



이재용

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WARN: 대단한 내용은 없습니다.
그냥 오픈소스 *contribution* 썰풀기입니다.



telegraf?

백그라운드부터 파보겠습니다.

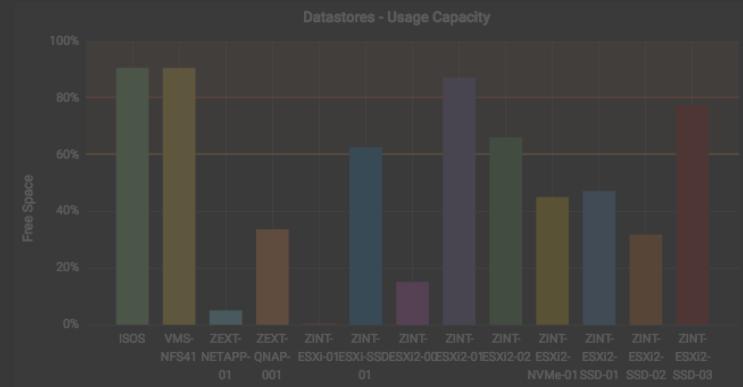
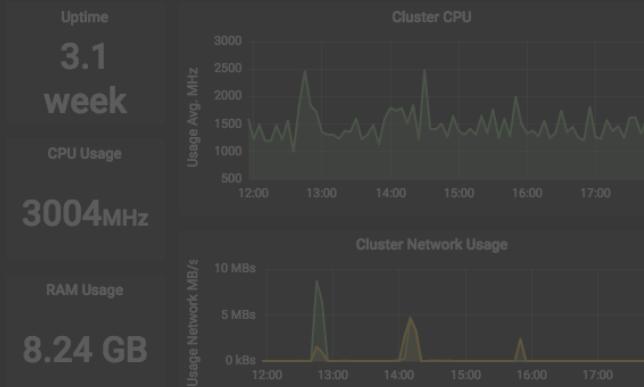


VMware vSphere - Overview

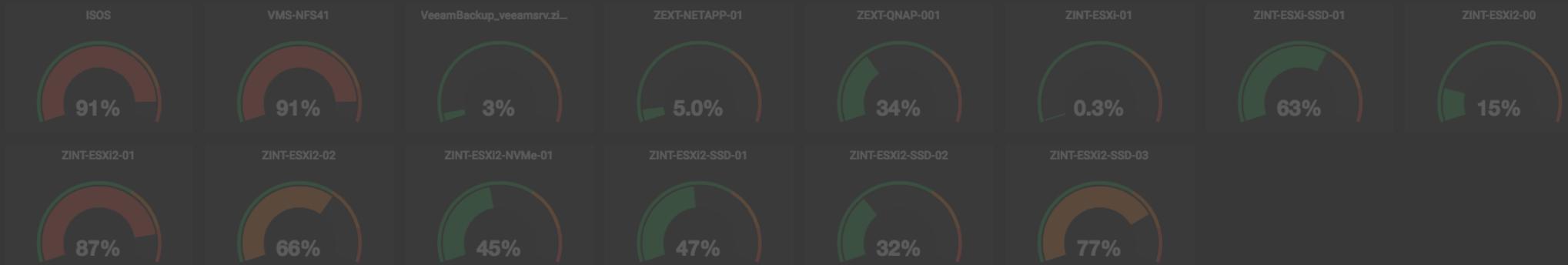
9월 30, 2018 11:55:17 to 9월 30, 2018 17:55:17

Sampling auto vCenter Server All Cluster All ESXi Server All Datastore All VM All

