

GUARDIUM ADMINISTRATION

SECOND INSTALLMENT - PART I -

Maintaining a Balanced Environment

Handling UnBalanced Collectors

#3.1 : HOW TO DETECT AND HANDLE UNBALANCED COLLECTORS

What is Unbalanced Traffic ?

- Simply speaking : some collectors are overloaded , other underloaded, or in other words, some received, **overall** way too much traffic as compared to others

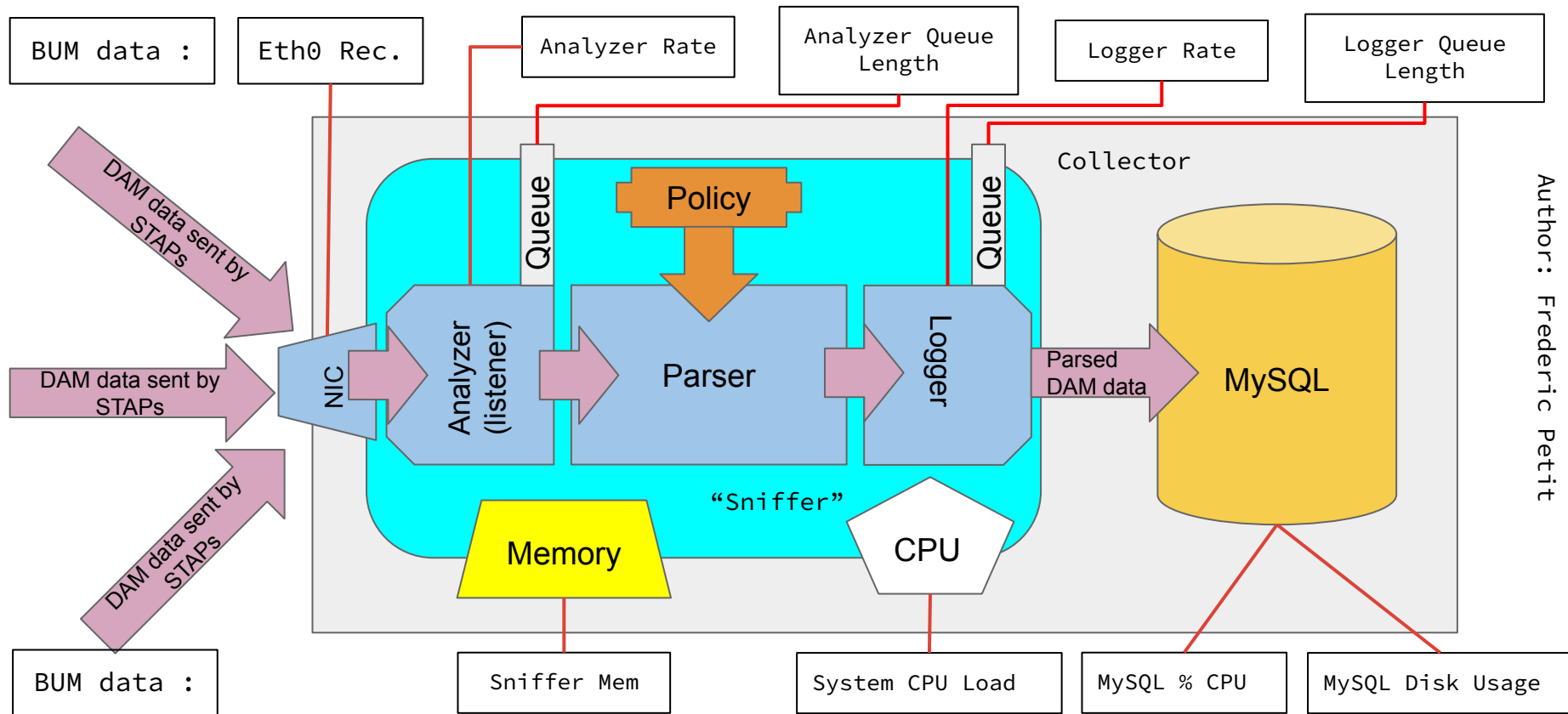
Why to watch for Overloaded vs. Underloaded Collectors ?

