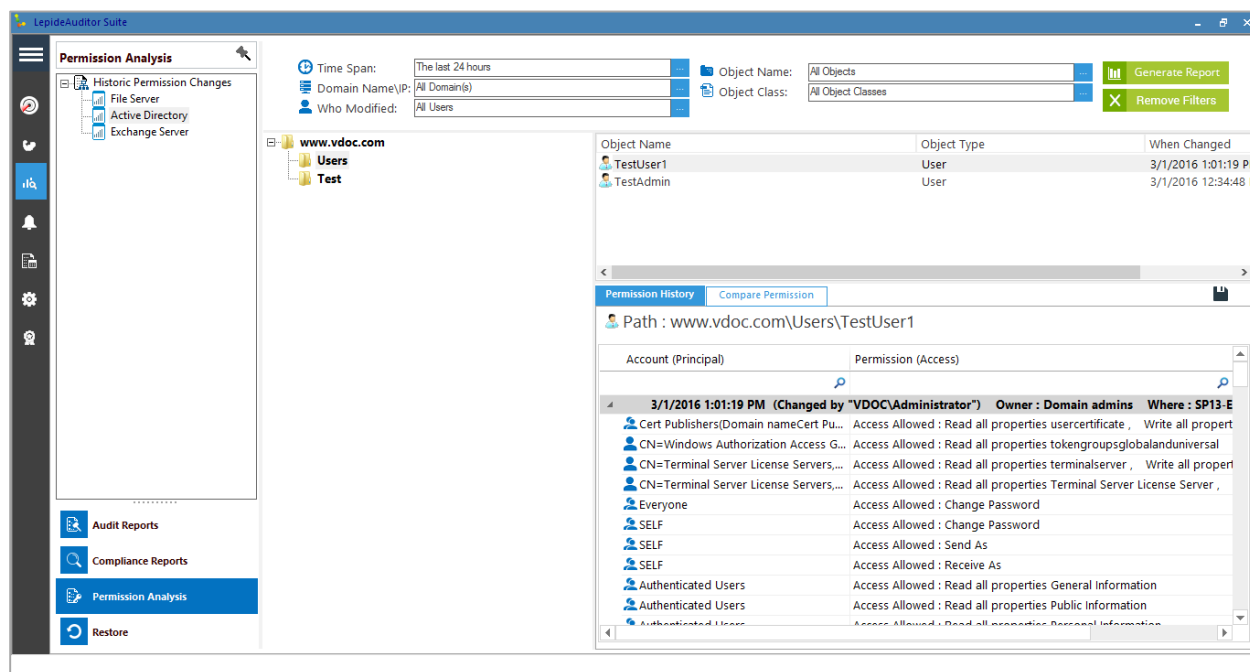
It explains the new additions and enhanced features that are introduced in the newly released version 16.2 of LepideAuditor Suite.

## 2. New Additions

Following are the new additions in LepideAuditor Suite 16.2.

### 2.1 Active Directory Permission Analysis

Permission Analysis for Active Directory has been added. It displays the historical changes in the permissions of objects. The administrator can also compare the permissions for the selected objects between two date and time intervals.



The screenshot displays the LepideAuditor Suite interface for Active Directory Permission Analysis. The left sidebar shows navigation options: Audit Reports, Compliance Reports, Permission Analysis (selected), and Restore. The main window shows a tree view of the domain **www.vdoc.com** with **Users** and **Test** folders. The **Test** folder is expanded, showing **TestUser1** and **TestAdmin**. The **TestUser1** object is selected, and its permission history is displayed in a table. The table has columns for **Account (Principal)** and **Permission (Access)**. The history shows a change on **3/1/2016 1:01:19 PM** by **VDOC\Administrator** for **Domain admins** at **SP13-E**. The permissions listed include:

