EventTracker
Secure. Comply. Succeed.

Integrating LOGbinder SP

EventTracker v7.x

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Abstract

This guide provides instructions to configure Microsoft SharePoint to send the event logs to EventTracker Enterprise using LOGbinder SP.

Scope

The configurations detailed in this guide are consistent with **EventTracker Enterprise** v7.x and later, SharePoint 2007/2010.

Audience

Microsoft SharePoint users, who wish to forward audit events to EventTracker manager using LOGbinder SP.

Contents

Overview

LOGbinder SP translates cryptic SharePoint audit data into easy-to-understand messages and sends them to EventTracker. LOGbinder SP does not require an agent to be installed on your SharePoint servers, nor does it make intrusive changes to your SharePoint environment. It simply bridge the gap by bringing application security intelligence on SharePoint to your security operations center. LOGbinder SP is a small, efficient Windows service that runs on any Windows server that is a member of your SharePoint farm. This can be an existing SharePoint server or a dedicated server – even a VM. It just needs to be a member of the farm so that LOGbinder can interface with the SharePoint API.

EventTracker is an enterprise-class platform that seamlessly combines SIEM, Log Management, File Integrity Monitoring, machine Analytics and so forth. It is designed to address an ever-changing landscape of threats and challenges, with a full suite of high-performance tools for security, compliance, and operations. EventTracker delivers comprehensive, useful and actionable insight into what is really going on in and around an enterprise IT environment.

Critical components to be monitored include:

- Monitoring 'SharePoint Audit Trail Integrity'.
- Monitoring any access control changes done by authorized user or administrator in 'SharePoint Site Collection'.
- Monitoring any 'Information Management Policy Changes'.
- Monitoring any item updates in 'SharePoint Site Collection'.
- Object Changes done in 'SharePoint Site Collection'.

Install 'LOGbinder SP' on SharePoint Server

Visit http://www.logbinder.com/support and click on LOGbinder SP Getting Started Guide under Support Documentation -

- To install LOGbinder SP on SharePoint server
- To configure 'LOGbinder SP' to export SharePoint audit logs to windows 'Event Viewer'

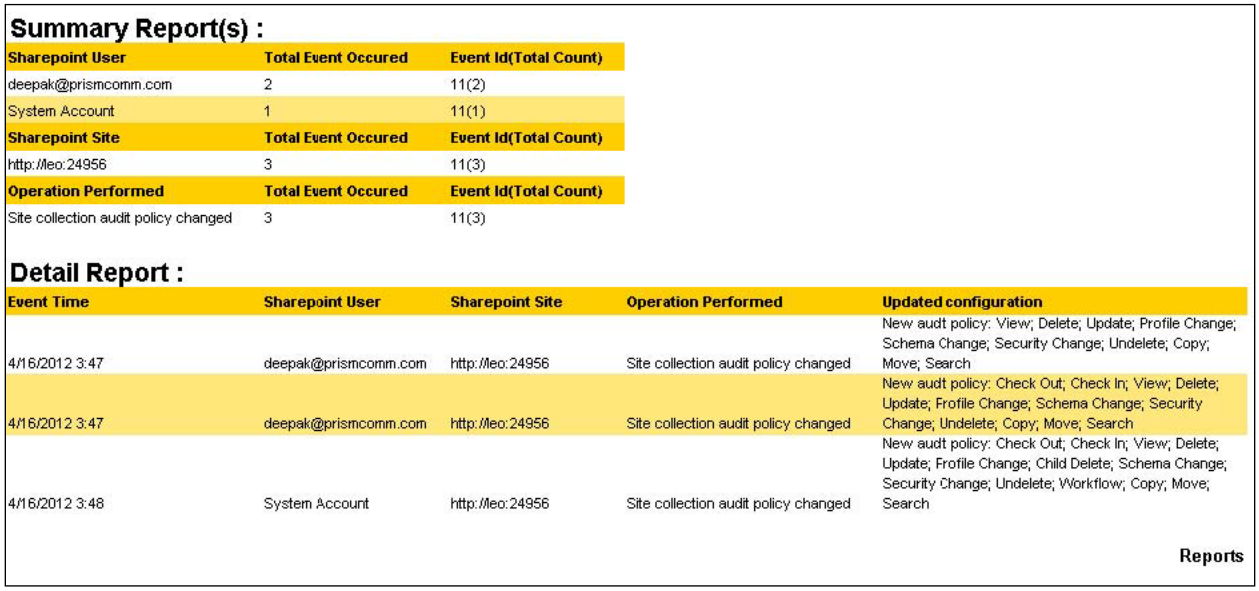
Monitoring SharePoint Audit Trail Integrity

