

Monitoring

Alert:

n., meaningless event, signifying nothing of importance.

see also: *False Positive*

False Positive:

n., an alert that you wish to ignore, because it is accurate.

see also: *Alert*

Threshold:

n., something to adjust until the alerts stop.

v., an activity that is often discussed, never performed.

Acknowledge:

v., to ignore intentionally.

n. -ment, a problem that has been intentionally ignored.

see also: *Downtime*

Downtime:

v., to ignore a problem with great prejudice, often lasting for months.

see also: *Acknowledge*

Change:

v., to cause irreparable harm to production systems.

n., something absolutely required by fictitious clients.

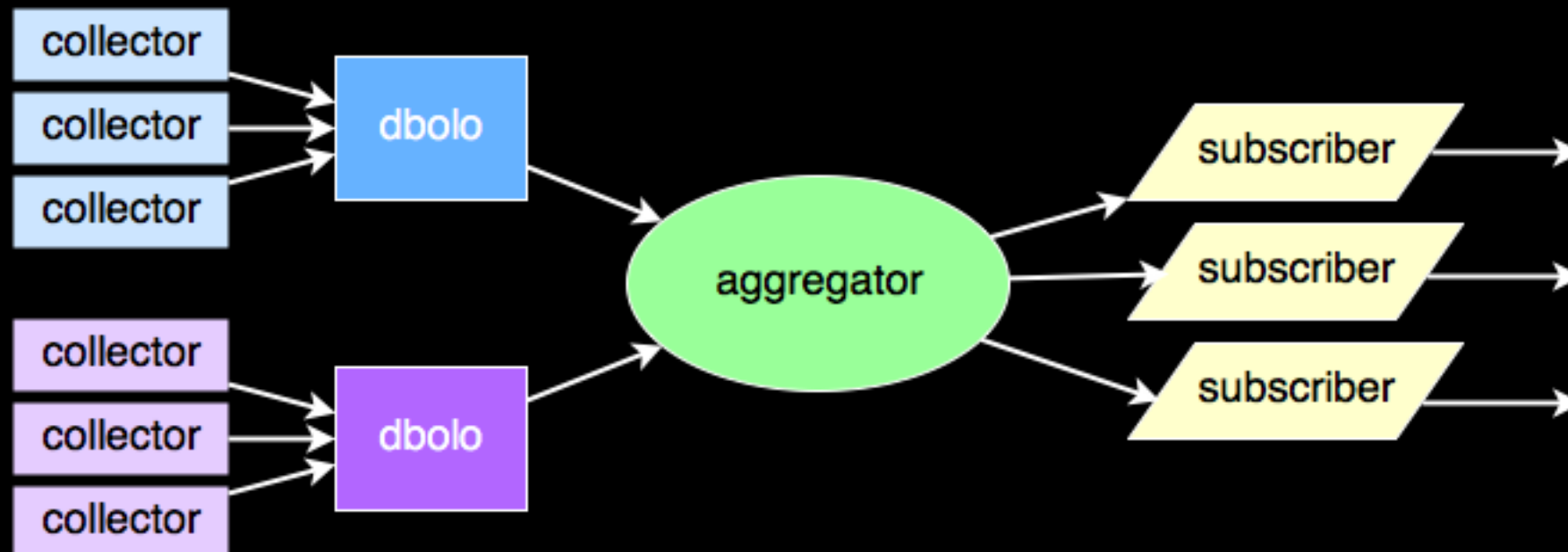
Rollback:

v., mythical feat by which broken changes are undone.

Bolo

<https://github.com/bolo/bolo>





Data Collected

SAMPLE	point-in-time measurement of a continuous variable, like memory usage.
RATE	calculated rate of change of a continuous variable
COUNTER	calculated rate of change of an ever-increasing counter (packets sent)
STATE	a check in the more traditional sense. (is nginx running?)
EVENT	a non-regular occurrence. (lnghuyen just logged into the machine)
KEY	some piece of information about the system (the hostname is shell01.dev)

Collectors

linux	load, CPU / memory / disk usage, I/O paging / VMMU, processes, open files, network interface throughput / errors
process	open files, CPU / memory usage, I/O
files	number / size of found matching files
httpd	apache / nginx scoreboard stats
iptables	rule traversal statistics (how many packets did we get to port 80?)
postgres	number of backends, transactions per sec, databases and tables sizes, etc.
rrdcache	cache hits, tree depth, queue length

Subscribers

<code>bolo2rrd</code>	track metrics in RRD (round-robin database) files
<code>bolo2slack</code>	notify on state changes to a Slack user or channel (WIP!)
<code>bolo2console</code>	ncurses display of metrics
<code>bolo2redis</code>	store KEY data in redis
<code>bolo2pg</code>	store state and event data in postgres (metrics coming soon?)
<code>bolo2log</code>	log events / states to syslog (or a flat file)

Flexibility

eot