



File System Monitor

Bayalink Liberty™

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Revision Record

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<i>All</i>	<i>New document</i>

Preface

Purpose

This document is to provide information regarding how to configure and use the Bayalink Liberty File System Monitor (FSM).

Bayalink Liberty File System Monitor Information

Introduction

The Bayalink Liberty File System Monitor (BLFSM) is an add-on to the Bayalink Liberty Viewer that will monitor and clean files that have been added on the local disk while the BLFSM is running.

The Bayalink Liberty File System Monitor can provide detailed information (specific file names and directory paths) in situations where the user is concerned about leaving data behind after removal of the key and shutdown of the Bayalink Liberty Viewer, and it gives the user the ability to act to clean/remove these residual files.

However, care should be taken, as in addition to files created by using the Bayalink Liberty Viewer, the BLFSM will also recognize and clean any other files that were created outside the realm of the Bayalink Liberty Viewer, during the period in which it was running.

Configuration

In order to enable the Bayalink Liberty File System Monitor, the user will need to modify the Bayalink Liberty Viewer configuration file. This file can be found in the following location

```
{ROOT OF KEY}\PROGRAM FILES\BAYALINK\VIEWER\BAYALINKVIEWER.EXE.CONFIG
```

Enabling the Bayalink Liberty File System Monitor

To enable the Bayalink Liberty File System Monitor, change the following entry:

```
<SETTING NAME="FILESYSTEMMONITOR_ENABLED" SERIALIZEAS="STRING">  
  <VALUE>FALSE</VALUE>  
</SETTING>
```

to

```
<SETTING NAME="FILESYSTEMMONITOR_ENABLED" SERIALIZEAS="STRING">  
  <VALUE>TRUE</VALUE>  
</SETTING>
```

Enabling the Bayalink Liberty File System Monitor “Auto-Start” Feature

The change required to set the Bayalink Liberty File System Monitor to “Auto-Start” on the startup of the Bayalink Liberty Viewer is to change:

```
<SETTING NAME="FILESYSTEMMONITOR_AUTOSTART" SERIALIZEAS="STRING">  
  <VALUE>FALSE</VALUE>  
</SETTING>
```

to

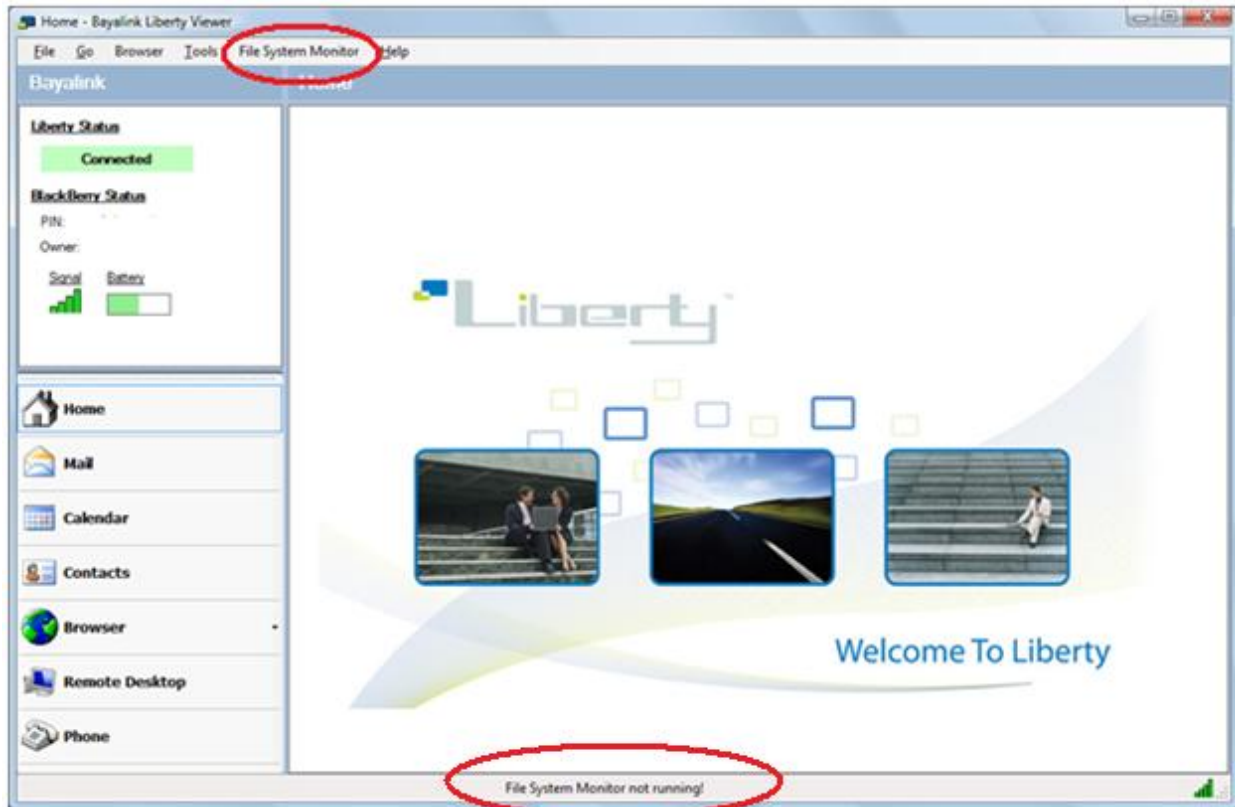
```
<SETTING NAME="FILESYSTEMMONITOR_AUTOSTART" SERIALIZEAS="STRING">  
  <VALUE>TRUE</VALUE>  
</SETTING>
```