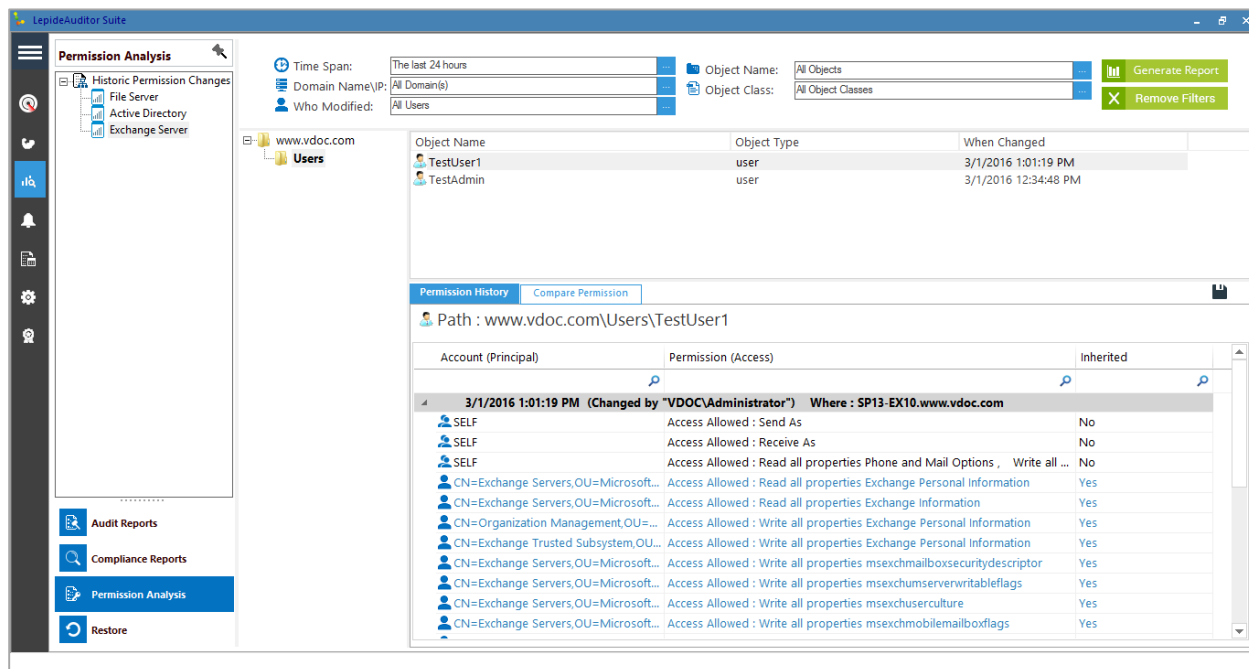
Account (Principal)	Permission (Access)
Cert Publishers(Domain nameCert Pu...	Access Allowed : Read all properties usercertificate , Write all propert
CN=Windows Authorization Access G...	Access Allowed : Read all properties tokengroupsglobalanduniversal
CN=Terminal Server License Servers...	Access Allowed : Read all properties terminalserver , Write all propert
CN=Terminal Server License Servers...	Access Allowed : Read all properties Terminal Server License Server ,
Everyone	Access Allowed : Change Password
SELF	Access Allowed : Change Password
SELF	Access Allowed : Send As
SELF	Access Allowed : Receive As
Authenticated Users	Access Allowed : Read all properties General Information
Authenticated Users	Access Allowed : Read all properties Public Information
Authenticated Users	Access Allowed : Read all properties Personal Information

Figure 1: Active Directory Permission Analysis



## 2.2 Exchange Server Permission Analysis

Permission Analysis for Exchange Server has been added. It displays the historical changes in the permissions of objects. The administrator can also compare the permissions for the selected objects between two date and time intervals.



The screenshot shows the 'Permission Analysis' tool in the LepideAuditor Suite. The interface includes a sidebar with navigation options like Audit Reports, Compliance Reports, Permission Analysis, and Restore. The main area displays a 'Permission Analysis' window with filters for Time Span, Domain Name, Object Name, and Object Class. Below the filters, there is a table showing object names and their change times. A 'Permission History' section is also visible, showing a detailed list of permissions for a specific user (TestUser1) at a specific time (3/1/2016 1:01:19 PM).