Cluster Status

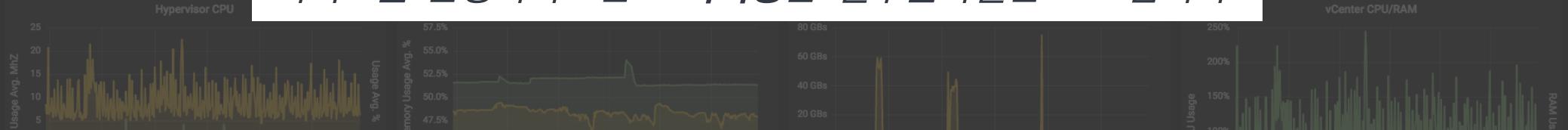


Datastore Status



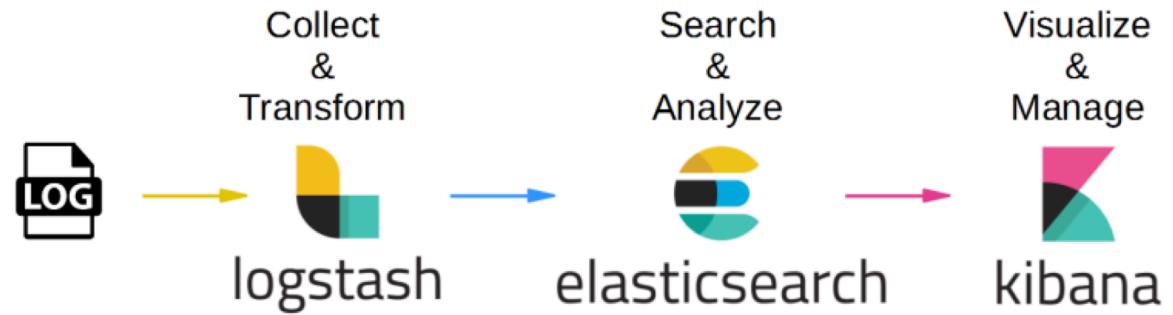
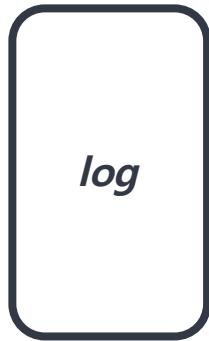
서비스를 운영하다보면 모니터링은 필수불가결한 요소입니다.

Hypervisor Status





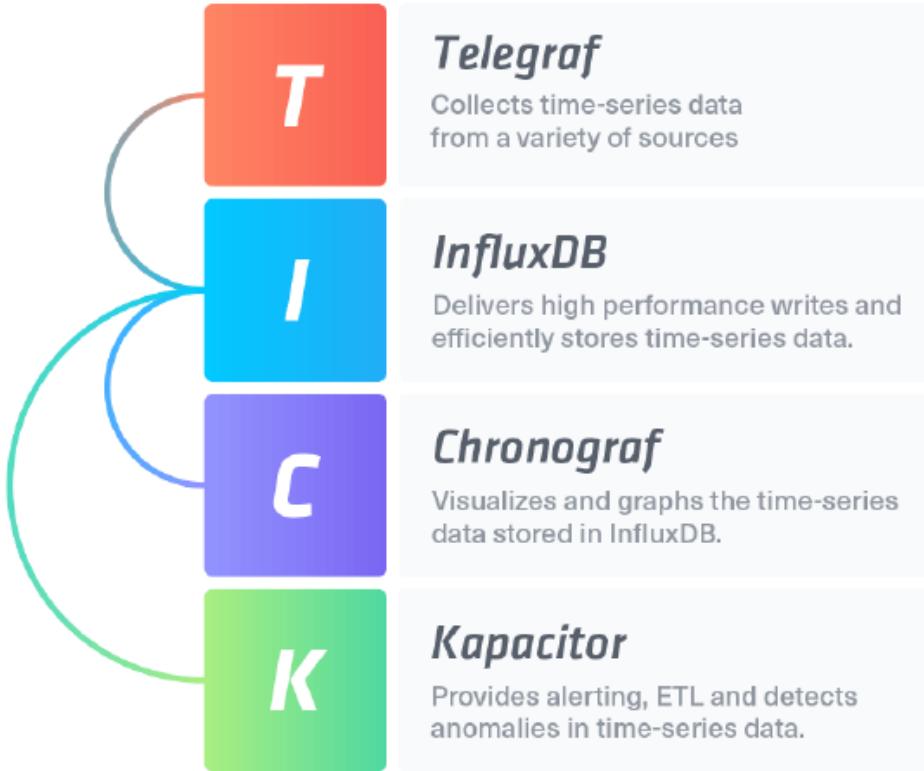
일반적으로 모니터링 플랫폼은 이런 흐름을 가집니다.



