Centinel: Beryllium: Release Notes

Contents

Major Features

- Stream collection: Syslog,AVRO and JSON streams were supported in Be-release
- Persistence: Flume based persistence layer. Hbase is used for persistence
- Search and analyze:
    - Support for SQL query.
    - Time range for search can be specified. Histogram for search results.
- Custom Dashboard :
    - Build pre-defined views on data by adding widgets. Domain expert can define search query and save results on dashboard.
    - Search result type : Counts, Search result histogram charts.
- Real-time event generation (Intercepted logs and Alarms) based on Rules :
    - Intercepted logs: Mechanism to route messages into categories in real time while they are processed like stream for audit logs(install bundle etc.) .
    - Alarms: Alerts get generated based on specific event matching in real-time. Alarm condition types includes Message count condition, Field value condition,Field string value condition
- Subscribe event: Northbound of Centinel can subscribe for events in real time by registering HTTP link to specified types of events. Subscribed

events will be sent to northbound via HTTP post operation.

- Web interface : Enable set rule, search, visualize, alert, dashboard, subscribe etc.

Target Environment

For Execution

- Requires Java 7 compliant runtime environment.
- Follow the user guide documentation to install OpenDaylight controller with centinel.

For Development

- Requires Java 7 compliant runtime environment, Maven version 3.1.1.
- Follow the user guide documentation to install OpenDaylight controller with centinel.
- Use Centinel UI and apidocs to check the creation of streams and rules and generate events.

Known Issues and Limitations

- Known Bugs

Bug ID	Description	Workaround
5311	Dashboard Widget : Histogram is not loaded with real-time values	No work around possible.
5310	Settings Tab : provided IP's are not cached	No work around possible.
4860	Synchronization of Centinel with Graylog.	No work around possible.
4857	For a particular stream, same stream Rule can be added any number of times.	No work around possible.
5318	Each line of exception received in log is treated as a separate message	No work around possible.
4854	Stream sub-rules edit/deletion support not present.	Delete entire stream and create new one .
5317	Event Tab UI : Message fields having large text overlap with next field.	UI issue. No work around possible.
5316	Dashboard Widget : Histogram delete button is not working	UI issue. No work around possible.
5314	Event Tab : Dropdown to get events for Stream or alarm with provided inputs is not giving required data	UI issue. No work around possible.

| 5313 | Event Tab : For intercepted logs graph is blank | UI issue. No work around possible. |