Object Name	Object Type	When Changed
TestUser1	user	3/1/2016 1:01:19 PM
TestAdmin	user	3/1/2016 12:34:48 PM

Account (Principal)	Permission (Access)	Inherited
<b>3/1/2016 1:01:19 PM (Changed by "VDOC\Administrator") Where : SP13-EX10.www.vdoc.com</b>		
SELF	Access Allowed : Send As	No
SELF	Access Allowed : Receive As	No
SELF	Access Allowed : Read all properties Phone and Mail Options , Write all ...	No
CN=Exchange Servers,OU=Microsoft...	Access Allowed : Read all properties Exchange Personal Information	Yes
CN=Exchange Servers,OU=Microsoft...	Access Allowed : Read all properties Exchange Information	Yes
CN=Organization Management,OU=...	Access Allowed : Write all properties Exchange Personal Information	Yes
CN=Exchange Trusted Subsystem,OU=...	Access Allowed : Write all properties Exchange Personal Information	Yes
CN=Exchange Servers,OU=Microsoft...	Access Allowed : Write all properties msexchmailboxsecuritydescriptor	Yes
CN=Exchange Servers,OU=Microsoft...	Access Allowed : Write all properties msexchserverwritableflags	Yes
CN=Exchange Servers,OU=Microsoft...	Access Allowed : Write all properties msexchuserculture	Yes
CN=Exchange Servers,OU=Microsoft...	Access Allowed : Write all properties msexchmobilemailboxflags	Yes

Figure 2: Exchange Server Permission Analysis

## 2.3 Archiving of Permission Analysis Records

Records of Permission Analysis for Active Directory, Exchange Server, and File Server are stored in their respective databases, which stores their auditing logs. These records will now be archived whenever an archive of the databases is initiated.

## 2.4 "Apply to" Column in File Server Permission Analysis

A new column "Apply to" has been added to the "Permission History" and "Compare Permission" reports of File Server Permission Analysis. It displays the scope of the permission.



Account	Permission	Inherited	Apply To
<b>2/11/2016 2:50:44 PM (Changed by "VDOC\Administrator") Owner : BUILTIN\Administrators Where : W8TESTING64-PC</b>			
BUILTIN\Administrators	Full Control	Yes	This Object only
NT AUTHORITY\SYSTEM	Full Control	Yes	This Object only
BUILTIN\Administrators	Full Control	Yes	This Object only
VDOC\Administrator	Full Control	Yes	This Object only
Everyone	Read & execute	Yes	This Object only
VDOC\Administrator	Full Control	Yes	This Object only
Everyone	Read & execute	Yes	This Object only
NT AUTHORITY\SYSTEM	Full Control	Yes	This Object only
<b>2/11/2016 3:17:14 PM (Changed by "VDOC\Administrator") Owner : BUILTIN\Administrators Where : W8TESTING64-PC</b>			
NT AUTHORITY\SYSTEM	Full Control	Yes	This Object only
BUILTIN\Administrators	Full Control	Yes	This Object only

Figure 3: "Apply to" column in Permission History Report

## 2.5 Save Permission Analysis Report

In Permission Analysis of File Server, Active Directory, and Exchange Server, you can save separate reports of both "Permission History" and "Compare Permission". These reports can be saved as PDF, MHT or CSV files on the disk.