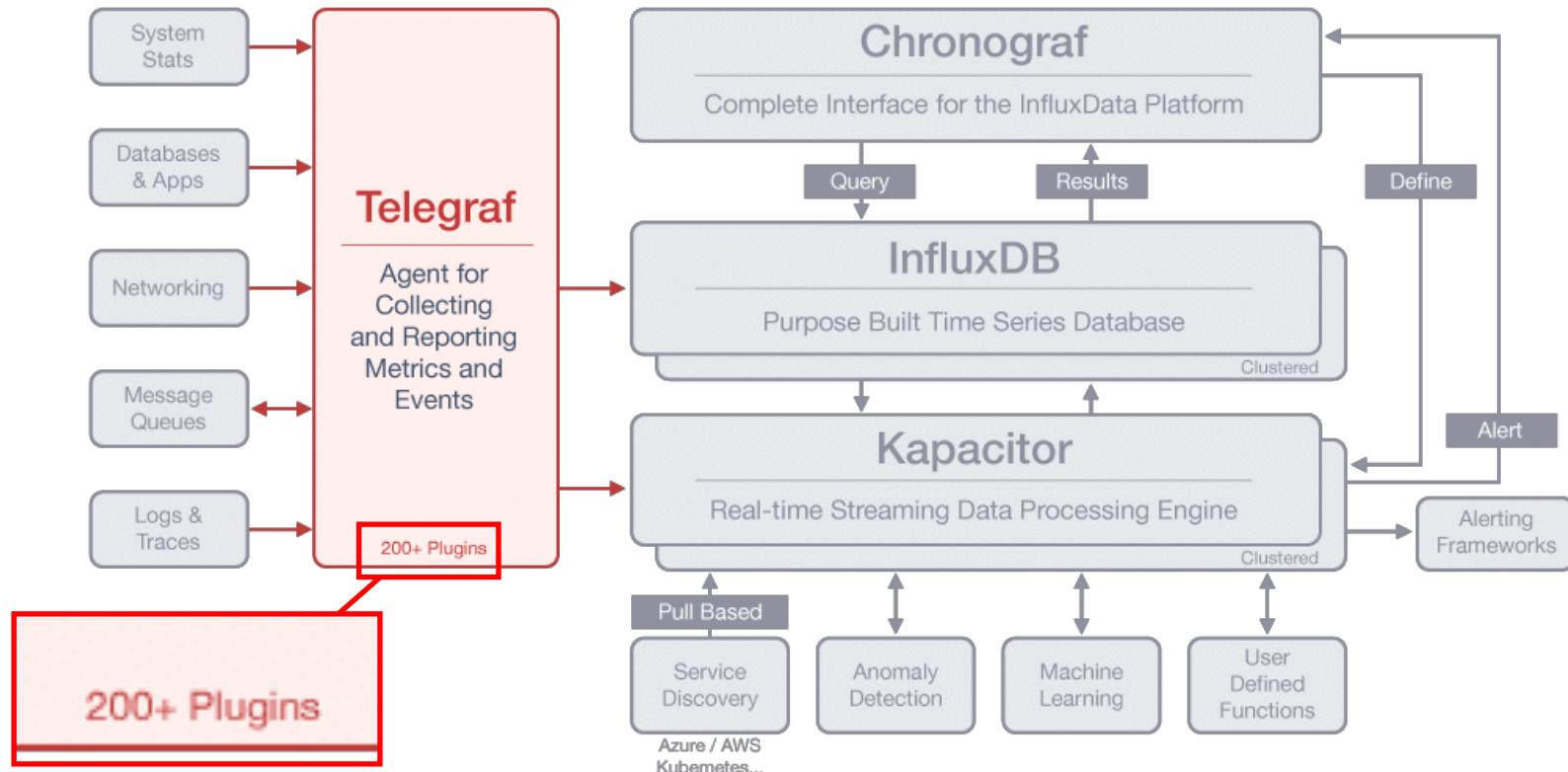
 Prometheus



수집 방식은 **로그 수집**과 **메트릭 수집** 방식으로 나뉩니다.



TICK stack



Telegraf는 굉장히 쓰임새가 많은 메트릭 수집 에이전트입니다.

Input Plugins

- activemq
- aerospike
- amqp_consumer (rabbitmq)
- apache
- aurora
- aws cloudwatch
- bcache
- beanstalkd
- bond
- burrow
- cassandra (deprecated, use jolokia2)
- ceph
- cgroup
- chrony
- contrack
- consul
- couchbase
- couchdb
- cpu
- DC/OS
- diskio
- disk
- disque
- dmcache
- dns query time
- docker
- dovecot
- elasticsearch
- exec (generic executable plugin, support JSON, influx, graphite and influxdb)
- fail2ban
- fibaro
- file
- filestat
- filecount
- fluentd
- graylog
- haproxy
- hdtemp
- httpjson (generic JSON-emitting http service plugin)
- http_listener (deprecated, renamed to influxdb_listener)
- http_listener_v2
- http (generic HTTP plugin, supports using input data formats)
- http_response
- icinga2
- influxdb
- influxdb_listener
- internal

- interrupts
- ipmi_sensor
- ipset
- iptables
- ipvs
- jenkins
- jolokia2 (java, cassandra, kafka)
- jolokia (deprecated, use jolokia2)
- jt_openconfig_telemetry
- kafka_consumer
- kapacitor
- kernel
- kernel_vmsstat
- kibana
- kubernetes
- leofs
- linux_sysctl_fs
- logparser
- lustre2
- malchimp
- mcrouter
- memcached
- mem
- mesos
- minecraft
- mongodb
- mqtt_consumer
- mysql
- nats_consumer
- nats
- net
- net_response
- netstat
- nginx
- nginx_plus
- nginx_plus_api
- nginx_vts
- nsq_consumer
- nginx_vts
- nsq
- nstat
- ntpq
- nvidia_smi
- openldap
- opensmtpd
- pf
- pgbounce
- phpfdm
- phusion passenger