It is very important to monitor SharePoint audit log integrity. Audit policy changes can result in important security events no longer being recorded in the audit log. Audit log deletion or tempering can be done to hide any user activity in SharePoint.

Following are the knowledge packs available in EventTracker, which can be used for alerting and reporting.

- **LOGbinder SP: Possible audit trail tampering -** This report includes events which could indicate tampering, which could affect the integrity of the audit.
- **LOGbinder SP: SharePoint Audit Logs Deleted -** This report includes information related to SharePoint audit log deletion. Audit logs created before this date have been removed from SharePoint.
- **LOGbinder SP: SharePoint Audit Policy Change -** This report includes changes in Site collection or SharePoint audit policy changes.

LOGbinder SP Sharepoint Audit Trail Setting Changes



Summary Report(s) :

Sharepoint User	Total Event Occured	Event Id(Total Count)
deepak@prismcomm.com	2	11(2)
System Account	1	11(1)
Sharepoint Site	**Total Event Occured**	**Event Id(Total Count)**
http://leo:24956	3	11(3)
Operation Performed	**Total Event Occured**	**Event Id(Total Count)**
Site collection audit policy changed	3	11(3)

Detail Report :

Event Time	Sharepoint User	Sharepoint Site	Operation Performed	Updated configuration
4/16/2012 3:47	deepak@prismcomm.com	http://leo:24956	Site collection audit policy changed	New audt policy: View; Delete; Update; Profile Change; Schema Change; Security Change; Undelete; Copy; Move; Search
4/16/2012 3:47	deepak@prismcomm.com	http://leo:24956	Site collection audit policy changed	New audt policy: Check Out; Check In; View; Delete; Update; Frofile Change; Schema Change; Security Change; Undelete; Copy; Move; Search
4/16/2012 3:48	System Account	http://leo:24956	Site collection audit policy changed	New audt policy: Check Out; Check In; View; Delete; Update; Frofile Change; Child Delete; Schema Change; Security Change; Undelete; Workflow; Copy; Move; Search

Reports

Figure 1

Monitoring any Access Control changes done by authorized user or administrator in SharePoint Site collection

It is very important to monitor any access control changes done in SharePoint Server which could result in a user being granted more or less authority to objects in SharePoint. This includes changes to site collection administrators, group changes and object permission changes.

Following are the knowledge packs available in EventTracker which can be used for reporting.

- **LOGbinder SP: SharePoint access control change -** This report includes changes to site collection administrators, group changes and object permission changes.

LOGbinder SP SharePoint Access Control Changes

Summary Report(s) :

Sharepoint User	Total Event Occured	Event Id(Total Count)
deepak@prismcomm.com	17	31(8), 29(2), 38(2), 30(1), 28(1), 27(1), 25(1), 37(1)
System Account	2	27(2)
Sharepoint Site	**Total Event Occured**	**Event Id(Total Count)**
http://leo:24956	19	31(8), 27(3), 29(2), 38(2), 30(1), 28(1), 25(1), 37(1)
Operation Performed	**Total Event Occured**	**Event Id(Total Count)**
Permissions updated	8	31(8)
SharePoint group member added	3	27(3)
Unique permissions created	2	29(2)
SharePoint site collection administrator removed	2	38(2)
Unique permissions removed	1	30(1)
SharePoint site collection administrator added	1	37(1)
SharePoint group member removed	1	28(1)
SharePoint group created	1	25(1)

Detail Report :

