Restarting OpenNMS

This procedure indicates the order to follow when shutting down and restarting your OpenNMS system: OpenNMS core layer, persistence and messaging layer, and database layer.

Note that restarting the whole stack is rare. Usually, restarting the OpenNMS core happens for reconfiguration or to run upgrades. A core restart takes between 2–5 minutes depending on memory configuration. Minion and Sentinel restart faster.

Keep in mind that when shutting down the OpenNMS core, there will be no notifications, alarms, outage detection, performance data collection, thresholding, or flows. After restarting there will be gaps in your performance graphs for the shutdown time.

Restarting components in the persistence and messaging layer normally happens only for upgrades or catastrophic failures. Exercise caution with restarting components in this layer, since there is the risk of data loss.

1. Shutdown components in the following order:
    a. Dashboard applications such as Grafana and Kibana.
    b. OpenNMS Core application (Core, Sentinel, Minion), in any order.
    c. Persistence and messaging components such as PostgreSQL, Cassandra, Kafka, etc., in any order.
2. Restart components in the following order:
    a. Persistence and messaging must run first, in any order.
    b. OpenNMS Core application second, in any order.
    c. Dashboard applications like Grafana and Kibana last so they function properly.

    NOTE: You can restart dashboard applications at any time, but they will not show any useful information until all components in the persistence and OpenNMS layers have started.

Graphic appears on the next page.