How to Start the Bayalink Liberty File System Monitor

The Bayalink Liberty File System Monitor can be started two ways.

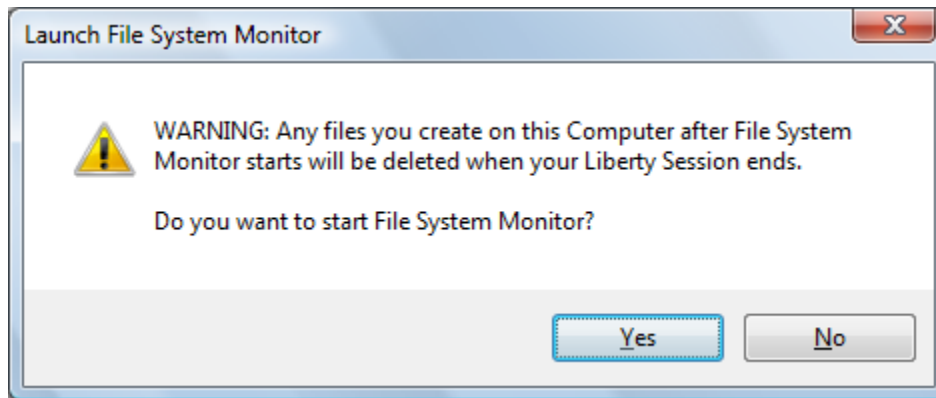
- 1) Manually from the Bayalink Liberty Viewer menu bar
- 2) Automatically, if configured to “Auto-Start” from within the Bayalink Liberty Viewer Configuration file (See “Configuration” section for details)

To start the Bayalink Liberty File System Monitor manually, select File System Monitor -> Start from the menu bar of the Bayalink Liberty Viewer.



You will notice that there is an informational message describing the status of the file system monitor in the status bar at the bottom of the Bayalink Liberty Viewer.

Upon startup, you will be prompted with the following message:



If your Bayalink Liberty Key is configured to "Auto-Start", then the message will be slightly different.



You will also notice a process running in Task Manager called "LIBERTYFSMONITOR.EXE". This is the main process controlling the Bayalink Liberty File System Monitor.

At this point, even though the actual Bayalink Liberty File System Monitor dialog window is hidden, the Bayalink Liberty File System Monitor is running and monitoring writes to your local drives.



Warning

From this point onwards any files created on your local disk will be flagged by the Bayalink Liberty File System Monitor for deletion.

This also INCLUDES files that were NOT created by Bayalink Liberty



Warning

Moving a file on your local disk from one location to another produces the same result as adding a new file to the local disk.

The Bayalink Liberty File System Monitor will flag it for deletion.