Event Time	Sharepoint User	Sharepoint Site	Operation Performed	Updated configuration
4/16/2012 3:49	deepak@prismcomm.com	http://leo:24956	SharePoint site collection administrator removed	Administrator ID: 11 Name: anand
4/16/2012 3:49	deepak@prismcomm.com	http://leo:24956	SharePoint site collection administrator removed	Administrator ID: 8 Name: admin
4/16/2012 3:50	deepak@prismcomm.com	http://leo:24956	SharePoint site collection administrator added	Administrator ID: 23 Name: deepak@prismmicrosys.com
4/16/2012 3:50	System Account	http://leo:24956	SharePoint group member added	Group ID: n/a Name: n/a Member ID: 23 Name: prismmembershipprovider:deepak@prismmicrosys.com
4/16/2012 3:54	System Account	http://leo:24956	SharePoint group member added	Group ID: n/a Name: n/a Member ID: 25 Name: prismmembershipprovider:deepak@prismcomm.com
4/16/2012 3:54	deepak@prismcomm.com	http://leo:24956	SharePoint group created	Group ID: 32 Name: PrismMktg deepak@prismcomm.com

Figure 2

Monitoring any Information Management Policy Changes

Information management policies enable you to control who can access your organizational information, what they can do with it, and how long to retain it. It is very important to keep track of any changes done in information management policy in SharePoint Server.

Following are the knowledge packs available in EventTracker, which can be used for reporting.

- **LOGbinder SP: SharePoint Information management policy changes** - This report includes changes to Information management policy changes

Monitoring Item updates done in SharePoint Site Collection

It is very important to keep track of any changes made by users in SharePoint site collections items (Documents, lists and SharePoint container object updates).

Following are the knowledge packs available in EventTracker, which can be used for reporting.

- **LOGbinder SP: SharePoint container object Update -** This report includes SharePoint audit events concerning updates to site collections, webs, document libraries and folders
- **LOGbinder SP: SharePoint document update -** This report lists document level access events except for view events. It includes Document check in, Check out, Document updates and deletion events.
- **LOGbinder SP: SharePoint list update -** This report lists SharePoint audit events concerning updates to Lists, List Items and deletion.

LOGbinder SP SharePoint Item Updates

Summary Report(s) :

Sharepoint User	Total Event Occured	Event Id(Total Count)
deepak@prismcomm.com	25	43(8), 45(5), 19(3), 44(3), 42(2), 46(2), 13(1), 14(1)
System Account	4	45(2), 44(1), 43(1)
Sharepoint Site	**Total Event Occured**	**Event Id(Total Count)**
http://leo:24956	29	43(9), 45(7), 44(4), 19(3), 42(2), 46(2), 13(1), 14(1)
Operation Performed	**Total Event Occured**	**Event Id(Total Count)**
Document updated	9	43(9)
List item updated	7	45(7)
List updated	4	44(4)
Object deleted	3	19(3)
Folder updated	2	46(2)
Document library updated	2	42(2)
Document checked out	1	14(1)
Document checked in	1	13(1)

Detail Report :

Event Time	Sharepoint User	Sharepoint Site	Operation Performed	Sharepoint Object
				Object URL: _catalogs/users/11_.000 Title: n/a
4/16/2012 3:49	deepak@prismcomm.com	http://leo:24956	List item updated	For more information, see http://logbinder.com/support
				Object URL: _catalogs/users/8_.000 Title: n/a
4/16/2012 3:49	deepak@prismcomm.com	http://leo:24956	List item updated	For more information, see http://logbinder.com/support
				Object URL: _catalogs/users/23_.000 Title: n/a
4/16/2012 3:50	deepak@prismcomm.com	http://leo:24956	List item updated	For more information, see http://logbinder.com/support
				Object URL: _catalogs/users/32_.000 Title: n/a
4/16/2012 3:54	deepak@prismcomm.com	http://leo:24956	List item updated	For more information, see http://logbinder.com/support
				Object Type: Generic List URL: /_catalogs/users/detail.aspx Title: User Information List Description: All people.
4/16/2012 3:54	deepak@prismcomm.com	http://leo:24956	List updated	For more information, see http://logbinder.com/support
				Object URL: _catalogs/users/32_.000 Title: n/a Version: n/a
4/16/2012 3:54	deepak@prismcomm.com	http://leo:24956	Document updated	For more information, see http://logbinder.com/support
				Object URL: Mktgsite/Lists/Team Discussion Version: 1.0
4/16/2012 3:56	deepak@prismcomm.com	http://leo:24956	Folder updated	For more information, see http://logbinder.com/support
				Object URL: Mktgsite/Lists/Calendar Version: 1.0
4/16/2012 3:56	deepak@prismcomm.com	http://leo:24956	Folder updated	For more information, see http://logbinder.com/support
				Object Type: n/a

Figure 3

Monitoring Generic Object Changes done in SharePoint Site Collection

Following are the knowledge packs available in EventTracker, which can be used for reporting.

