COLLECTD PROMETHEUS INTEGRATION

Readout on collectd Prometheus integration, 12 September 2017.

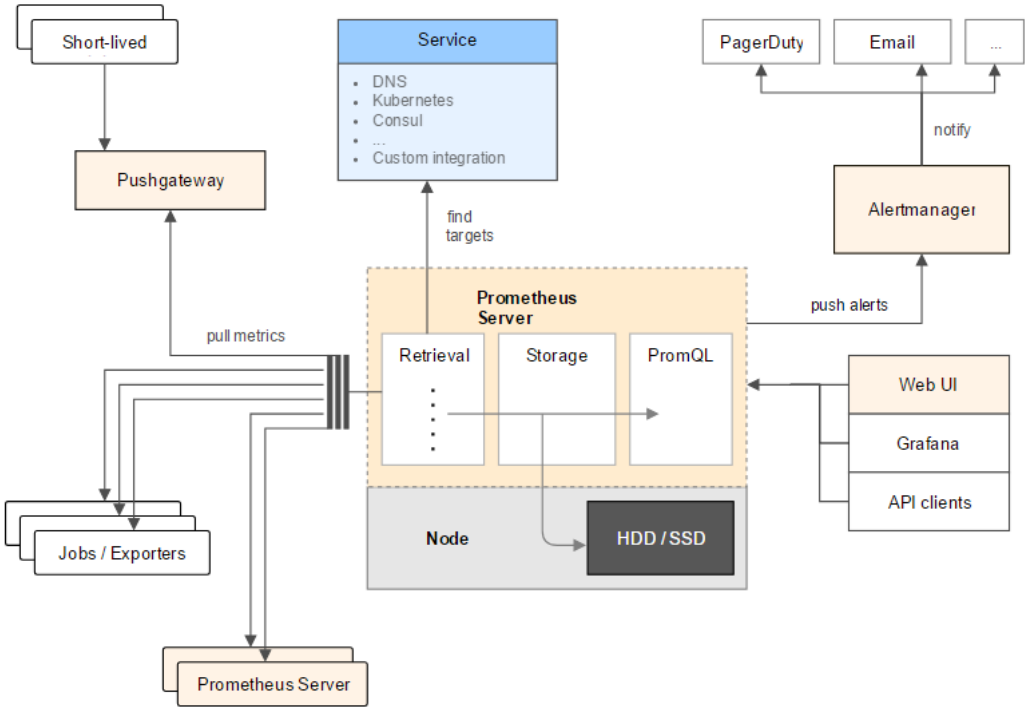
PROMETHEUS

Prometheus is an open-source systems monitoring and alerting toolkit originally built at SoundCloud.

Prometheus's main features are:

- a multi-dimensional data model (time series identified by metric name and key/value pairs)
- a flexisble query language to leverage this dimensionality
- no reliance on distributed storage; single server nodes are autonomous
- time series collection happens via a pull model over HTTP
- pushing time series is supported via an intermediary gateway
- targets are discovered via service discovery or static configuration
- multiple modes of graphing and dashboarding support

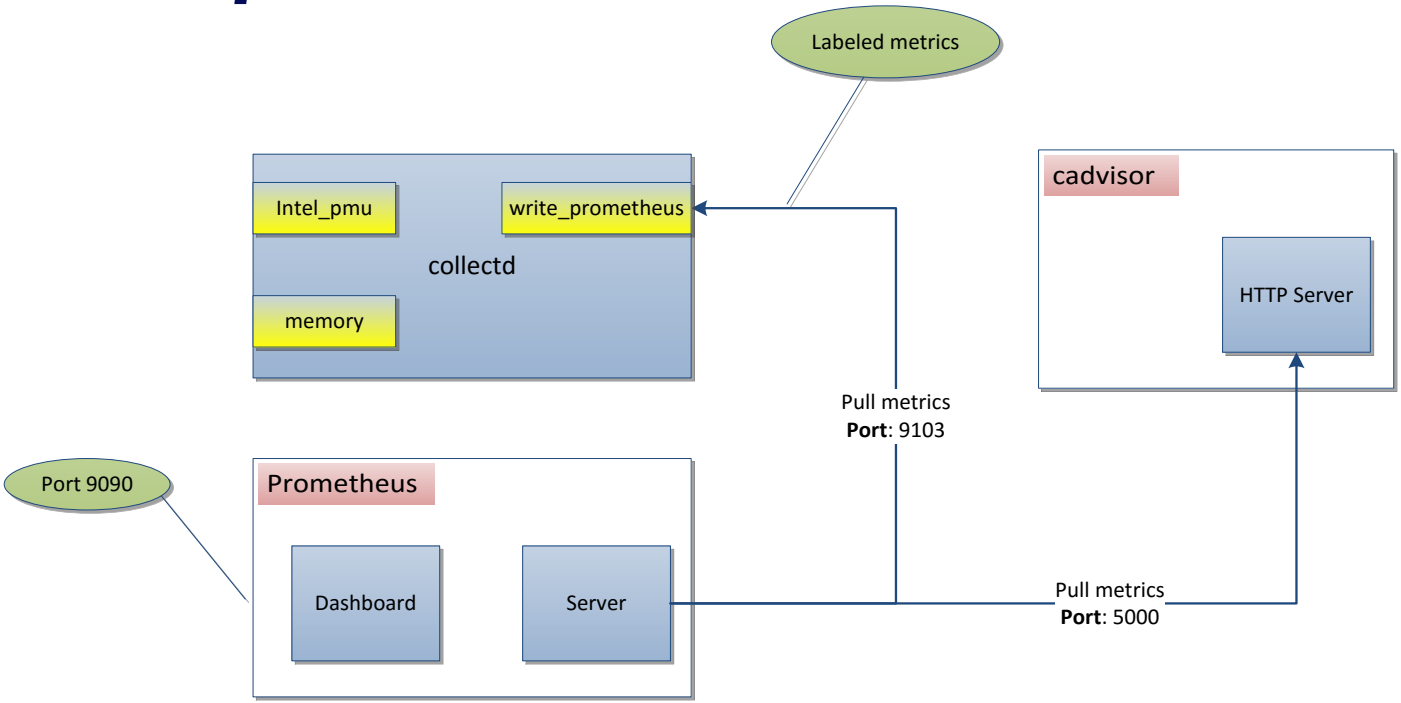
PROMETHEUS ARCHITECTURE



PROMETHEUS DOES NOT SUPPORT

- raw log / event collection
- request tracing
- “magic” anomaly detection
- automatic horizon scaling
- user / auth management

COLLECTD/CADVISOR INTEGRATION WITH PROMETHEUS



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