- ping
- postfix
- postgresql_extensible
- postgresql
- powerdns
- processes
- procstat
- prometheus (can be used for Caddy server)
- puppetagent
- rabbitmq
- raindrops
- redis
- rethinkdb
- riak
- salesforce
- sensors
- smart
- snmp_legacy
- snmp
- socket_listener
- solr
- sql server (microsoft)
- statsd
- swap
- syslog
- sysstat
- system
- tail
- temp
- tcp_listener
- teamspeak
- tengine
- tomcat
- twemproxy
- udp_listener
- unbound
- varnish
- vsphere VMware vSphere
- webhooks
 - filestack
 - github
 - mandrill
 - papertrail
 - particle
 - rollbar
- win_perf_counters (windows performance counters)
- win_services
- wireless
- zfs
- zipkin
- zookeeper

Parsers

- InfluxDB Line Protocol
- Collectd
- CSV
- Dropwizard
- Graphite
- Grok
- JSON
- Logfmt
- Nagios
- Value, ie: 45 or "booyah"
- Wavefront

Serializers

- InfluxDB Line Protocol
- JSON
- Graphite
- SplunkMetric

Processor Plugins

- converter
- enum
- override
- parser
- printer
- regex
- rename
- strings
- topk

Aggregator Plugins

- basicstats
- minmax
- histogram
- valuecounter

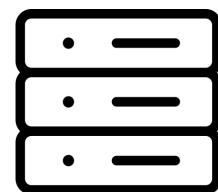
Output Plugins

- influxdb (InfluxDB 1.x)
- influxdb_v2 (InfluxDB 2.x)
- amon
- amqp (rabbitmq)
- application_insights
- aws kinesis
- aws cloudwatch
- azure_monitor
- cratedb
- datadog
- discard
- elasticsearch
- file
- graphite
- graylog
- http
- instrumental
- kafka
- librato
- mqtt
- nats
- nsq
- opentsdb
- prometheus
- riemann
- riemann_legacy
- socket_writer
- stackdriver
- tcp
- udp
- wavefront

FACT: 198 plugins...

Arch	Platform	Package	SHA256
amd64	Debian	telegraf_1.9.1-1_amd64.deb	0376d64d87754bb704b731e874b01cc6bfdd968ef8c45ca
amd64	Centos	telegraf-1.9.1-1.x86_64.rpm	591c475a47904451a89da9482cfefe18b07ed7d7342b8276
amd64	Windows	telegraf-1.9.1_windows_amd64.zip	2be4ab7ed6baa07aed81b445d42ef0d45d56b2a4b0dd593e
amd64	FreeBSD	telegraf-1.9.1_freebsd_amd64.tar.gz	3f8b7d102f7a8bac158a0d08f075f28754826f9c37841e78
amd64	Linux	telegraf-1.9.1-static_linux_amd64.tar.gz	d22b672dfc343fc2fb566d2d67fb59984589bcb443b8dfd8
amd64	Linux	telegraf-1.9.1_linux_amd64.tar.gz	2459157a25988796cef2a2c6fbb2377d7673034779856541
:			

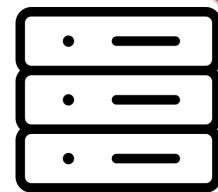
지원하는 플랫폼도 다양합니다.



Linux



telegraf



 *Windows*



telegraf

NEW

Telegraf 를 윈도우에 깔아봤습니다.

```

127 Measurement = "win_disk"
128 # Set to true to include _Total instance when querying for all (*).
129 #IncludeTotal=false
130
131 [[inputs.win_perf_counters.object]]
132 ObjectName = "PhysicalDisk"
133 Instances = ["*"]
134 Counters = [
135     "Disk Read Bytes/sec",
136     "Disk Write Bytes/sec",
137     "Current Disk Queue Length",
138     "Disk Reads/sec",
139     "Disk Writes/sec",
140     "% Disk Time",
141     "% Disk Read Time",
142     "% Disk Write Time",
143 ]
144 Measurement = "win_diskio"
145
146 [[inputs.win_perf_counters.object]]
147 ObjectName = "Network Interface"
148 Instances = ["*"]
149 Counters = [
150     "Bytes Received/sec",
151     "Bytes Sent/sec",
152     "Packets Received/sec",
153     "Packets Sent/sec",
154     "Packets Received Discarded",
155     "Packets Outbound Discarded",
156     "Packets Received Errors",
157     "Packets Outbound Errors",
158 ]
159 Measurement = "win_net"
160
161 [[inputs.win_perf_counters.object]]
162 ObjectName = "System"
163 Counters = [
164     "Context Switches/sec",
165     "System Calls/sec",
166     "Processor Queue Length",
167     "System Up Time",
168 ]
169 Instances = ["-----"]
170 Measurement = "win_system"
171 # Set to true to include _Total instance when querying for all (*).
172 #IncludeTotal=false
173
174 [[inputs.win_perf_counters.object]]
175 # Example query where the Instance portion must be removed to get data back,
176 # such as from the Memory object.
177 ObjectName = "Memory"
178 Counters = [
179     "Available Bytes",
188     "Standby Cache Normal Priority Bytes",
189     "Standby Cache Core Bytes",
190
191 ]
192 # Use 6 x - to remove the Instance bit from the query.
193 Instances = ["-----"]
194 Measurement = "win_mem"
195 # Set to true to include _Total instance when querying for all (*).
196 #IncludeTotal=false
197
198 [[inputs.win_perf_counters.object]]
199 # Example query where the Instance portion must be removed to get data back,
200 # such as from the Paging File object.
201 ObjectName = "Paging File"
202 Counters = [
203     "% Usage",
204 ]
205 Instances = ["_Total"]
206 Measurement = "win_swap"
207
208 [[inputs.win_perf_counters.object]]
209 ObjectName = "Network Interface"
210 Instances = ["*"]
211 Counters = [
212     "Bytes Sent/sec",
213     "Bytes Received/sec",
214     "Packets Sent/sec",
215     "Packets Received/sec",
216     "Packets Received Discarded",
217     "Packets Received Errors",
218     "Packets Outbound Discarded",
219     "Packets Outbound Errors",
220 ]
221
222
223
224 # Windows system plugins using WMI (disabled by default, using
225 # win_perf_counters over WMI is recommended)
226
227 # # Read metrics about cpu usage
228 # [[inputs.cpu]]
229 # ## Whether to report per-cpu stats or not
230 # percpu = true
231 # ## Whether to report total system cpu stats or not
232 # totalcpu = true
233 # This line if you want the raw CPU time metrics
234 # "time_*"
235
236
237 # # Read metrics about disk usage by mount point
238 # [[inputs.disk]]
239 # ## By default, telegraf gather stats for all mountpoints.
240 # ## Setting mountpoints will restrict the stats to the specified mountpoints.

