

NETWRIX EVENT LOG MANAGER User Guide

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1. INTRODUCTION

1.1. Overview

This guide is intended for end users of NetWrix Event Log Manager. It contains information on different NetWrix Event Log Manager reporting capabilities, lists all available report types and report output formats, and explains how these reports can be viewed and interpreted.

This guide can be used by auditors, company management or anyone who wants to view audit reports on the monitored environment.

1.2. How This Guide is Organized

This section explains how this guide is organized and provides a brief overview of each chapter.

- Chapter <u>1 Introduction</u>: the current chapter. It explains the purpose of this document, defines its audience and explains its structure.
- Chapter <u>2 Reports</u>: contains a full list of all available reports and explains how to view and interpret them.
- Chapter <u>3 Real-Time Alerts</u>: provides a description and examples of real-time alerts.
- <u>A Appendix: Related Documentation</u>: contains a list of all documentation published to support NetWrix Event Log Manager.

2. REPORTS

The NetWrix Event Log Manager functionality allows generating reports based on Microsoft SQL Server Reporting Services (SSRS).

The product provides a comprehensive set of predefined report templates that cover all aspects of the monitored environment and help you stay compliant with different regulations.

For a full list of reports provided by NetWrix Event Log Manager refer to Section <u>2.1 Reports</u> <u>List</u>.

You can view reports through a web browser, or you can ask your system administrator to configure a subscription to the selected reports to receive them by email.

For details on these options, refer to the following sections:

- 2.2 Viewing Reports in a Web Browser
- 2.3 Receiving Reports by Email

2.1. Reports List

NetWrix Event Log Manager provides the following predefined reports:

Note: If none of these reports suit your needs, ask your system administrator to create cusom report templates, or <u>order them from NetWrix</u>.

Report Name	Description					
Best Practice Reports						
Account Management						
Administrative Password Resets	Shows when account passwords were reset and who reset them.					
Computer Account Changes	Shows computer accounts changes.					
Group Management	Shows group changes.					
Group Membership Management	Shows group membership changes.					
Password Changes by User	Lists all password changes initiated by users. Password resets performed by administrators are not included in this report.					
User Account Management	Shows changes to users' accounts.					
	Applications					
Service Installation Attempts	Shows service installation attempts.					
Software Installation and Removal	Shows events related to software installation and removal.					
Software Installation	Shows events related to software installation.					
Software Removal	Shows events related to software removal.					
	Auditing					
Audit Log Cleared	Shows audit trail cleanup operations.					
Audit Policy Changes	Shows changes to audit policy settings.					
System Time Changes	Shows changes to system time.					
User Account Locks and Unlocks	Shows user accounts lock and unlock events.					
C	omputer Startups and Shutdowns					
All Planned Shutdowns	Shows planned shutdowns.					
All Unexpected Shutdowns	Shows unexpected shutdowns.					

Table 1: NetWrix Event Log Manager Reports List

DHCP Events							
All DHCP Server Errors	Shows all DHCP service errors, filtered by date range, computer name and user name.						
All DHCP Server Events	Shows all DHCP service events, filtered by date range, computer and user name.						
Logon Reporter							
Failed Logon Attempts	Failed Logon AttemptsShows failed authentication attempts in the Active Directory.						
Remote Desktop Sessions	Shows remote desktop sessions, initiated, terminated, and reconnected.						
Successful User Logons with Time Range	Shows user logons for a specified period of time.						
Successful User Logons	Shows user logons.						
User Logoffs	Shows user logoffs filtered by user name.						
	Service Control Manager						
All Service Errors	Shows all service errors, filtered by date range, computer and user name.						
All Service Events	Shows all service events, filtered by date range, computer and user name.						
All Service Starts	Shows all started services, filtered by date range, computer and user name.						
All Service Stops	Shows all stopped services, filtered by date range, computer and user name.						
	Syslog						
	Generic						
All Generic Events	Shows all syslog events of the Generic platform. The events are filtered by date range, computer and user name.						
	Red Hat Enterprise Linux 5						
Multiple Session Authentication Failures	Shows events generated after multiple failed attempts to open a session for Red Hat Enterprise Linux 5 in a row.						
Session Authentication Failures	Shows failed attempts to open a session for Red Hat Enterprise Linux 5.						
Sessions	Shows opening and closing of a session for Red Hat Enterprise Linux 5.						
	Ubuntu						
Multiple Session Authentication Failures	Shows events generated after multiple failed attempts to open a session for Ubuntu in a row.						
Session Authentication Failures	Shows failed attempts to open a session for Ubuntu.						
Sessions	Shows opening and closing of a session for Ubuntu.						
	General Reports						
All Events by Computer (Chart)	Displays a graphical representation of all events grouped by computer, filtered by date range and other parameters.						
All Events by Computer	Shows all events grouped by computer, filtered by date range and other parameters.						
All Events by Date	Shows all events grouped by date, filtered by date range and other parameters.						
All Events by Source (Chart)	Displays a graphical representation of all events grouped by source (e.g. 'Security', 'Application Management'), filtered by date range and other parameters.						
All Events by Source	Shows all events grouped by source (e.g. 'Security', 'Application Management'), filtered by date range and other parameters.						
All Events by User (Chart)	Displays a graphical representation of all events grouped by user, filtered by date range and other parameters.						