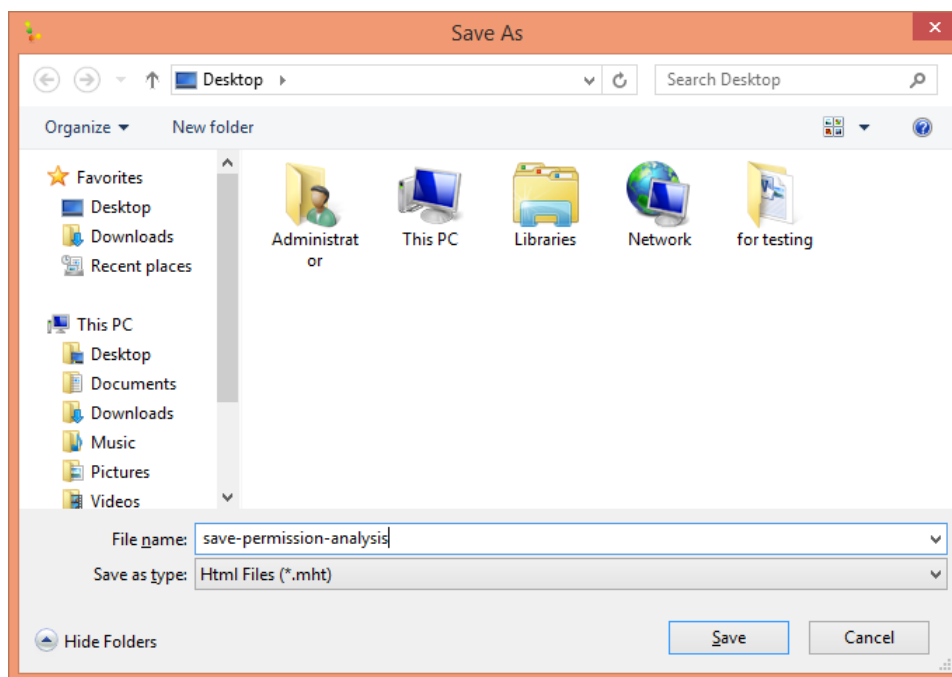


Figure 4: Save Permission Analysis Report

## 2.6 Option to Audit All but excluding Selected Object Classes

A new option to customize the auditing of Object Classes while adding or modifying the domain has been added. It lets you select audit all but excluding the selected Object Classes.

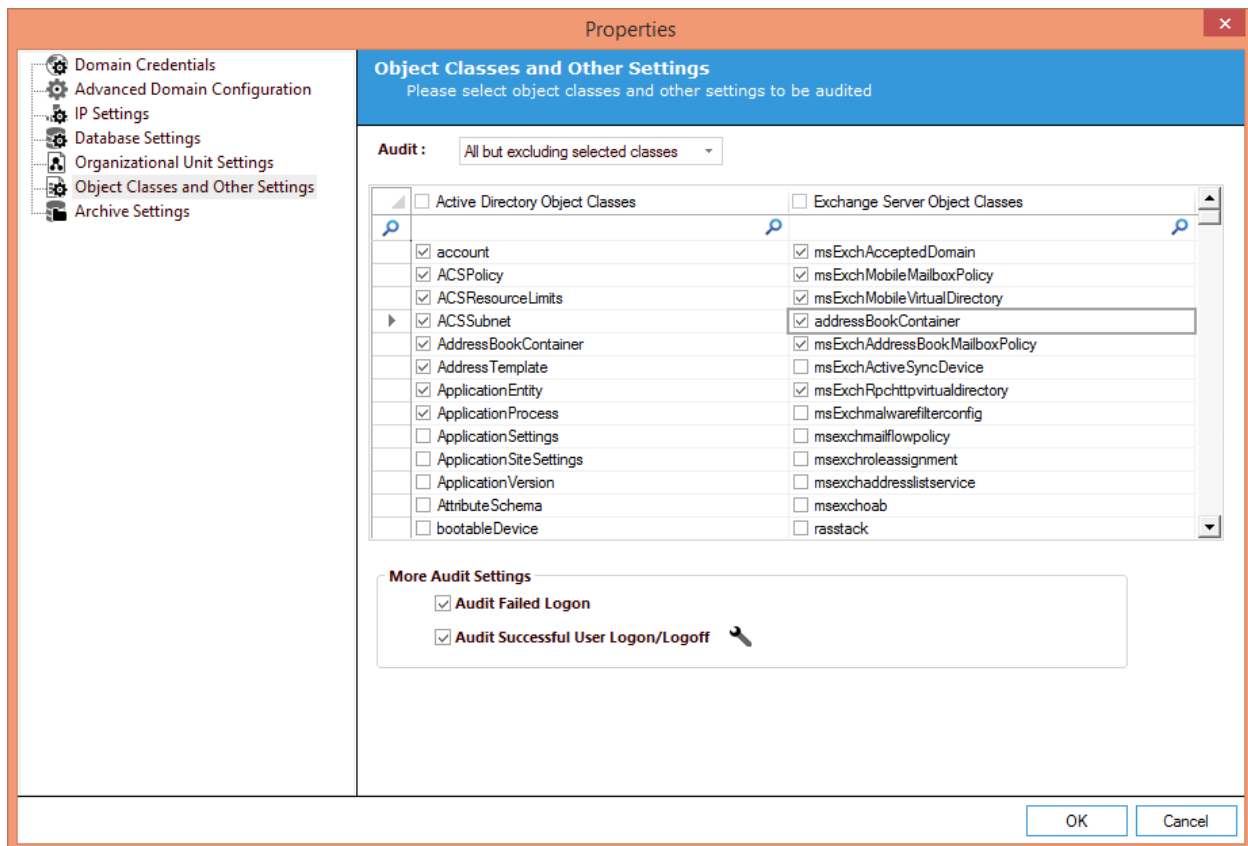


Figure 5: Displaying newly added option

Here, the selected object classes will not be audited. It helps the Administrator to select what classes has to be excluded from the auditing.

