



BY Developers FOR Developers

Storage Developer Conference
September 22-23, 2020

Predictive analysis of storage health and performance for heterogeneous environment

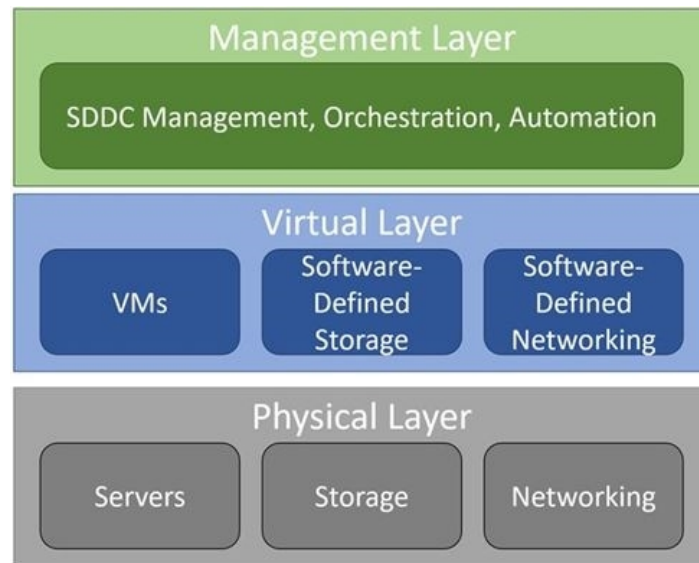
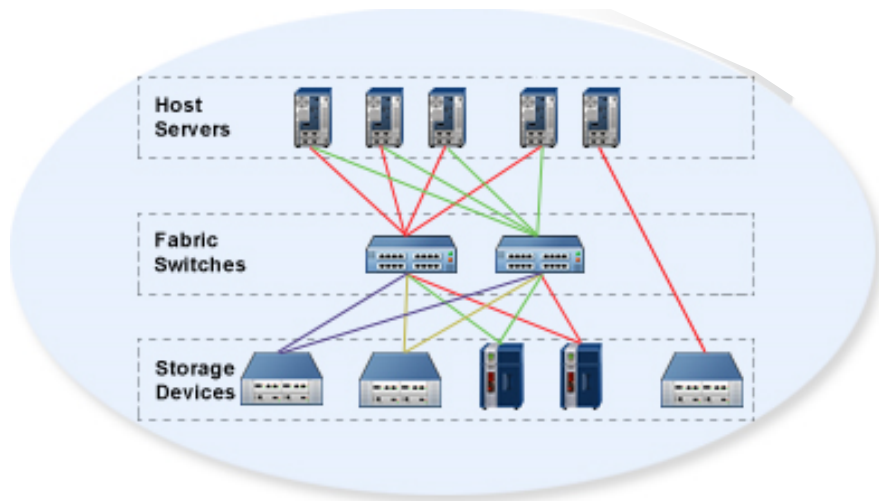
Najmudheen & Xulin
Huawei Technologies



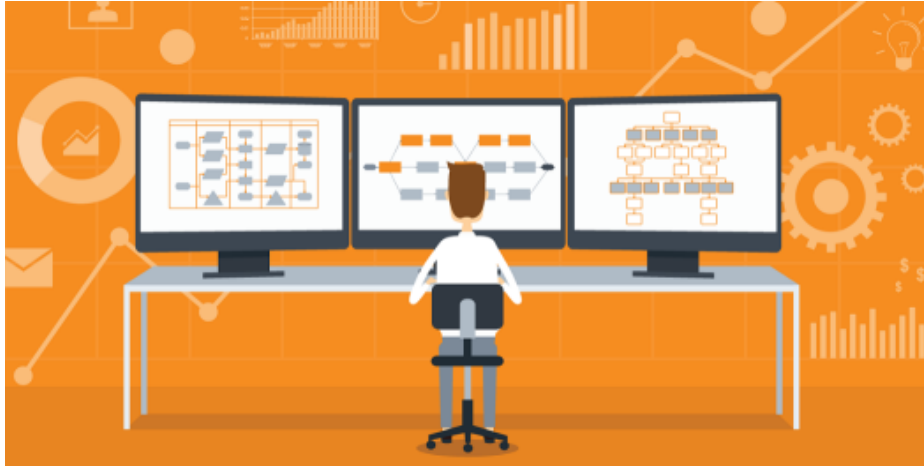
Agenda

- A glance to modern data center
- Need for telemetry on Infrastructure
 - Delfin – an open source Infrastructure monitoring and alerting framework
- Predictive analytics using ML
 - Anomaly detection algorithms
- SODA
 - Bringing telemetry and anomaly detection together