All Events by User	Shows all events grouped by user, filtered by date range and other parameters.
All Security Events by User	Shows all security events.
All System Events by User	Shows all system events.

The following sets of reports can be used if your organization needs to comply with certain regulations:

Regulation	Reports List
GLBA	Audit Log Cleared
	Failed Logon Attempts
	Successful User Logons
	User Logoffs
НІРАА	All Events by User
	All Security Events by User
	Audit Log Cleared
	Audit Policy Changes
	Computer Account Changes
	Failed Logon Attempts
	Group Management
	Group Membership Management
	Remote Desktop Sessions
	Successful User Logons
	System Time Changes
	User Account Management
	User Logoffs
PCI	All Events by User
	Audit Log Cleared
	Audit Policy Changes
	Failed Logon Attempts
	Successful User Logons
	User Logoffs
SOX	All Events by User
	All Security Events by User
	Audit Log Cleared
	Audit Policy Changes
	Computer Account Changes
	Failed Logon Attempts
	Group Management
	Group Membership Management
	Remote Desktop Sessions
	Successful User Logons
	System Time Changes
	User Account Management
	User Logoffs

Table 2: Reports for Regulatory Compliances

2.2. Viewing Reports in a Web Browser

To view reports in a web browser, ask your system administrator to provide you with the Report Manager URL.

Perform the following procedure to veiw reports in a web browser:

Procedure 1. To view reports in a web browser

- 1. Open your web browser. Type the Report Manager URL in the address line and press **Enter.** The SQL Server Reporting Services **Home** page will open.
- 2. Click NetWrix Event Log Manager. The following page will open:

🏉 NetWrix Event Log Manager - Report Manager - Windows Internet Explorer - 🗆 🗙 😋 💽 🗢 🔊 http://server/Reports_SQLEXPRESS/Pag 🚽 🌛 🗙 📴 Bing <mark>ب</mark> 0 🖕 Favorites 🛛 👍 🔁 Suggested Sites 🔻 💋 Web Slice Gallery 🔻 🟠 🕶 🗟 👻 🖃 🖶 💌 Page 🔻 Safety 🔻 Tools 🔻 🔞 🕶 🏉 NetWrix Event Log Manager - Report Manager -Home Home | Site Settings | Help 🔺 SQL Server Reporting Services NetWrix Event Log Manager ρ Search 🞬 New Folder | 🖳 New Data Source 🕴 🎽 Folder Settings 👘 🥀 Upload File 🛄 Details View Best Practice Reports General Reports Data Source **Regulatory Compliance** ६ Local intranet | Protected Mode: Off 🐔 👻 🕄 100%

Figure 1: Report Manager: NetWrix Event Log Manager Page

3. All reports are divided into categories. Navigate to the required folder (for example, **General Reports** \rightarrow **All Events by Computer**). On the page that opens, a report showing events for the last 24 hours will be displayed:

	- Report Manager - Wi	ndows Inte	rnet Explor	rer						
🔊 🗢 🙋 http://wo	rkstation/Reports_SQLE×	PRESS/Pa	iges/Report.	.aspx?lte 💌	47 🗙 [🔁 Bing				
Favorites 🛛 🚖 🔁 Su	ggested Sites 🔻 💋 W	'eb Slice Ga	allery 🔻							
All Events by Compute	r - Report Manager		1		🟠 👻	a - 🖻		Page	 Safety • 	Tools 🔻 🌘
ome > NetWrix Event L	.og Manager > Gener	al Reports	s > All Eve	ents by Cor	nputer			Hom	ie Site Se	ettings Help
rom: 3/20/2012	12:03:12 AM		To:	3/2	1/2012 12	:03:12 A	м		Vie	w Report
Computer: %			User Nam (Domain\l	le User): <mark>%</mark>						
ivent ID: %			Source:	%						
ivent Error, War	ning, Information, Au	(~	Sort By:	Da	te	•				
og name: Application										
4 4 1 of 2	100%	-		Find	Next	. - @				
All Events by	/ Computer									-
Shows all events grouped	by computer, filtered by	date range	and other p	arameters.						
Shows all events grouped	l by computer, filtered by Values	date range	and other p	oarameters.	Values			-		
Shows all events grouped Filter for Date/time from:	Values 3/20/2012 12:03:1	<i>date range</i> 12 AM	and other p Filter fo Event l	or or level:	Values Error, War Informatio Success, A Failure, Cr Verbose	rning, on, Audit Audit ritical Ern	or,			
Shows all events grouped Filter for Date/time from: Date/time to:	<i>by computer, filtered by</i> Values 3/20/2012 12:03:1 3/21/2012 12:03:1	<i>date range</i> L2 AM .2 AM	and other p Filter fo Event l Comput	or or level: ter:	Values Error, War Informatio Success, A Failure, Cr Verbose %	rning, n, Audit Audit ritical Ern	or,			
Shows all events grouped Filter for Date/time from: Date/time to: User name:	3/20/2012 12:03:1 3/21/2012 12:03:1 %	<i>date range</i> L2 AM .2 AM	and other p Filter fo Event l Comput Log nat	or level: ter: me:	Values Error, War Informatio Success, 4 Failure, Cr Verbose % Applicatior	rning, on, Audit Audit ritical Ern n	or,			
Shows all events grouped Filter for Date/time from: Date/time to: User name: Source:	by computer, filtered by Values 3/20/2012 12:03:1 3/21/2012 12:03:1 % %	date range 12 AM 2 AM	and other p Filter fo Event l Comput Log nau Event I	or level: tter: me: ID:	Values Error, War Informatio Success, A Failure, Cr Verbose % Applicatior %	rning, n, Audit Audit ritical Ern n	or,			_
Shows all events grouped Filter for Date/time from: Date/time to: User name: Source: Sort by:	<i>by computer, filtered by</i> Values 3/20/2012 12:03:1 3/21/2012 12:03:1 % % Date	date range 12 AM 22 AM	and other p Filter fo Event l Comput Log nau Event I	or level: ter: me: ID:	Values Error, War Informatio Success, 4 Failure, Cr Verbose % Applicatior %	rning, on, Audit Audit ritical Ern n	or,			
Shows all events grouped Filter for Date/time from: Date/time to: User name: Source: Sort by:	<i>by computer, filtered by</i> Values 3/20/2012 12:03:1 3/21/2012 12:03:1 % % Date	date range 12 AM 22 AM	and other p Filter fo Event l Comput Log nai Event I	or level: ter: me: ID:	Values Error, War Informatio Success, 4 Failure, Cr Verbose % Applicatior %	rning, n, Audit Audit ritical Ern	or,			
Shows all events grouped Filter for Date/time from: Date/time to: User name: Source: Sort by: Computer: workstati	Values 3/20/2012 12:03:1 3/21/2012 12:03:1 % % Date	date range L2 AM .2 AM	and other p Filter fo Event l Comput Log nai Event I	or level: tter: me: ID:	Values Error, War Informatio Success, 4 Failure, Cr Verbose % Applicatior %	rning, on, Audit Audit ritical Ern	or,			
Shows all events grouped Filter for Date/time from: Date/time to: User name: Source: Sort by: Computer: workstatio Date	by computer, filtered by Values 3/20/2012 12:03:1 3/21/2012 12:03:1 % % Date on.corp.local User Name	date range L2 AM .2 AM Event I	and other p Filter fo Event l Comput Log nat Event I	or level: ter: me: ID: Event Level	Values Error, War Informatio Success, & Failure, Cr Verbose % Application %	rning, n, Audit Audit ritical Ern n	or,			
Shows all events grouped Filter for Date/time from: Date/time to: User name: Source: Sort by: Computer: workstatin Date 3/20/2012 12:06:22 AM	y Compared by Values 3/20/2012 12:03:1 3/21/2012 12:03:1 % % Date on.corp.local User Name N/A N/A	date range 12 AM 2 AM Event I Applicat	and other p Filter fo Event I Comput Log nat Event I	or level: ter: me: ID: Event Level	Values Error, War Informatio Success, A Failure, Cr Verbose % Application % Event ID 4	ni, Audit Audit ritical Erri n <u>Source</u> NetWr Event Agent	or, :e ix Log			
Shows all events grouped Filter for Date/time from: Date/time to: User name: Source: Sort by: Computer: workstatic Date 3/20/2012 12:06:22 AM 3/20/2012 12:06:23 AM	by computer, filtered by Values 3/20/2012 12:03:1 3/21/2012 12:03:1 % % Date bn.corp.local User Name N/A	date range L2 AM .2 AM .2 AM .2 AM .2 AM Applicat Applicat	and other p Filter fo Event I Comput Log nat Event I	or level: ter: me: ID: Event Level	Values Error, War Informatio Success, A Failure, Cr Verbose % Applicatior % Event ID 4	n, Audit Audit ritical Erro n Source NetWr Event Agent NetWr Event	ix Log Log			
Shows all events grouped Filter for Date/time from: Date/time to: User name: Source: Sort by: Computer: workstatic Date 3/20/2012 12:06:22 AM 3/20/2012 12:06:23 AM	y computer, filtered by Values 3/20/2012 12:03:1 3/21/2012 12:03:1 % % Date on.corp.local User Name N/A N/A	date range L2 AM 2 AM 2 AM Event I Applicat Applicat Applicat	and other p Filter fo Event I Comput Log nat Event I	or level: ter: me: ID: Event Level Information	Values Error, War Informatio Success, A Failure, Cr Verbose % Applicatior % Event ID 4	nn, Audit Audit ritical Erm n Source NetWr Agent NetWr Agent NetWr Event Agent	ce ix Log ix Log			