### 3. Enhancements

Following features are enhanced in this new version.

#### 3.1 Improved Report Filters

In addition to use the list of column filter, you can also right-click anywhere in the blank space of the filter section to add a filter.

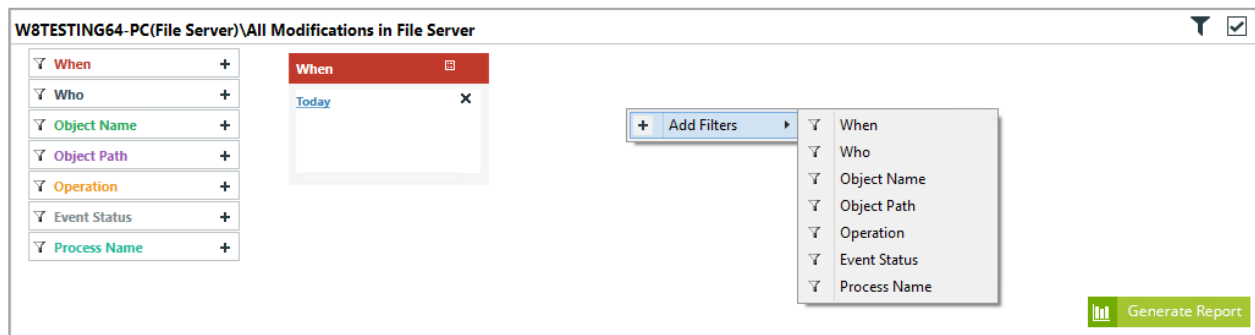


Figure 6: Option to add a filter

You can also drag the filter from the list and drop it in the blank area to access its options.

#### 3.3 Improved Filtration in Compliance Reports

Instead of displaying all filters, now a Compliance Report contains the filters as per its columns.