```

중복 설정 발견

- Linux의 경우 `amdgpu`, `non-uves` 버전
- Windows의 경우 `amdgpu` 버전
- 절대 세팅을 설정하면 모든 드라이버가 잘 동작
- Linux 버전은 현재 `amdgpu` 기준으로 수동 필요한 항목입니다
 - Windows 버전은 현재 버전(1.7.3) 기준으로 "Network Interface" 항목이 중복으로 들어가 있어서 해당 항목 제거 필요

```
Instances = ["*_Device"]
```

```
Requirements = "win_low"
```

```
[[{"entity": "win_low_counters_08000013"}]]
```

```
Requirements = "win_low_lowestPriority"
```

사내 가이드 문서에 내용 추가....로 끝?
PR을 꼽으로 먹어볼까?

Remove duplicate "Network Interface" Section #4547

[Edit](#)

Merged danielnelson merged 1 commit into `influxdata:master` from `unknown repository` on 13 Aug 2018년 8월 13일 오전 8:32 GMT+9

Conversation 1 · Commits 1 · Checks 0 · Files changed 1 · +0 -14

Jaeyo commented on 12 Aug 2018년 8월 12일 오전 1:17 GMT+9 • edited

Contributor

Required for all PRs:

- Signed CLA.
- Associated README.md updated.
- Has appropriate unit tests.

Remove duplicate "Network Interface" Section Verified ✓ a511364

danielnelson added this to the 1.8.0 milestone on 13 Aug 2018년 8월 13일 오전 8:31 GMT+9

danielnelson added the area/win_perf_counters label on 13 Aug 2018년 8월 13일 오전 8:31 GMT+9

danielnelson merged commit 98a785b into `influxdata:master` on 13 Aug 2018년 8월 13일 오전 8:32 GMT+9

View details · Revert

Reviewers
No reviews

Assignees
No one assigned

Labels
area/win_perf_counters

Projects
None yet

Milestone
1.8.0

Notifications
Unsubscribe

명백한 설정 오류라 바로 merge가 되었습니다.



Maintainer: Thanks!

뿌듯하니 더 기여해보기로 합니다.

사실 오픈소스 코드 기여는 이전에도 시도..는 했었습니다만 실패했었습니다.



telegraf 는 여러가지로 덤벼보기 좋은 오픈소스 였습니다.

1. 실제 사용중인 프로그램
2. 익숙한 언어로 구현
3. 플러그인 기반이라 기여가 쉬움 ... 정말?

百聞不如—CODE

백문이 불여일코드

(백번 듣는 것보다 한번 코드로 보는 것이 낫다.)

Branch: master ▾

[telegraf / docs / INPUTS.md](#)

[Find file](#) [Copy path](#)



danielnelson Remove outputs blocking inputs when output is slow ([#4938](#))

6e5c2f8 on 6 Nov 2018년 11월 6일 오전 6:34 GMT+9

1 contributor

144 lines (109 sloc) | 5.14 KB

[Raw](#) [Blame](#) [History](#)

Input Plugins

This section is for developers who want to create new collection inputs. Telegraf is entirely plugin driven. This interface allows for operators to pick and chose what is gathered and makes it easy for developers to create new ways of generating metrics.