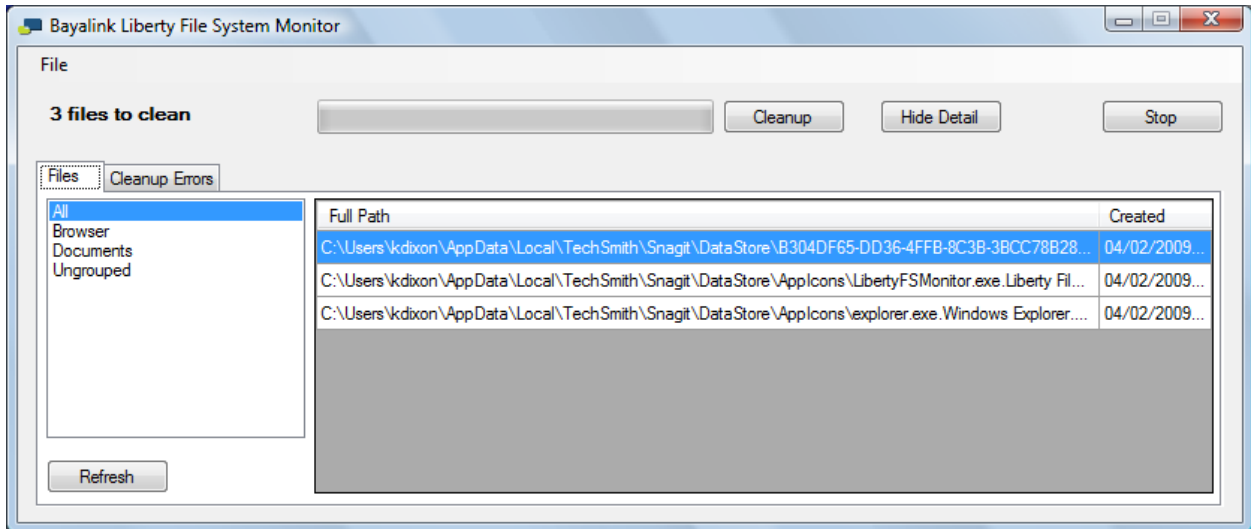
Warning

Operating system files are NOT monitored by the Bayalink Liberty File System Monitor.

This means that any writes to files in the list of “Exempt Folders” will not be cleaned up by the BLFSM. (defined “Groups and Exemptions” dialog window, and also defined below in the “Understanding the Bayalink Liberty File System Monitor Dialog Window” section)

Understanding the Bayalink Liberty File System Monitor Dialog Window

The Bayalink Liberty File System Monitor window (shown below) is the central hub of the system. To open this dialog select “File System Monitor -> Show” (after the BLFSM is started) from the Bayalink Liberty Viewer menu.



Message area

(top left quadrant) This message describes the number of files that are currently in the Bayalink Liberty File System Monitor’s “marked for deletion” list. In this example it is telling us that 3 files will be deleted.

Cleanup

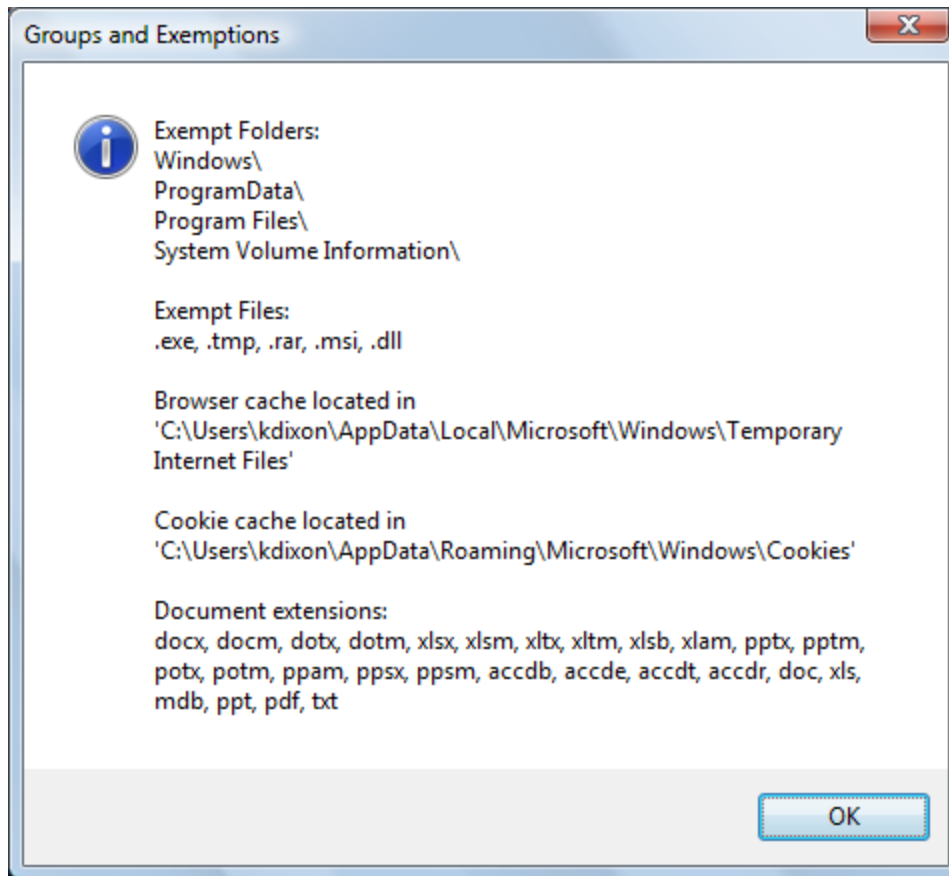
This button will execute the cleanup of the residual files that are in the “marked for deletion” list.

Stop

This button will stop the Bayalink Liberty File System Monitor from monitoring your local drives.


Files Tab

This tab will list all files in the “marked for deletion” list. Filter criteria are listed on the left hand side and can be chosen to assist in understanding the entries in the list. In order to understand what the criteria is for grouping the files in these filter categories choose “File->Groupings and Exemptions” from the menu bar.



Cleanup Errors Tab.

