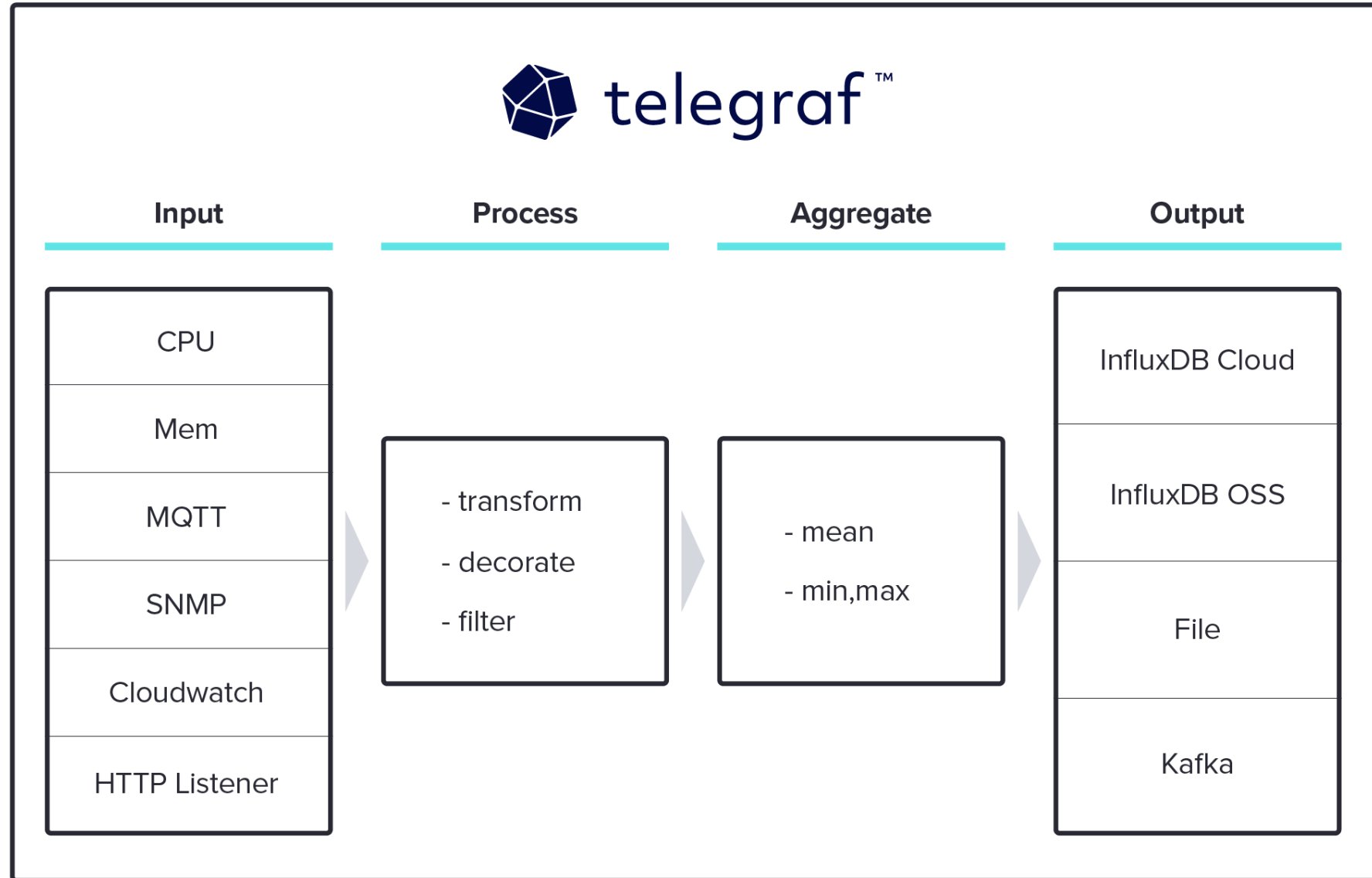


Telegraf

NHR Monitoring Workshop 2022 | 18.07.22

Michael Ott

Overview



300+ available Plugins



- Input:
 - Node metrics: CPU, GPU, memory, disk, network, Im-sensors, syslog
 - IT management: REST, SNMP, IPMI, Redfish
 - Building: Modbus, MQTT
- Process
 - Parser, Regex, Rename
 - Starlark: python-like scripting
- Aggregate
 - Min/Max/Mean, Sum, Difference, Variance, Standard deviation
 - Histogram
- Output
 - MQTT, Kafka, CSV, JSON, REST, Influx, Prometheus, Graphite

- Pro
 - Plugins for most data sources readily available
 - Data can be manipulated as it streams through the processing pipeline
 - Output can be written to multiple destinations in parallel (with filtering)
 - Possibility to combine data from different sources
- Con:
 - Configuration of plugins can be cumbersome
 - Each plugin has different parameters
 - Organization/Naming of metrics follows InfluxDB line protocol schema
 - No built-in arithmetic operators (only via Starlark plugin)