Figure 2: Report Manager: All Events by Computer Page

In the upper pane, you can specify filters that will be applied to collected events:

Note: The filters list may vary slightly depending on the report you have selected.

Table 3: Report Filters

Filter	Description
From	Specify the start date and time of the reporting period.
То	Specify the end date and time of the reporting period.
Computer	Specify the name of a computer if you want to display events from this computer only.
User Name (Domain\User)	Specify a user name. Only events generated under this account will be displayed.
Event ID	Specify the identifier of a specific event. Only events with this ID will be displayed in the report.
Source	Specify the name of a software product if you want to display events logged by specific software.
Event Level	Specify an event level to display events with this level only.
Log Name	Populate this field if you want to display events from a specific log.
Sort by	Specify a parameter that you want to sort events by.

- 4. To apply filters to a report, click the **View Report** button.
- 5. To view an event's details, click the link in the **Date** column of the corresponding event. The following page will be displayed:

A Event Details - Report Manager - Windows I	nternet Explorer		_ [] ;					
Correctation5/Benorts	SOLEXPRESS/Pages/Re	nort aspy						
🚖 Favorites 🛛 🚔 🔁 Suggested Sites 🔻 🖉 Web Slice Gallery 👻								
🏉 Event Details - Report Manager		🏠 🕶 🔝 👻 📑 🕶	Page 🔻 Safety 🔻 Tools 🔻 🕢 🕇					
Home > NetWrix Event Log Manager > Imp	olicit Folder > Event [Details	Home Site Settings Help					
I	•	Find Next 🛛 🛃 🔹 🛞 🏭 📕						
		NetWrix Event Log Manager	_					
Event Details								
Shows decaled event information.								
Domain: N/A								
Computer: workstation.corp.local								
Log Name: Application								
Source: Microsoft-Windows-LoadPer	f							
Logged: 3/7/2012 3:18:08 AM								
Event ID: 1000								
User: NT AUTHORITY\SYSTEM								
Level: Information								
Description:								
IS # Insertion String Value								
1 WiniApRpl								
2 WiniApRpl								
3 16								
4 0A1A0000B01A00000B1A0000B11A0000)							
Date: 3/21/2012	Page 1							
Done		🙀 Local intranet Protected Mode: Off	€∰ ▼ 💐 100% - ▼					

Figure 3: Report Manager: Event's Details Page

2.3. Receiving Reports by Email

To receive reports by email, ask your system administrator to configure a subscription for you. You can ask the system administrator to configure filters to receive only the information you need and select the report output format: Excel, Word, or PDF.

Subscriptions can be delivered to you on one the following schedules:

- On a daily basis (reports will be delivered at the specified interval at 3:00 AM);
- On a weekly basis (reports will be delivered on the specified days of the week at 3:00 AM);
- On a monthly basis (reports will be delivered in the specified months on a selected date at 3:00 AM).

If you are subscribed to a report, you will receive an email like in the example below:

ि X & → Delete Delete	Reply Reply All Forward Respond	Access Access To Manager Team E-mail Quick Steps	+ + 	Move Move	Mark Unread Categorize * Follow Up * Tags 5	Translate	Zoom Zoom	
From: Administrator@company.local Sent: Mon 4/30/2012 12:13 PM To: User@company.local Sent: Mon 4/30/2012 12:13 PM Cc: Subject: NetWrix Event Log Manager: All Events by Date								
You have received this message due to the following subscription:								
Description: All Events by Date Report Name: All Events by Date Report Description: Shows all events grouped by date, filtered by date range and other parameters. The report is in the attachment.								