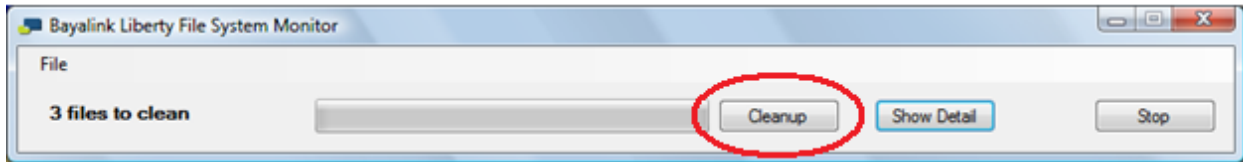
Occasionally, the delete attempt will fail and these errors will be displayed on this tab. The primary and most common reason for a delete failure is due to the file being open at the time the delete was attempted, however you may see other messages also.

 **Warning**

If there are errors produced on the cleanup you will need to be diligent to take note of these errors and manually clean these files.

How to Clean the Endpoint of Residual Files

To clean the endpoint of residual files (which means to process delete requests for all the files identified by the Bayalink Liberty File System Monitor) choose “Cleanup” from the Bayalink Liberty File System Monitor dialog window

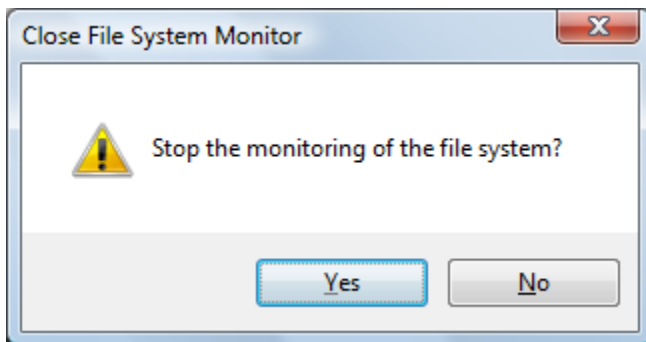


Exiting the Bayalink Liberty File System Monitor and Exiting the Bayalink Liberty Viewer

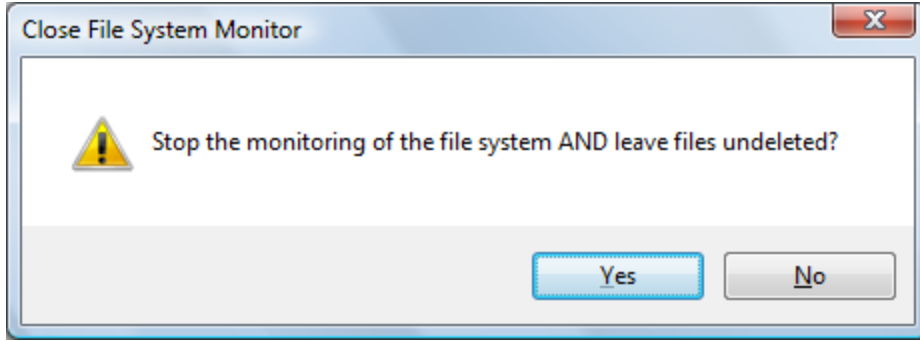
Bayalink Liberty File System Monitor Exit

To exit the Bayalink Liberty File System Monitor, choose “Stop” from the Bayalink Liberty File System Monitor dialog window.

If you have no files to be cleaned, you will be allowed to stop the monitor.



However, if you have files yet to be cleaned, you will be given the option to stop the monitor and to leave the file system as is (i.e. do not clean up the files on the “marked for deletion” list or to cancel the “stop” request and continue monitoring.




Bayalink Liberty Viewer Exit

If the Bayalink Liberty File System monitor is running when you attempt to shut down the Bayalink Liberty Viewer by either of the 3 standard methods

- 1) Bayalink Liberty Key pull
- 2) File-Close from the Bayalink Liberty Viewer
- 3) Close from handheld client app

then the monitor will automatically clean any files in its “marked for deletion” list before exiting the viewer.

Important



If you do not wish the Bayalink Liberty File System Monitor to clean the files upon exiting the Bayalink Liberty Viewer, you MUST specifically, stop the Bayalink Liberty File System Monitor first.

Bayalink Technical Support

Bayalink Solutions Corp. offers ONLINE technical support to Bayalink Liberty users for the duration of their license agreement. You can obtain technical support for your BlackBerry Liberty during the hours of 9am to 5pm EST, Monday through Friday, by each of the following ways

- Bayalink Technical Support Site: <http://www.bayalink.com/support>
(Knowledge Base, FAQ's, Product Documentation, Downloads)
- Create new support cases via Web form <http://www.bayalink.com/support>
(Select the "Request Technical Support" option in the self serve area)
- Create New Cases via e-mail support@bayalink.com