- **LOGbinder SP: SharePoint object changes -** This report lists SharePoint audit events for certain change operations dealing with various object types. It includes Child object deleted, Child object moved, Object copied, Object deleted, Object moved, Object profile changed, SharePoint object structure changed, Object restored, List item updated and Workflow accessed.

LOGBinder SP SharePoint Generic Object Changes

Summary Report(s) :

Sharepoint User	Total Event Occured	Count)
deepak@prismcomm.com	7	15(3), 19(3), 39(1)
Sharepoint Site	**Total Event Occured**	**Count)**
http://leo:24956	7	15(3), 19(3), 39(1)
Operation Performed	**Total Event Occured**	**Count)**
Object deleted	3	19(3)
Child object deleted	3	15(3)
Object restored	1	39(1)

Detail Report :

Event Time	Sharepoint User	Sharepoint Site	Operation Performed	Sharepoint Object
4/16/2012 4:17	deepak@prismcomm.com	http://leo:24956	Child object deleted	Parent Object Type: List Subtype: Document Library URL: /Deepak Doc/Forms/AllItems.aspx Title: Deepak Doc Child Object Type: Document URL: Deepak Doc/PrismMembersPub.zip
4/16/2012 4:17	deepak@prismcomm.com	http://leo:24956	Object deleted	Object Type: Document URL: Deepak Doc/PrismMembersPub.zip Versions deleted: All versions deleted Recycled: Item in end-user Recycle Bin
4/16/2012 4:25	deepak@prismcomm.com	http://leo:24956	Child object deleted	Parent Object Type: List Subtype: Generic List URL: /Lists/Test1list/AllItems.aspx Title: Test1list Child Object Type: List Item URL: Lists/Test1list/1_.000
4/16/2012 4:25	deepak@prismcomm.com	http://leo:24956	Object deleted	Object Type: List Item URL: Lists/Test1list/1_.000 Versions deleted: n/a Recycled: n/a
4/16/2012 4:26	deepak@prismcomm.com	http://leo:24956	Child object deleted	Parent Object Type: Web Subtype: n/a URL: http://leo:24956 Title: SugarInfo Child Object Type: List URL: Lists/Test1list
4/16/2012 4:26	deepak@prismcomm.com	http://leo:24956	Object deleted	Object Type: List URL: Lists/Test1list Versions deleted: All versions deleted Recycled: Item in end-user Recycle Bin

Figure 4

SharePoint Alerts/Categories/Reports in EventTracker

SharePoint Audit Log Alerts in EventTracker

In Incidents dashboard, EventTracker displays the SharePoint incidents that are generated for past 24 hours in the managed systems. **Latest Incidents** pane will list the latest 20 incidents.

If the LOGbinder alerts are activated in the Alerts management page, then those alerts can be seen in the Incident dashboard.