Plugin authorship is kept as simple as possible to promote people to develop and submit new inputs.

Input Plugin Guidelines

- A plugin must conform to the [telegraf.Input](#) interface.
- Input Plugins should call `inputs.Add` in their `init` function to register themselves. See below for a quick example.
- Input Plugins must be added to the `github.com/influxdata/telegraf/plugins/inputs/all/all.go` file.
- The `SampleConfig` function should return valid toml that describes how the plugin can be configured. This is included in `telegraf config`. Please consult the [SampleConfig](#) page for the latest style guidelines.
- The `Description` function should say in one line what this plugin does.

Let's say you've written a plugin that emits metrics about processes on the current host

Input 플러그인에 대한 가이드라인 문서

README.md	Return correct response code on ping input (#4875)	2 months ago 2018년 10월 18일 오전 3:4...
ping.go	Use -W flag on bsd variants in ping input (#5112)	15 days ago 2018년 12월 11일 오전 9:2...
ping_test.go	Add support for IPv6 in the ping plugin (#4703)	3 months ago 2018년 10월 2일 오전 9:3...
ping_windows.go	Add support for IPv6 in the ping plugin (#4703)	3 months ago 2018년 10월 2일 오전 9:3...
ping_windows_test.go	Add support for IPv6 in the ping plugin (#4703)	3 months ago 2018년 10월 2일 오전 9:3...

[README.md](#)

Ping Input Plugin

Sends a ping message by executing the system ping command and reports the results.

Currently there is no support for GNU Inetutils, use with iputils-ping instead:

```
apt-get install iputils-ping
```

Configuration:

```
[[inputs.ping]]
## List of urls to ping
urls = ["example.org"]

## Number of pings to send per collection (ping -c <COUNT>
# count = 1

## Interval, in s, at which to ping. 0 == default (ping -i <PING_INTERVAL>
## Not available in Windows.
# ping_interval = 1.0

## P
# ti 각 플러그인에 대한 문서화가 잘 되어 있습니다.

## Total-ping deadline, in s. 0 == no deadline (ping -w <DEADLINE>
# deadline = 10

## Interface or source address to send ping from (ping -I <INTERFACE/SRC_ADDR>
## on Darwin and Freebsd only source address possible: (ping -S <SRC_ADDR>
# interface = ""
```

25 lines (18 sloc) | 609 Bytes

 View File

Raw

Blame

History



```
1 package telegraf
2
3 type Input interface {
4     // SampleConfig returns the default configuration of the Input
5     SampleConfig() string
6
7     // Description returns a one-sentence description on the Input
8     Description() string
9
10    // Gather takes in an accumulator and adds the metrics that the Input
11    // gathers. This is called every "interval"
12    Gather(Accumulator) error
13 }
14
15 type ServiceInput interface {
16     Input
17
18     // Start the ServiceInput. The Accumulator may be retained and used until
19     // Stop returns.
20     Start(Accumulator) error
21
22     // Stop stops the services and closes any necessary channels and connections
23     Stop()
24 }
```

가이드라인에 나온 *Input interface*

```

~
59 func (_ *Ping) Description() string {
60     return "Ping given url(s) and return statistics"
61 }
62
63 const sampleConfig = `

64 ## List of urls to ping
65 urls = ["example.org"]

66
67 ## Number of pings to send per collection (ping -c <COUNT>)
68 # count = 1

69
70 ## Interval, in s, at which to ping. 0 == default (ping -i <PING_INTERVAL>)
71 ## Not available in Windows.
72 # ping_interval = 1.0

73
74 ## Per-ping timeout, in s. 0 == no timeout (ping -W <TIMEOUT>)
75 # timeout = 1.0

76
77 ## Total-ping deadline, in s. 0 == no deadline (ping -w <DEADLINE>)
78 # deadline = 10

79
80 ## Interface or source address to send ping from (ping -I <INTERFACE/SRC_ADDR>)
81 ## on Darwin and Freebsd only source address possible: (ping -S <SRC_ADDR>)
82 # interface = ""

83
84 ## Specify the ping executable binary, default is "ping"
85 # binary = "ping"

86
87 ## Arguments for ping command
88 ## when arguments is not empty, other options (ping_interval, timeout, etc) will be ignored
89 # arguments = ["-c", "3"]

90
91
92 func (_ *Ping) SampleConfig() string {
93     return sampleConfig
94 }

