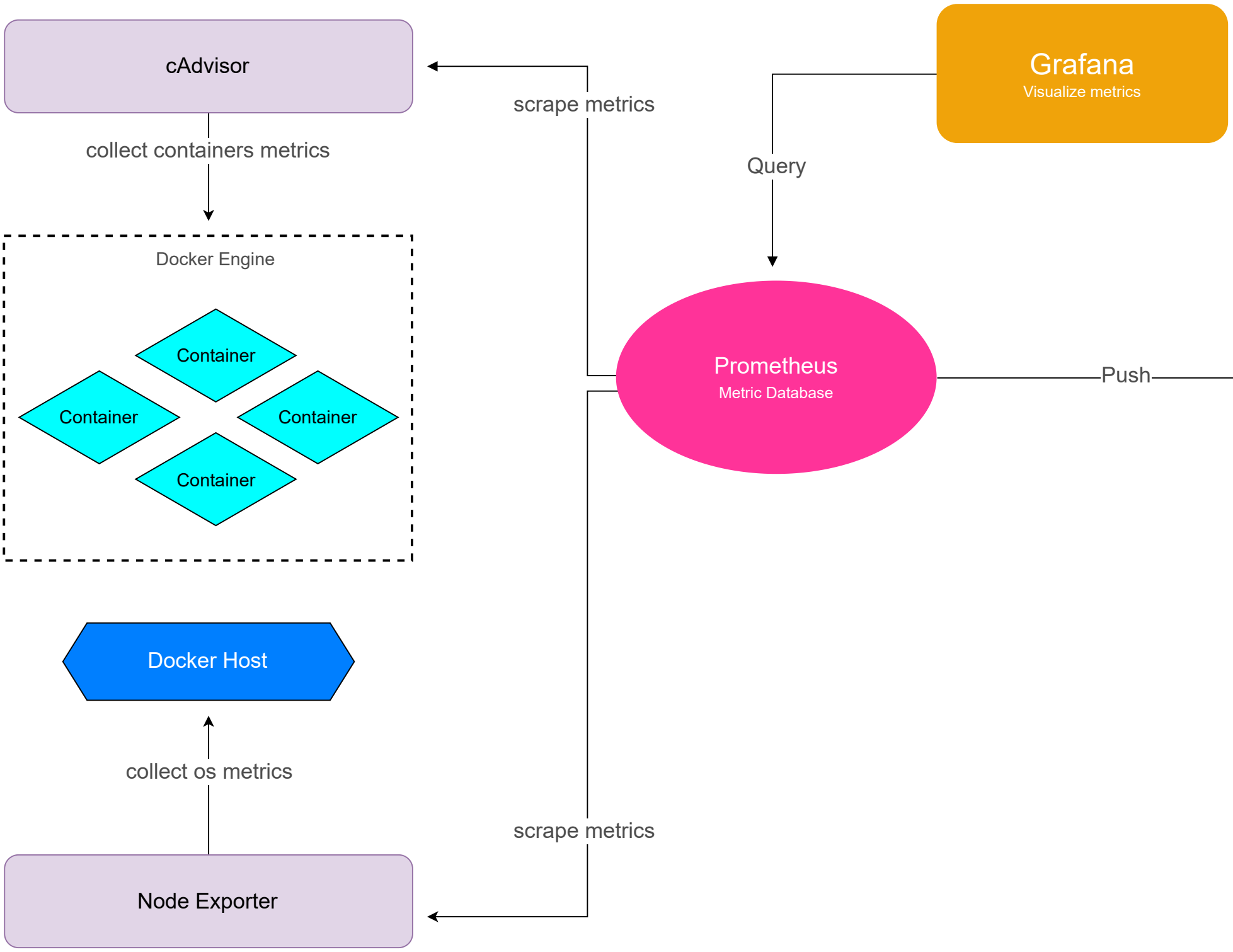
Monitoring-Architecture Container by : chandrafebrian99@gmail.com



1. Q : Explain your proposed solution

   A: saya membuat konsep desain monitoring untuk maintenance container yg sudah berjalan secara simple dan reliable

2. Q : What kind of tools do you use

   A: saya menggunakan tools sebagai berikut , Prometheus, Grafana ,cAdvisor, NodeExporter and AlertManager