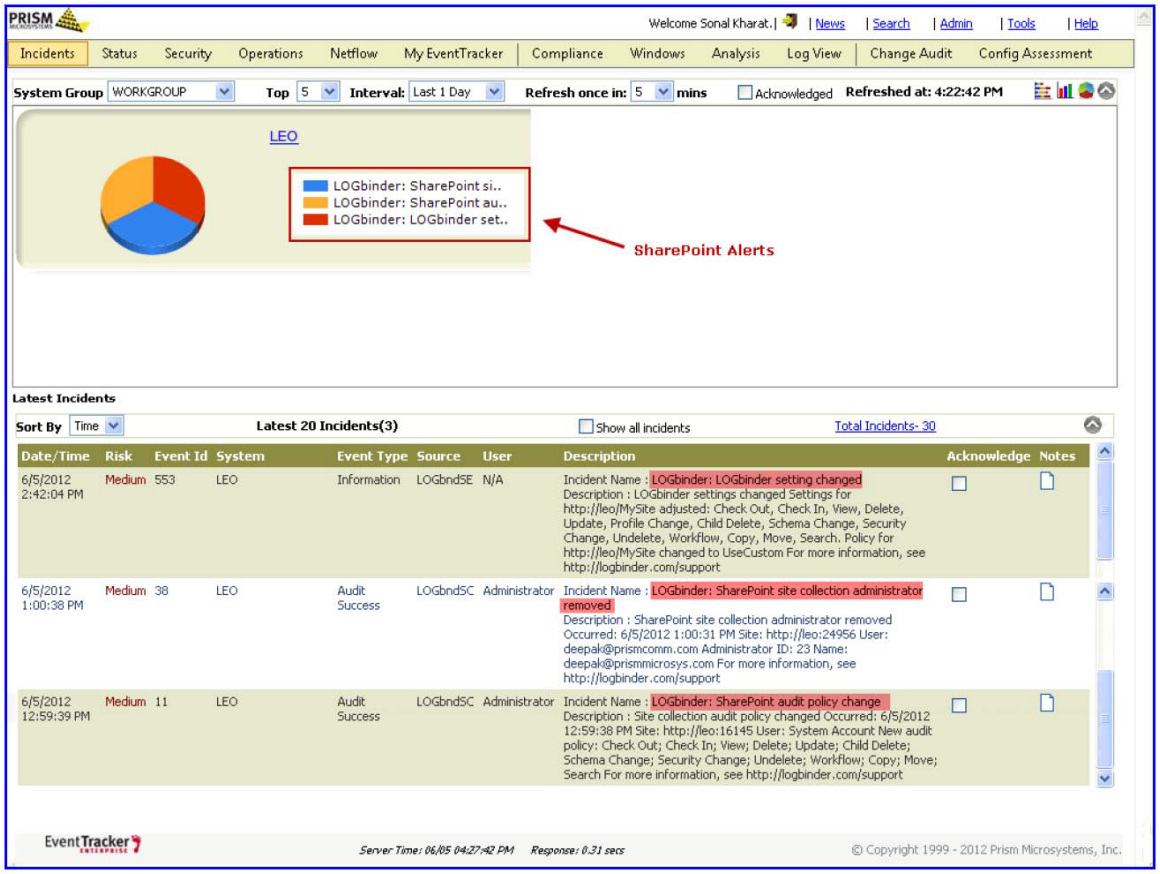


Figure 5

- To view the total incidents occurred on a particular system, click the system name on the 'Incidents dashboard' top pane.
- Click any sector of pie chart/ bar of bar graph on the 'Incidents dashboard' top pane to view details of that particular Incident(s).

EventTracker will display the **Search Incidents** window that shows the detailed search results for the selected incident.

SharePoint Audit Log Pre-defined Alerts in EventTracker

Following SharePoint alerts are present in the EventTracker **Alert Management** page:

- LOGbinder: LOGbinder setting changed
- LOGbinder: Possible audit trail tampering
- LOGbinder: SharePoint audit logs deleted
- LOGbinder: SharePoint audit policy change
- LOGbinder: SharePoint site collection administrator added
- LOGbinder: SharePoint site collection administrator removed