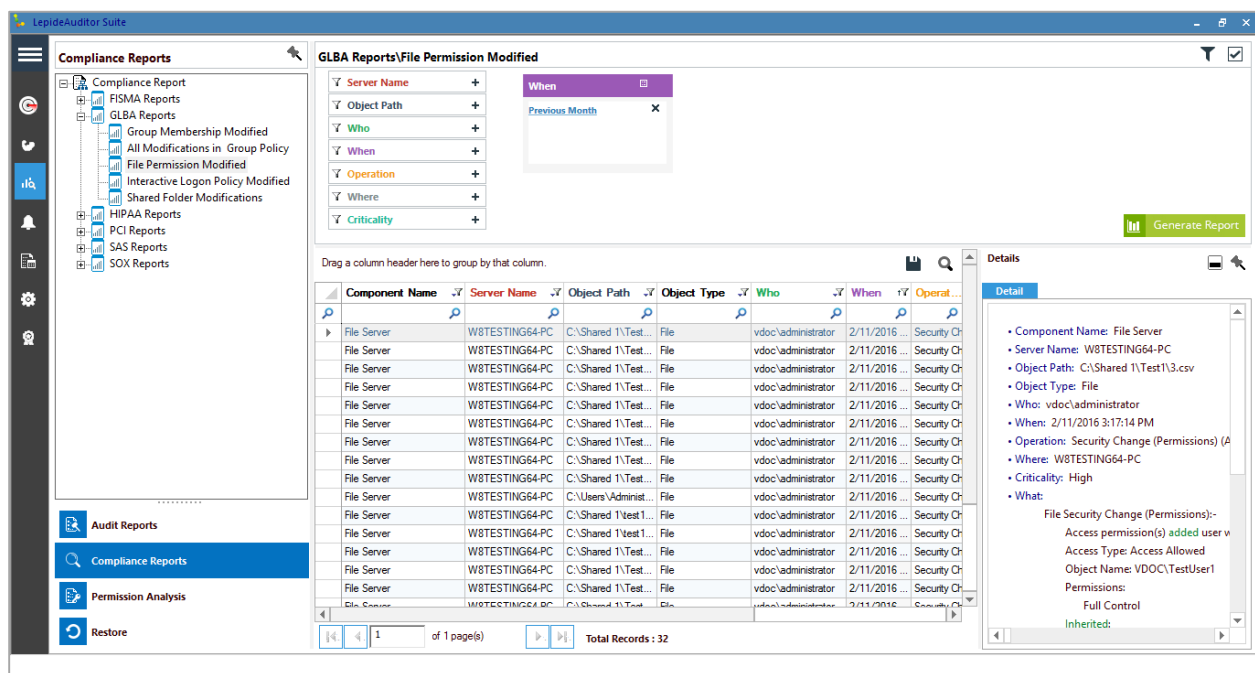

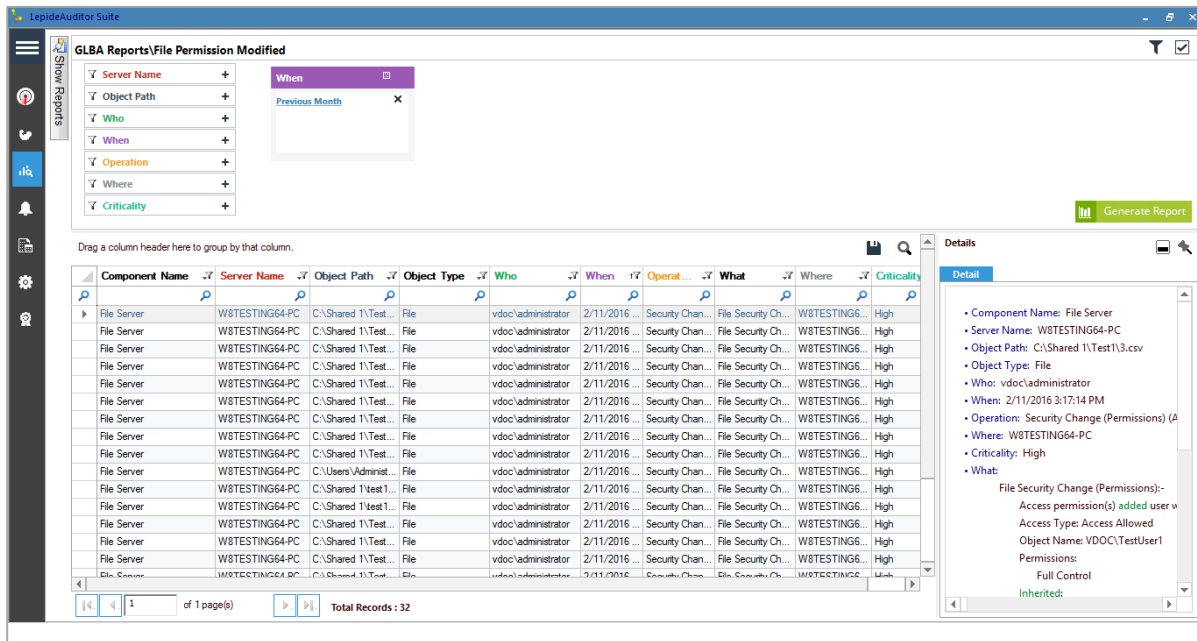


Figure 7: Updated Filters for Compliance Reports



## 3.4 Updated UI of Audit Reports Tab

The user interface of "Audit Reports" tab for all sections (Audit Reports, Compliance Reports, and Permission Analysis) has been modified. A new  icon has been added to the top right corner of the Left Panel. You can press this icon to hide the left panel and pin it as a button on top left corner. It presents a more readable view of the reports.



The screenshot displays the LepideAuditor Suite interface. The left panel is pinned, showing a list of filters: Server Name, Object Path, Who, When, Operation, Where, and Criticality. The main area shows a table of audit records with columns for Component Name, Server Name, Object Path, Object Type, Who, When, Operation, What, Where, and Criticality. A 'Details' panel on the right shows the expanded view of a selected record, including Component Name, Server Name, Object Path, Object Type, Who, When, Operation, Where, Criticality, and What (File Security Change (Permissions)).

Figure 8: Pinned Left Panel

## 3.5 Wild Card Characters in File Name and File Path

Wildcard characters like % and \* are now accepted in File Names and File Paths.

## 3.6 Bug Fixes

In this version, minor bugs are fixed to offer better user functionality.