3. Q : Draw the system architecture with detail flow and relationship

   A: saya sudah membuat gambar sistem arsitektur dengan alur detail nya :
   - containers docker di monitoring oleh node expoter dan cadvisor lalu di ambil data metric
   - lalu prometheus collect scape metrics dari node expoter dan cadvisor
   - di lanjutkan lagi grafana collect dengan query ke prometheus metric database , untuk di visualisaikan kedalam grafana agar lebih mudah dan readable saat cek monitoring semua aktifitas yg terjadi
   - lalu prometheus bisa langung push/mengirim notif ke tool alert manager jika terjadi contoh : ALERT high_cpu_load , ALERT high_memory_load, ALERT monitor_service_down and etc. semua notif bisa di kirim otomatis langsung ke email , slack dan pushover

4. Q : Explain Advantage and disadvantage

   A: Advantage :
   This monitoring architecture design, easy to maintain, scalable provides a lot of information about metrics collection quickly so that you can make decisions in the future, stable and reliable

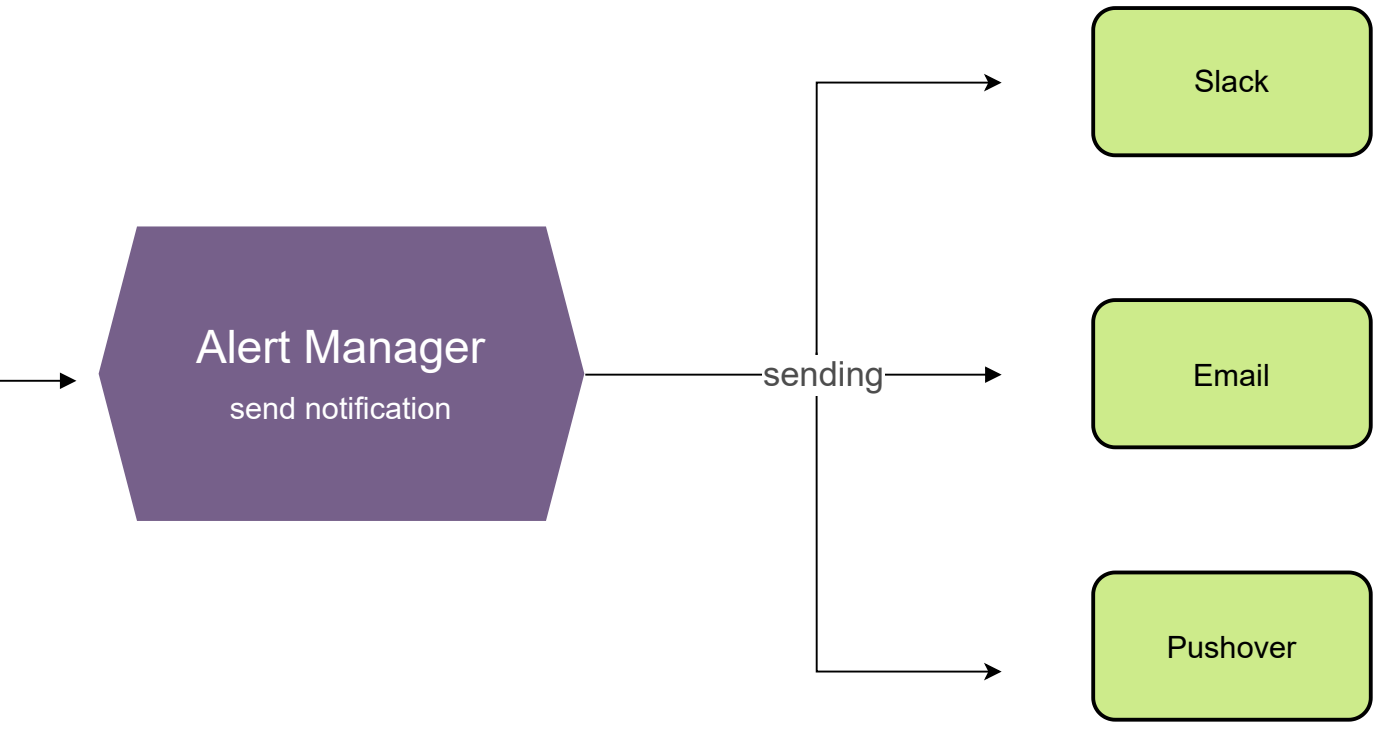
   disAdvantage :
   - It is limited on the reporting type supported, which is important for managerial-level officers who want reports that are either general or specific.

   - Trigger limits are difficult to see in a graph.

   - If there was an issue on one node, we couldn't drill down and see all the issues on other nodes.

5. Q : Explain the cost wise

   A: Reduce costs and increase performance with query caching in Grafana Cloud


Alert Manager
send notification
sending
Slack
Email
Pushover