SPM supports monitoring of both **MRv1** (0.22 and earlier, 1.0, 1.1) and **YARN** (0.23, 2.*) based Hadoop versions. Since the architecture is different, SPM uses different application types for them and different reports are available.

Common reports for all Hadoop types:

- Overview
- NameNode
- DataNode
- CPU & Mem
- Disk
- Network
- JVM
- GC

In addition to that, MRv1 versions also get the following reports:

- JobTracker
- JobTracker Queues
- TaskTracker

While reports specific for YARN versions are:

- ResourceManager
- ResourceManager Queues
- NodeManager

In some cases, some reports will be empty because particular Hadoop version doesn't expose some metrics over JMX. For instance, 0.20, 0.21, 0.22 **MRv1** versions of Hadoop will not have data in **JobTracker**, **JobTracker Queues** and **TaskTracker** reports (while 1.0 and 1.1 will have all reports populated). **NOTE**: regardless of this, you can monitor JVM stats of **JobTracker** and **TaskTracker** processes under JVM report for all **MRv1** versions (0.20, 0.21, 0.22 included). Also, since **SecondaryNameNode** doesn't expose specific metrics, it doesn't have a special report, but it can also be monitored under JVM report (for instance, you can create an alert to notify you when its heap size reaches some limit or drops to 0, meaning the process likely died).

All **YARN** versions (0.23, 2.*) will display all available reports and we expect all new Hadoop versions to continue behaving like that.

YARN versions don't have separate reports for the following components (since they don't expose specific metrics):

- **HistoryServer**
- **WebAppProxy**

However, you can still monitor these processes under JVM report, in the same way as **SecondaryNameNode** can be monitored in **MRv1** setups. You can also define any alerts which are based on JVM metrics which should be good enough for most situations.