Figure 4: New Subscription

The report is attached to the email:

Figure 5: Attached Report

ت ۳ 🖬 🖂	🔺 [н 🗛	ttachment Tool	s NetWrix Eve	ent Log N	1anager: All Ev	ents by Dat	te - Message		x
File Me	Message Attachments						<u>م</u>	0	
			K R		Chow				
Print	As Atta	achments Attac	hment All	Сору	Message				
	Actions Selection Message								
File name: New Subscription (All Events by Date).pdf									
Size: 2 MB									
Last changed:	Monday, Ap	ril 30, 2012							
🖂 Message 📍	🔁 New Sub	scription (All Ev	ents by Date).pd	lf (2 MB)					
						Net	Wrix Event Log Manager		
	All Eve	ents by D	ate						
	Shows all ev	ents grouped by date	e, filtered by date rang	ne and other p	oarameters.				
	Filter for	Val	ues	Fi	lter for	Values			
	Date/tim	e from: 4/2	9/2012 1:11:45 A	M So	ource:	%			
	Date/tim	e to: 4/3	0/2012 1:11:49 A	M Lo	og name:	System			
	User nam	ie: %		E	vent ID:	%			
	Compute	r: %		Event level: Critical Error, Error, Failure Audit, Information, Success Audit, Verbose, Warnion					
	Sort by:	Tim	e						
	Date: 4/29	/2012							
	Time	Computer	User Name	Event Log	Event Leve	el Event ID	Source		
	9:10:22 AM	adminDC1.compa ny.local	N/A	System	Information	7036	Service Control Manager		
	9:10:22 AM	adminDC1.compa ny.local	N/A	System	Information	7036	Service Control Manager		
	9:10:23 AM	adminDC1.compa ny.local	N/A	System	Information	7036	Service Control Manager		
	9:10:24 AM	adminDC1.compa ny.local	N/A	System	Information	7036	Service Control Manager		Ŧ
	10 /0 OF 111					12000		1 of 31	.7
 See more 	re about: Ac	lministrator@c	ompany.local.					22	^

3. REAL-TIME ALERTS

Real-time alerts are notifications that can be configured to be triggered by certain events. After an event is detected, an email will be sent immediately to the specified recepients.

If you want to be notified about certain events, ask your system administrator to configure real-time alerts for you.

The example below shows a real-time alert informing you that the Windows Filtering Platform has allowed a program (source address 44.0.7.255) to connect to another process on the remote computer (desination address 44.0.1.255) on a UDP port (port 138).



Figure 6: Real-Time Alert Example

A real-time alert contains the following information:

Field	Description
Date time	The date and time when the event was logged.
Event Source	The name of the software that logged the event.
Event Category	A number representing the event category defined by the Event Source.
Event Type	The type of the logged event.
Event ID	The unique identifier of the event.
Event Log Name	The name of the Event log containing the event.
User	An account under which the event was generated.
Computer	The name of the computer where the event was generated.
Description	Detailed information on the event.
Event Parameters	Event-specific information from the EventData field of the event. This information can be viewed in Windows Event Viewer. NOTE: If an alert contains the %String1% value under Event Parameters, this event has no information in the Event Data field.

Table 4: Real-Time Alert Fields

A APPENDIX: RELATED DOCUMENTATION

The table below lists all documents available to support NetWrix Event Log Manager:

Document Name	Overview
NetWrix Event Log Manager User Guide	The current document.
NetWrix Event Log Manager Installation and Configuration Guide	Provides detailed instructions on how to install NetWrix Event Log Manager and configure monitored computers.
<u>NetWrix Event Log Manager</u> <u>Administrator's Guide</u>	Provides detailed instructions on how to configure and use NetWrix Event Log Manager.
NetWrix Event Log Manager Quick-Start Guide (Enterprise Edition)	Provides an overview of the product's functionality, and instructions on how to install, configure and start using NetWrix Event Log Manager (Enterprise Edition).
NetWrix Event Log Manager Quick-Start Guide (Freeware Edition)	Provides an overview of the product's functionality, and instructions on how to install, configure and start using NetWrix Event Log Manager (Freeware Edition).
<u>NetWrix Event Log Manager Release</u> <u>Notes</u>	The document provides a list of known issues that customer may experience while using the release version 4.0.

Table 5:Product Documentation