

# Microsoft® SharePoint® Server Log Insight Content Pack

- **Overview:**

Microsoft® SharePoint® Log Insight™ content pack offers a simple, intuitive approach for analyzing graphically severity levels of various areas and categories of SharePoint ULS log messages. The content pack has various dashboards, queries and alerts to provide better diagnostic and analytic information of the SharePoint server. It also queries the SharePoint database to get various usage data for easier monitoring of your SharePoint server.

- **Highlights:**

- Provides a clear picture of various issues on your SharePoint server with the help of various graphs showing severity levels.
- It includes alarms to enable early diagnosis of issues and the administrator can respond accordingly within time.
- Logical grouping of various events for better manageability and easy reading.

- **Description:**

The Microsoft® SharePoint® content pack includes six dashboards with a total of 29 widgets and 6 alarms for viewing and quickly analyzing SharePoint log messages. The content pack enables the user to monitor the SharePoint server in an easily readable graphical form. It provides:

- **General overview of SharePoint server:** This includes monitoring the count of various events over time and categorizes the usage of various processes/products and the various categories under SharePoint areas. Also gives an idea of various events based on the severity levels as seen in the SharePoint ULS logs.
- **General Exceptions:** The widgets under this dashboard enable the administrator to monitor various security, authentication and SharePoint related exceptions.
- **Error Analysis:** Errors in SharePoint logs are categorized under various severity levels such as critical, unexpected etc. This dashboard along with 4 widgets groups the various errors based on the area, category, and process they fall under. It also includes a query widget which discusses about correlation id and events requiring administrative intervention.
- **Usage Data information:** This is the data about usage on SharePoint Farm, like Page requests, feature use etc. The content pack gives you usage information about feature usage, site inventory usage and page request usage by querying the various views available in the SharePoint database.

- **Tech Specs:**

- **Compatibility:**

Microsoft SharePoint Server version 2010 Service Pack 2  
Microsoft SharePoint Server version 2013

**Note:** For SharePoint 2013 there would be no data seen for the dashboard “Site Inventory Usage” as the default view SiteInventory is not present in the database.

- **Installation:**

Navigate to the "Content Pack" menu in Log Insight. Select the "Import Content Pack" button. In the "Import Content Pack" menu, do the following:

- Select the "Browse..." button and select the content pack you are trying to import
- Select the "Install as content pack" radio button
- Select the "Import" button

Alternately, you can also install the content pack from the marketplace available on Log Insight UI

- On Log Insight UI, browse to Content Pack ->Marketplace
- Click on the content pack and then click 'Install'

- **Configuration:**

**Scripts : For SharePoint Usage data**

***Prerequisites: Enable health and usage data collection:***

To enable it follow the instructions at:

<https://technet.microsoft.com/en-in/library/ee663480.aspx>

Copy the scripts directory from the root of the archive downloaded from Solution Exchange to a permanent location. For example: C:\ProgramData\VMware\Log Insight Agent\sharepoint and then follow the steps below to create a task in Windows Task Scheduler,

Please note that corresponding power shell scripts are available to download from "Resource" section of SharePoint Content pack in Marketplace.

***a) For SharePoint 2010***

***ms\_sharePoint\_usageData\_logging.ps1***

- Run as user with sufficient permissions
- Edit the SPServerName.txt file in the script folder to input the SharePoint database server name in this file.
- Browse to Control Panel --> All Control Panel Items --> Administrative Tools --> Task Scheduler and click on create task.
- Set to: Run whether user is logged on or not
- Set to: Run with highest privileges
- Action is set to: Start a program
  - Program: "C:\ProgramData\VMware\Log Insight Agent\sharepoint\scripts\open\_powershell.cmd"
  - Parameters: ms\_sharePoint\_usageData\_logging.ps1
  - Start in: C:\ProgramData\VMware\Log Insight Agent\sharepoint\scripts\
  - Trigger is set to Daily
  - Repeat task every 5 minutes for the duration of 1 day
  - Set to: Enabled

**Note:** The duration can be set as per the actual environment.

**b) For SharePoint 2013**

***ms\_sharePoint\_usageData\_logging\_2013.ps1***

- Run as user with sufficient permissions
- Edit the SPServerName.txt file in the script folder to input the SharePoint database server name in this file.
- Browse to Control Panel --> All Control Panel Items --> Administrative Tools --> Task Scheduler and click on create task.
- Set to: Run whether user is logged on or not
- Set to: Run with highest privileges
- Action is set to: Start a program
  - Program: "C:\ProgramData\VMware\Log Insight Agent\sharepoint\scripts\open\_powershell.cmd"
  - Parameters: ms\_sharePoint\_usageData\_logging\_2013.ps1
  - Start in: C:\ProgramData\VMware\Log Insight Agent\sharepoint\scripts\
  - Trigger is set to Daily
  - Repeat task every 5 minutes for the duration of 1 day
  - Set to: Enabled

**Note:**

- For SharePoint 2013 default view 'SiteInventory' is not present, therefore there would be no data seen for the dashboard "Site Inventory Usage"
- The duration can be set as per the actual environment.

**liagent.ini configuration:**

- **Using Agent Group:**

The "**Microsoft - SharePoint**" content pack requires the use of the Log Insight agent with the cfapi protocol (default) and the included agent group configuration. To apply the agent group configuration:

- \* Go to the **Administration -> Management -> Agents** page (requires Super Admin privileges)
- \* Select the **All Agents** drop-down at the top of the window and select the **"Copy Template"** button to the right of the "**Microsoft - SharePoint**" agent group
- \* Add the desired filters to restrict which agent receive the configuration (optional)
- \* Select the "Refresh" button at the top of the page
- \* Select the "Save Configuration" button at the bottom of the page