```

Ping plugin의 input interface 구현

```

27 type Ping struct {
28     wg sync.WaitGroup
29
30     // Interval at which to ping (ping -i <INTERVAL>)
31     PingInterval float64 `toml:"ping_interval"`
32
33     // Number of pings to send (ping -c <COUNT>)
34     Count int
35
36     // Ping timeout, in seconds. 0 means no timeout (ping -W <TIMEOUT>)
37     Timeout float64
38
39     // Ping deadline, in seconds. 0 means no deadline. (ping -w <DEADLINE>)
40     Deadline int
41
42     // Interface or source address to send ping from (ping -I/-S <INTERFACE/SRC_ADDR>)
43     Interface string
44
45     // URLs to ping
46    Urls []string
47
48     // Ping executable binary
49     Binary string
50
51     // Arguments for ping command.
52     // when `Arguments` is not empty, other options (ping_interval, timeout, etc) will be ignored
53     Arguments []string
54
55     // host ping function
56     pingHost HostPinger
57 }
```

Configuration 는 모두 플러그인 struct 에 박하하게 됩니다.

```
func (p *Ping) Gather(acc telegraf.Accumulator) error {
    ...
    go p.pingToURL(url, acc)
    ...
}

func (p *Ping) pingToURL(u string, acc telegraf.Accumulator) {
    ...
    out, err := p.pingHost(p.Binary, totalTimeout, args...)
    if err != nil {
        ...
        acc.AddError(...)
    }

    trans, rec, min, avg, max, stddev, err := processPingOutput(output)
    if err != nil {
        ...
        acc.AddError(...)
    }

    fields["packets_transmitted"] = trans
    fields["packets_received"] = rec
    ...

    acc.AddFields("ping", fields, tags)
}
```

Gather 함수의 대략적인 흐름

```
type HostPinger func(binary string, timeout float64, args ...string) (string, error)

type Ping struct {
    ...
    pingHost HostPinger
}

...

func hostPinger(binary string, timeout float64, args ...string) (string, error) {
    bin, err := exec.LookPath(binary)
    ...
    c := exec.Command(bin, args...)
    ...
}

...

func init() {
    ping := &Ping {
        ...
        pingHost: hostPinger,
    }
}
```

왜 *hostPinger* 함수를 변수로 붙였을까?

```
func mockHostPinger(binary string, timeout float64, args ...string) (string, error) {
    return expectedPingOutput, nil
}

func TestPingGather(t *testing.T) {
    p := Ping{
        URLs: []string{"www.google.com", "www.reddit.com"},
        pingHost: mockHostPinger,
    }
    ...
}
```

Test with Mock

```
func TestArgs(t *testing.T) {
    p := Ping{
        Count:      2,
        Interface: "eth0",
        Timeout:    12.0,
        Deadline:   24,
        PingInterval: 1.2,
    }

    var systemCases = []struct {
        system string
        output []string
    }{
        {"darwin", []string{"-c", "2", "-n", "-s", "16", "-i", "1.2", "-W", "12000", "-t", "24", "-I", "eth0", "www.google.com"}},
        {"linux", []string{"-c", "2", "-n", "-s", "16", "-i", "1.2", "-W", "12", "-w", "24", "-I", "eth0", "www.google.com"}},
        {"anything else", []string{"-c", "2", "-n", "-s", "16", "-i", "1.2", "-W", "12", "-w", "24", "-i", "eth0", "www.google.com"}}
    }
    for i := range systemCases {
        actual := p.Args("www.google.com", systemCases[i].system)
        expected := systemCases[i].output
        sort.Strings(actual)
        sort.Strings(expected)
        require.True(t, reflect.DeepEqual(expected, actual),
            "Expected: %s\nActual: %s", expected, actual)
    }
}
```

다양한 환경에 대한 꼼꼼한 테스트

Q. IPv6 인 주소로 *ping* 을 날리려면 어떻게 해야 하나요?

Support IPv6 in the ping plugin #2159

 Closed

kostasb opened this issue on 14 Dec 2016 2016년 12월 14일 오후 10:06 GMT+9 · 3 comments



kostasb commented on 14 Dec 2016 2016년 12월 14일 오후 10:06 GMT+9

+ ...

Feature Request: Support IPv6 ping by adding a configuration option in the plugin to switch to using the ping6 tool instead of ping.

IPv6 ICMP is not supported by the ping tool.

```
ping6 ipv6.google.com
PING6(56=40+8+8 bytes) 2a02:214d:8225:4000:b932:d1e7:533d:be94 --> 2a00:1450:4016:804::200e
16 bytes from 2a00:1450:4016:804::200e, icmp_seq=0 hlim=56 time=43.345 ms
```

Reference:

The ping6 utility is intentionally separate from ping.

There have been many discussions on why we separate ping6 and ping. Some people argued that it would be more convenient to uniform the ping command for both IPv4 and IPv6. The followings are an answer to the request.

From a developer's point of view: since the underling raw sockets API is totally different between IPv4 and IPv6, we would end up having two types of code base. There would actually be less benefit to uniform the two commands into a single command from the developer's standpoint.

From an operator's point of view: unlike ordinary network applications like remote login tools, we are usually aware of address family when using network management tools. We do not just want to know the reachability to the host, but want to know the reachability to the host via a particular network protocol such as IPv6. Thus, even if we had a unified ping command for both IPv4 and IPv6, we would usually type a -6 or -4 option (or something like those) to specify the particular

이미 올라온 (그리고 처리된) Issue 입니다.