- Overloaded collectors tend to get into trouble and will require maintenance, which as such, Guardium teams should avoid
- It can degrade very quickly. Therefore you should be pro-active as being re-active can be too late

How to detect Overloaded vs. Underloaded Collectors ?

- Monitor BUM variables Eth0 received, Analyzer rate, Analyzer Queue Rate, System CPU Load, MySQL Disk Usage
- Compare the performances between collectors by ranking (see demo)
- Assess the contribution of each Agents on the Collector

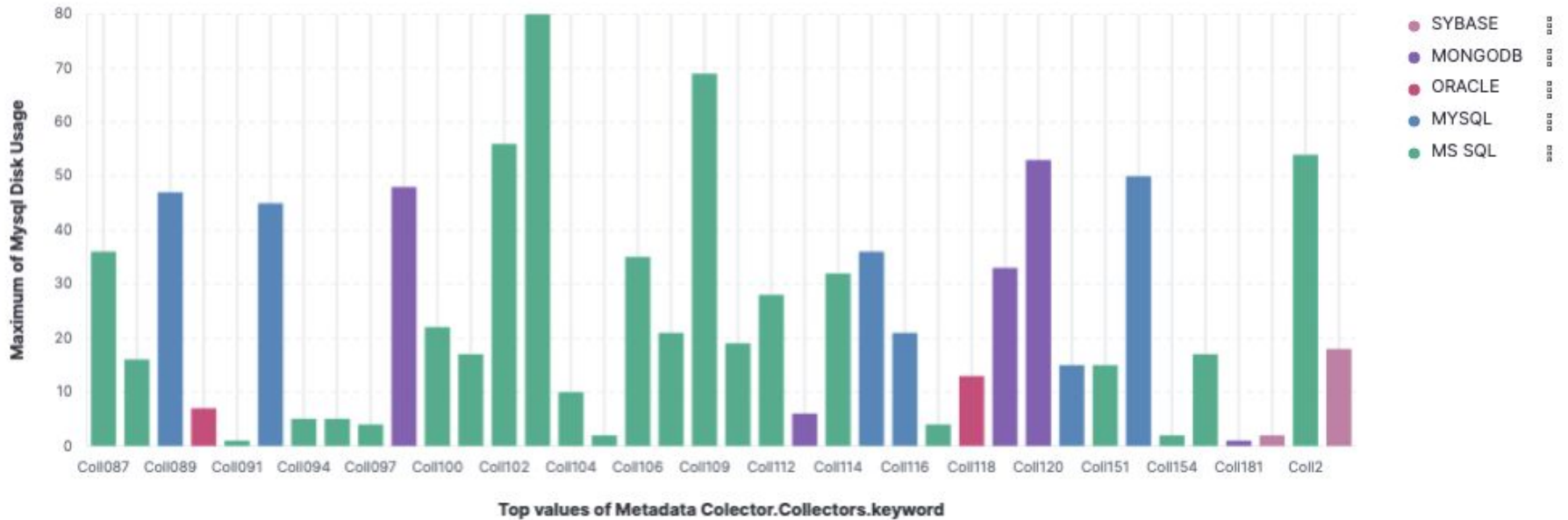
GUARDIUM COLLECTORS INTERNAL ARCHITECTURE AND THE BUM



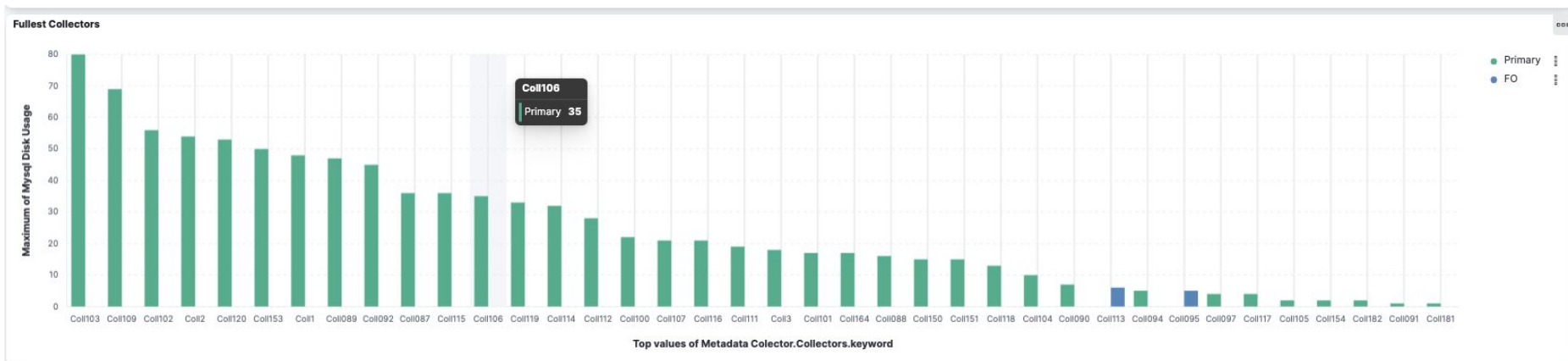
Author: Frederic Petit

