

# Managing Monitors

XpoLog comes with a built-in monitoring engine that enables you to monitor logs data and get alerts when defined criteria is met. The monitors console presents all defined monitors, their last execution time, and their last status (**failure = matching events were detected in the last execution and alerts were sent**, **success = matching events were not found in the last execution and alerts were not sent**).

## Alert Types

The monitors can be automated, and send alerts in various forms:

- **Email** - sends an email alerts to a list of users (make sure you have configured the required [mail settings](#) in XpoLog).
  - **Email Alert Advanced options**
    - **Data Attachment** it is possible to add to the email alert the following:
      - **Append event to end of email body:** add to the email body the latest log event that triggered the alert in the current execution
      - **Attach a dashboard:** attach to the email one of the existing Dashboards
      - **Attach matched events as:** attach to the email all the records which triggered the alert in the current execution as a files from one of the available types CSV / Tab Delimited / XML
        - **Check to zip the attached file:** in case '**Attach matched events as**' is checked - determine whether the attachment will be zipped or not.
    - **From Email Address** it is possible to customize the 'From' email address (by default the system email address will be used).
  - **SNMP Traps** - sends a SNMP trap (make sure you have configured the required [SNMP account](#) in XpoLog).
  - **JMS Messages** - sends a JMS message (make sure you have configured the required [JMS account](#) in XpoLog).
  - **Custom Scripting** - open mechanism which executes any script as part of the monitor's failure.
    - **Custom Scripting Details:** it is possible to export all the records which triggered the alert in the current execution to a file (Program/Script path=CMD echo "export").
    - **Custom Scripting Alert Advanced options:**
      - **Export Data** it is possible to export all the records which triggered the alert in the current execution to a file (it is also possible to export only selected fields under the Custom type) from one of the available types.
  - **REST API Call** it is possible to open a URL (POST/GET/PUT/DELETE) call and send information which was detected in the monitor execution.

**NOTE:** XpoLog can add additional information to the alerts from the logs and monitors which are executed such as log name, monitor name, log column content, etc. It is also possible to add selected log fields to monitor alerts by placing the following place holders (case sensitive):

- [SEARCH\_QUERY] = By default, the search query used in the search monitor is presented in the alert's subject. Occasionally, the search query may be long so it is possible to include this placeholder in the email body which will be replaced upon execution with the query.
- [COLUMN\_NAME] = the name of the column which its content will be included
- [MONITOR\_ID] = the unique id of the monitor
- [MONITOR\_NAME] = the name of the monitor
- [MONITOR\_STATUS] = the monitor status : 1 = failure , 0 = success
- [LOG\_NAME] = the log name that the included event is originated from
- [LOG\_ID] = the log name that the included event is originated from
- [HOST\_NAME] = the host name that the included event is originated from
- [APPS\_ID] = the application(s) name(s) that the included event is originated from
- [FOLDER\_NAME] = the parent folder name that the included event is originated from