A glance to modern data center

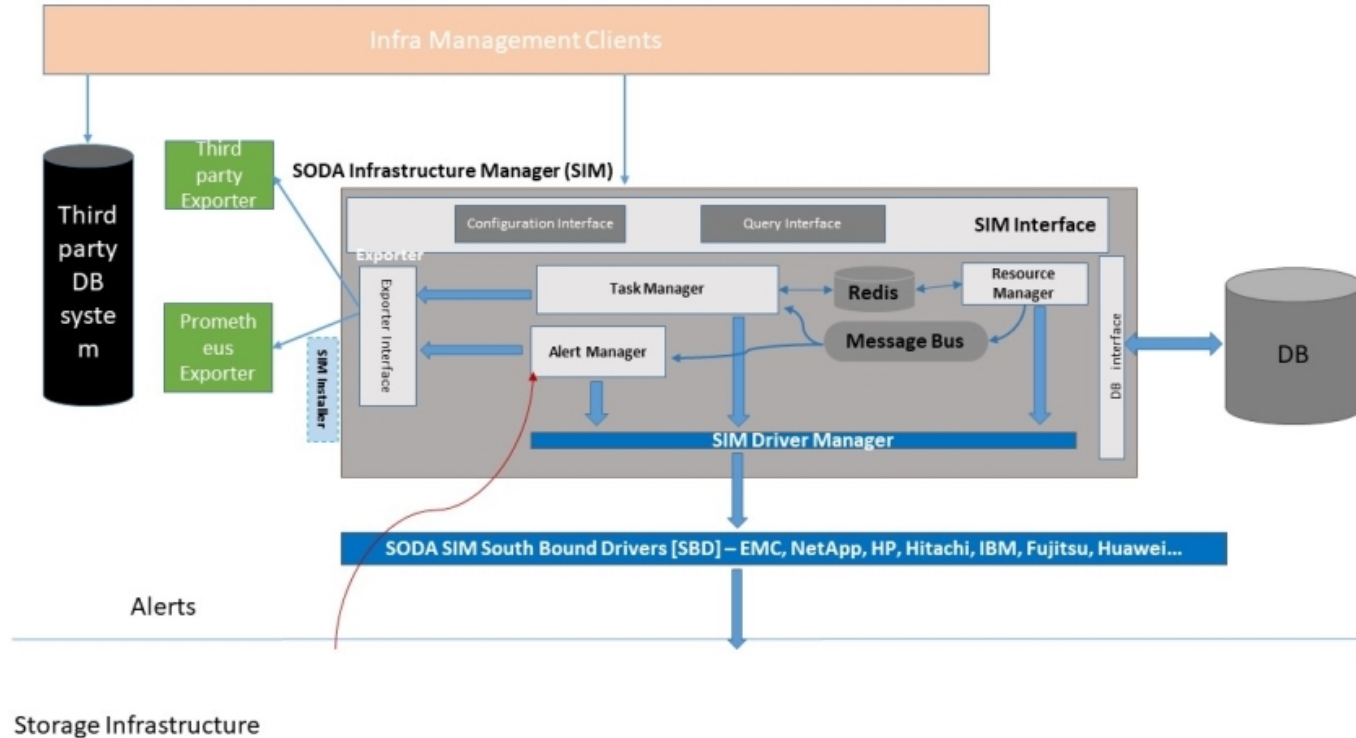


Need for Telemetry



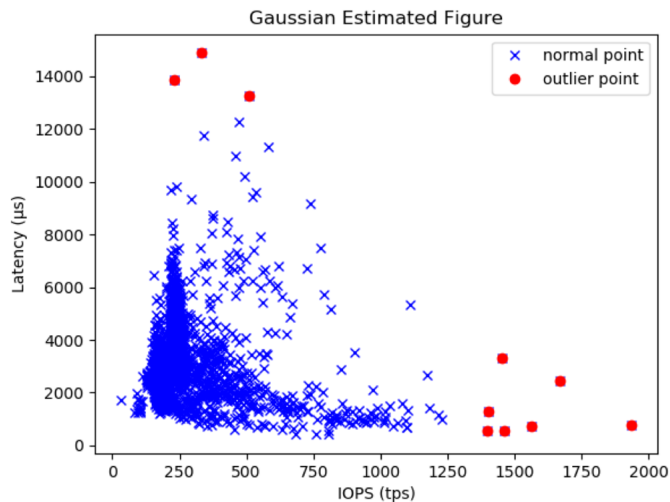
- storage resource management tools can be invaluable to organizations that need to simplify and optimize their storage infrastructure.
- Every vendor has monitoring and reporting software for visualizing and analysing.
- Different metrics of Capacity, Performance and configuration updates are to be monitored .