MYSQL DATABASE STATE MONITORING

Per Collector

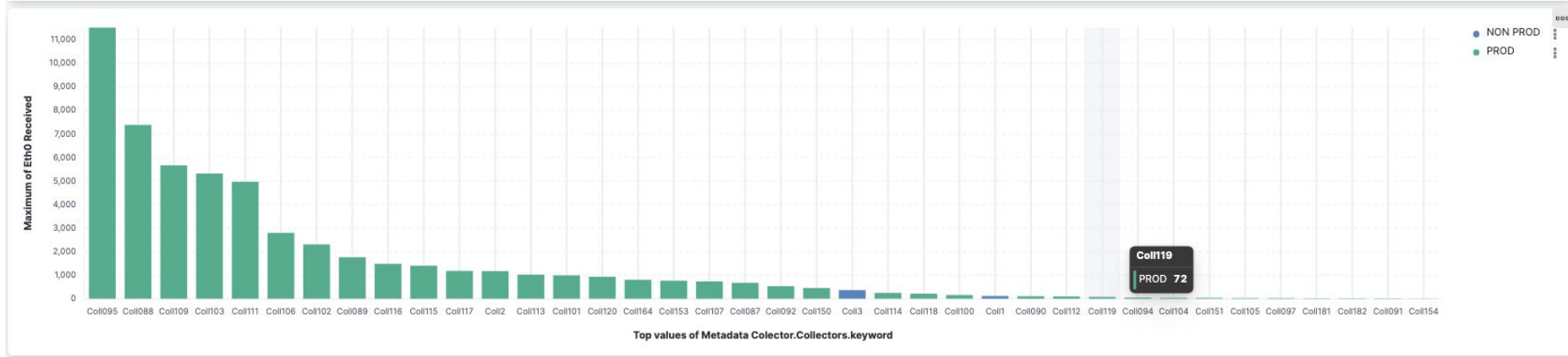


RANKED COLLECTORS FROM THE FULLEST TO THE LEAST FULL



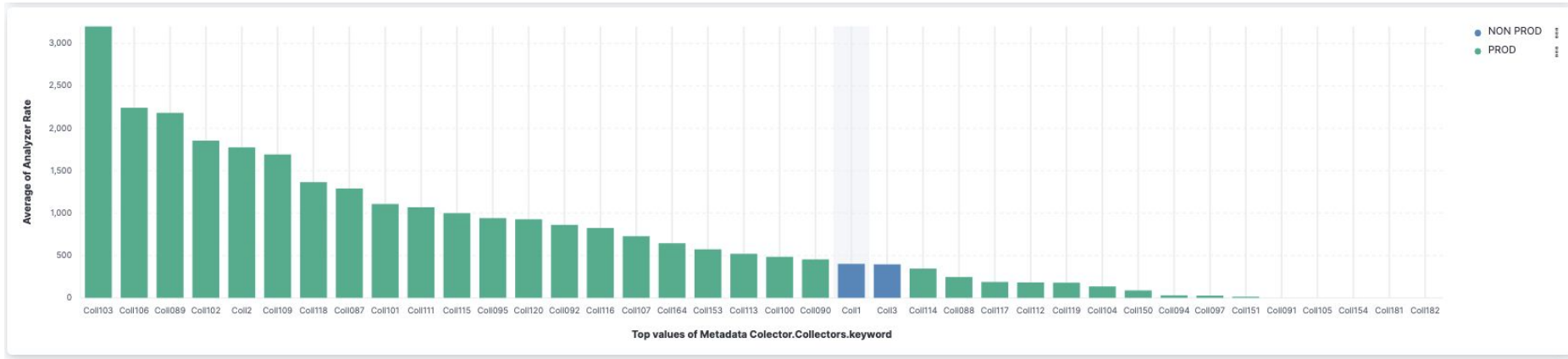
Collectors candidates to re-balancing : Coll103, Coll 109

RANKED COLLECTORS FROM THE LARGEST AMOUNT RECEIVED



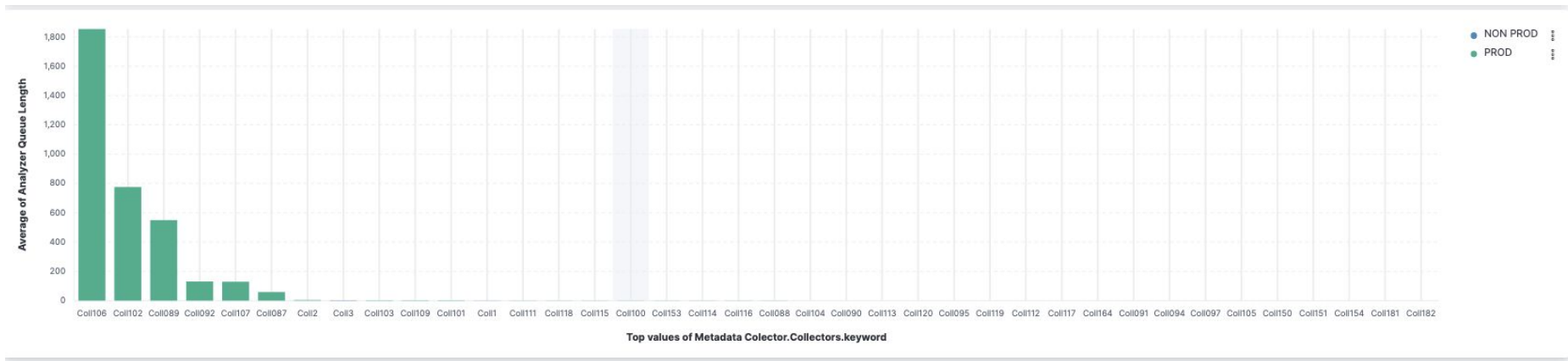
Collectors candidates to re-balancing : Coll095, Coll088

RANKED COLLECTORS FROM THE LARGEST AMOUNT PROCESSED



Collectors candidates to re-balancing : Coll103, Coll106, Coll089

RANKED COLLECTORS FROM THE LARGEST AMOUNT DELAYED



Collectors candidates to re-balancing : Coll106, Coll102

ASSESSMENT

Each of those variables per Collectors provide you with a “marching order” of the Collectors to re-balance.

In practice, the MySQL Disk Usage is the one to look at first. The most obvious option is to reduce the retention period. However this has a limit, as if you have reduced already the period at 1 day, you cannot reduce more. Therefore, you should always keep at least 7 days in order to have “room” for purge. But once reduced the retention period, you need other actions to recover that room.

This is what re-balancing offers but it requires additional investigation we will cover in Part II.

END OF PART I

Soon Video demo on my
YouTube Channel
Context 22

Part II Coming up :

How to determine what
Agents are most
contributing