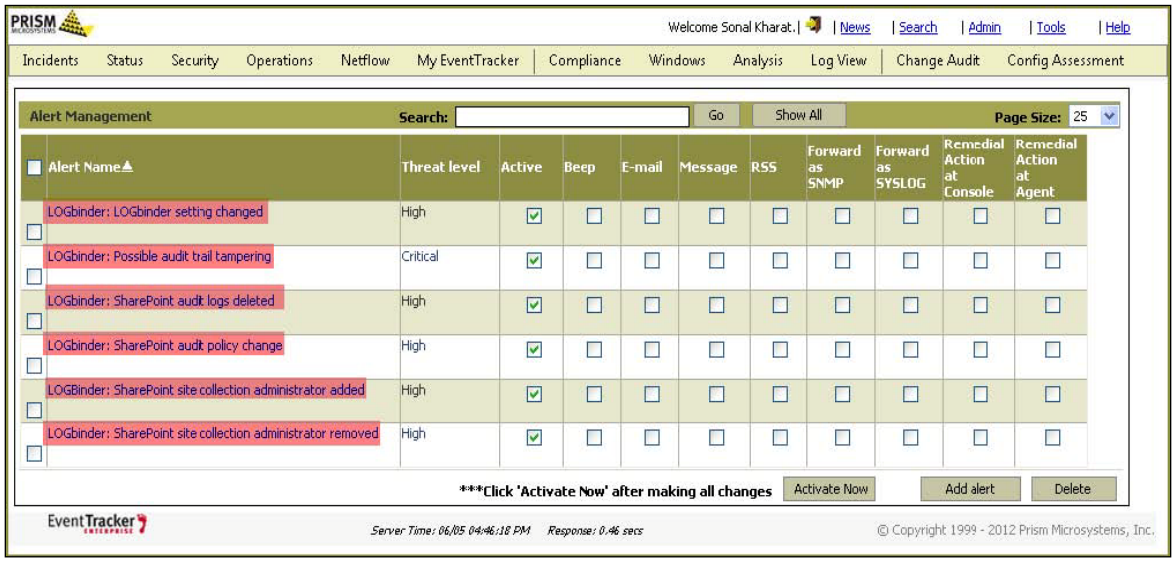


Figure 8

Custom alert(s) can also be added using **Add Alert** button.

SharePoint Audit Log Pre-defined Categories in EventTracker

In EventTracker, LOGbinder categories are grouped under **LOGbinder SP** group.

In **Category Management** page, the last 10 modified categories can be viewed in the right pane.

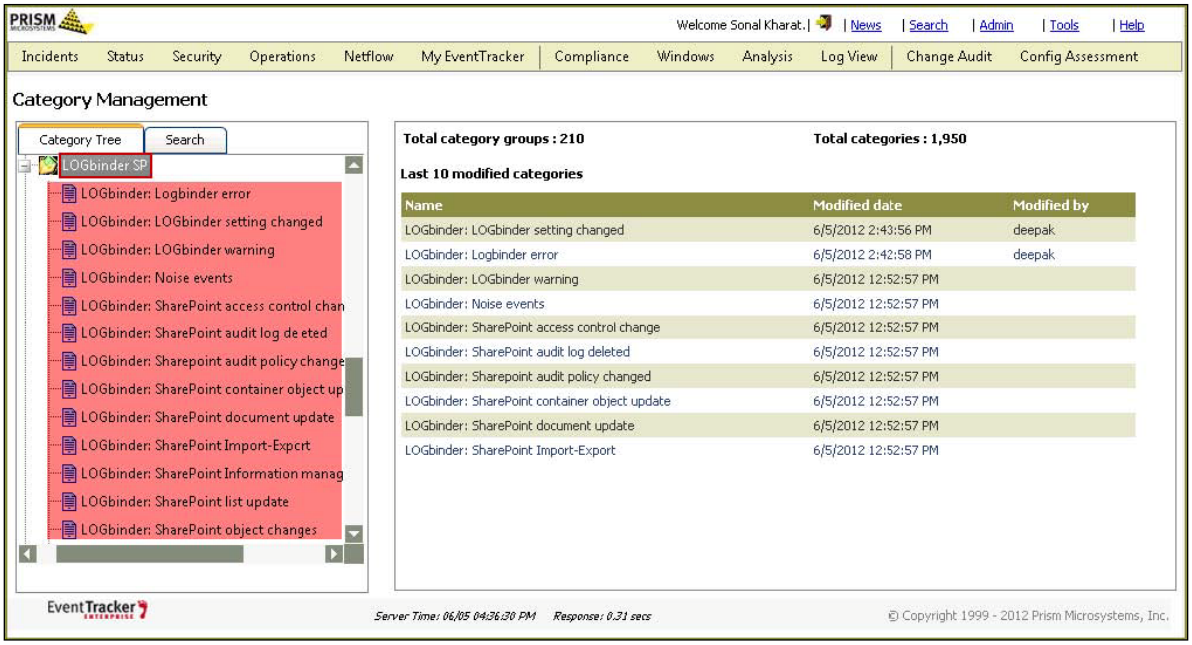


Figure 9

Following predefined categories are present in the EventTracker:

- LOGbinder: LOGbinder error
- LOGbinder: LOGbinder setting changed
- LOGbinder: LOGbinder warning
- LOGbinder: Noise events
- LOGbinder: SharePoint access control change
- LOGbinder: SharePoint audit log deleted
- LOGbinder: SharePoint audit policy changed
- LOGbinder: SharePoint container object update
- LOGbinder: SharePoint document update

- LOGbinder: SharePoint Import-Export
- LOGbinder: SharePoint Information management policy changes
- LOGbinder: SharePoint list update
- LOGbinder: SharePoint object changes
- LOGbinder: SharePoint search events
- LOGbinder: Site collection administrator added
- LOGbinder: Site collection administrator

SharePoint Audit Log Reports in EventTracker

In EventTracker, SharePoint analysis reports can be scheduled for a specific time, executed immediately, or can be queued up for report generation.

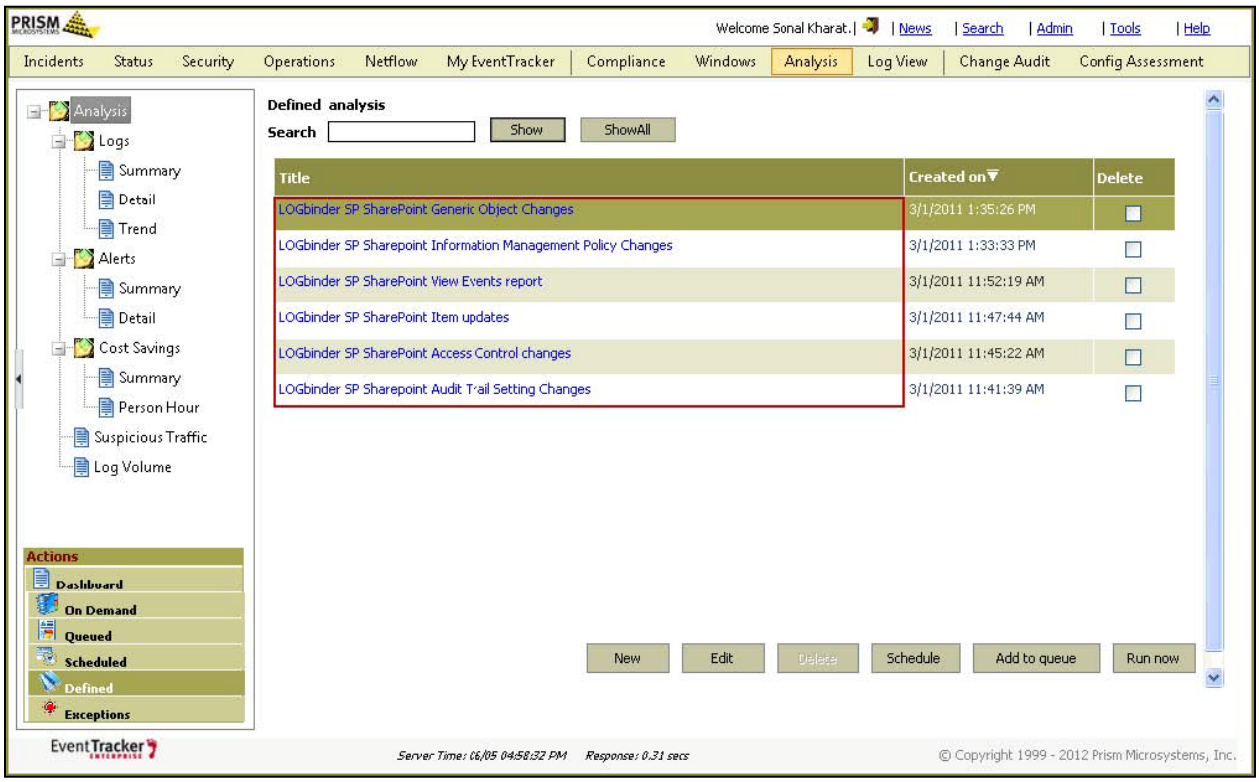


Figure 10