[source](#)



1

Ping Input Plugin

Sends a ping message by executing the system ping command and reports the results.

Currently there is no support for GNU Inetutils, use with iputils-ping instead:

```
apt-get install iputils-ping
```

Configuration:

```
[[inputs.ping]]
## List of urls to ping
urls = ["example.org"]

## Number of pings to send per collection (ping -c <COUNT>)
# count = 1

## Interval, in s, at which to ping. 0 == default (ping -i <PING_INTERVAL>)
## Not available in Windows.
# ping_interval = 1.0

## Per-ping timeout, in s. 0 == no timeout (ping -W <TIMEOUT>)
# timeout = 1.0

## Total-ping deadline, in s. 0 == no deadline (ping -w <DEADLINE>)
# deadline = 10

## Interface or source address to send ping from (ping -I <INTERFACE/SRC_ADDR>)
## on Darwin and Freebsd only source address possible: (ping -S <SRC_ADDR>)
# interface = ""

## Specify the ping executable binary, default is "ping"
# binary = "ping"
```

"ping" 대신 "ping6" 을 통해 IPv6로도 ping을 때릴 수 있습니다.



Jaeyo commented on 16 Sep 2018년 9월 16일 오전 5:59 GMT+9 • edited

Contributor + 😊 ...

Required for all PRs:

- Signed [CLA](#).
- Associated README.md updated.
- Has appropriate unit tests.

close #2159

by using `arguments` options, use can determine packet size himself. so it can close #2830

이 부분이 제가 Maintainer 의 *Thanks!*를 받고 바로 다음에 보낸 PR 이었습니다.

```
15 15      ## List of urls to ping
16 16      urls = ["example.org"]
17 17
18 + ## List of urls to ping to ipv6 address
19 + urls_v6 = ["example.org"]
20 +
```



danielnelson commented on 19 Sep 2018년 9월 19일 오전 6:00 GMT+9

Contributor



...

The way we've been planning to implement this is with a new option to override the ping command used as well as a way to set arguments directly. If you needed to do some ipv4 and some ipv6 urls then you would define the plugin twice.

```
[[inputs.ping]]
  urls = ["www.example.org"]
  binary = "ping6"
  arguments = ["-6"]
```

Do you think you could change around the options like this?

처음엔 Maintainer와 상의없이 구현했다가 빠꾸(?)를 먹었습니다.



Jaeyo commented on 20 Sep 2018년 9월 20일 오후 7:03 GMT+9 • edited

Contributor + 😊 ...

@danielnelson so the existing options for ping input (ex. ping_interval, timeout, deadline) will be replaced by "arguments"?



Jaeyo commented on 27 Sep 2018년 9월 27일 오전 8:32 GMT+9

Contributor + 😊 ...

@danielnelson can you review this?



danielnelson reviewed on 27 Sep 2018년 9월 27일 오전 11:24 GMT+9

[View changes](#)

Looks good from a quick glance. @glinton Can you do a more indepth review?



glinton approved these changes

on 2 Oct 2018년 10월 2일 오전 12:55 GMT+9

[View changes](#)

Maintainer가 제시한 방향대로 다시 수정한 뒤 merge가 됩니다.

1.9.0
2bf21c0
Verified

1.9.0

danielnelson released this on 21 Nov 2018년 11월 21일 오전 4:43 GMT+9 · 97 commits to master since this release

Assets 2

- [Source code \(zip\)](#)
- [Source code \(tar.gz\)](#)

v1.9 [2018-11-20]

Release Notes

- The `http_listener` input plugin has been renamed to `influxdb_listener` and use of the original name is deprecated. The new name better describes the intended use of the plugin as a InfluxDB relay. For general purpose transfer of metrics in any format via HTTP, it is recommended to use `http_listener_v2` instead.
- Input plugins are no longer limited from adding metrics when the output is writing, and new metrics will move into the metric buffer as needed. This will provide more robust degradation and recovery when writing to a slow output at high throughput.

To avoid over consumption when reading from queue consumers: `kafka_consumer`, `amqp_consumer`, `mqtt_consumer`, `nats_consumer`, and `nsq_consumer` use the new option `maxUndeliveredMessages` to limit the number of outstanding unwritten metrics.

New Inputs

- [http_listener_v2](#) - Contributed by @jul1u5
- [ipvs](#) - Contributed by @amoghe
- [jenkins](#) - Contributed by @influxdata & @lpic10
- [nginx_plus_api](#) - Contributed by @Bugagazavr
- [nginx_vts](#) - Contributed by @monder
- [wireless](#) - Contributed by @jamesmaidment

다음엔 여기에
이름을 올리고 싶습니다.

```
if !anyQuestion() {  
    quit()  
}
```