Delfin – an open source Infrastructure monitoring and alerting framework

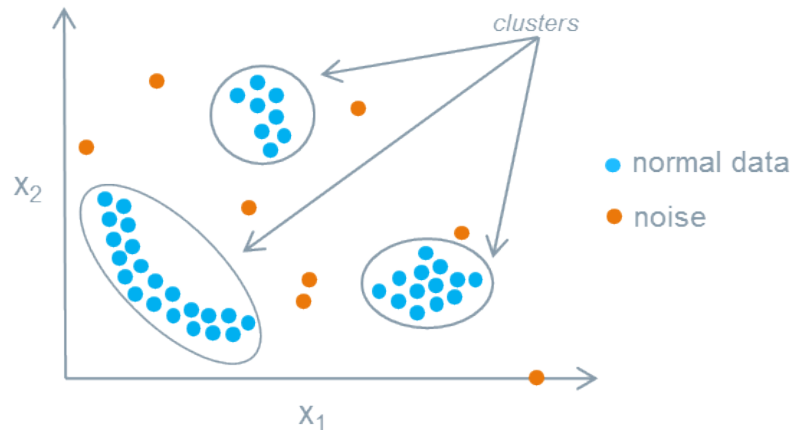


Anomaly detection : algorithms

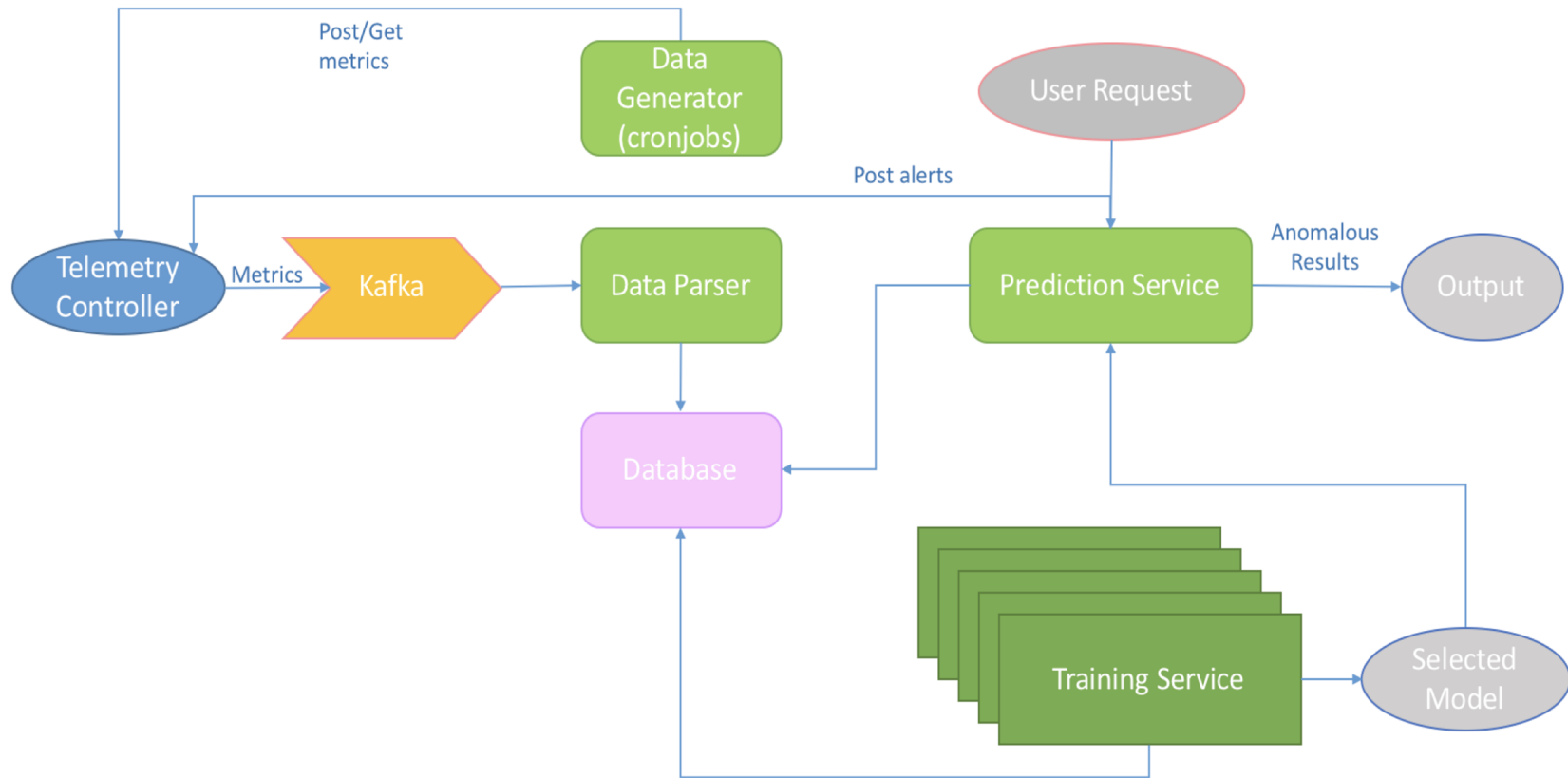
■ Guassian



■ DBScan



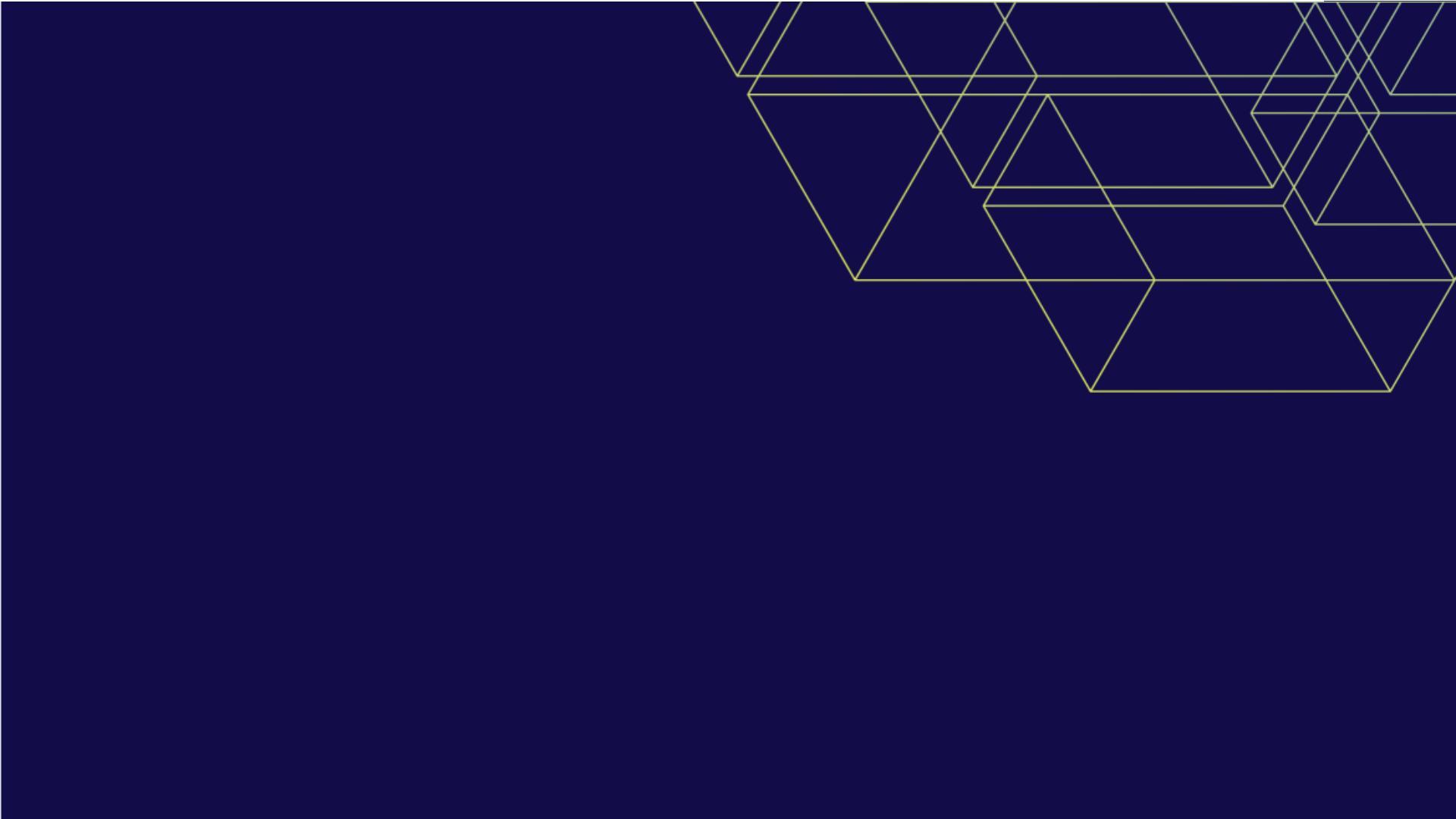
SODA : Bringing telemetry and anomaly detection together





**Please take a moment
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Your feedback matters to us.



- Bullet one
 - Bullet two
 - Bullet 3
 - Bullet 4