

Terraform your monitoring

Simplify your Datadog configs



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Agenda

Origins



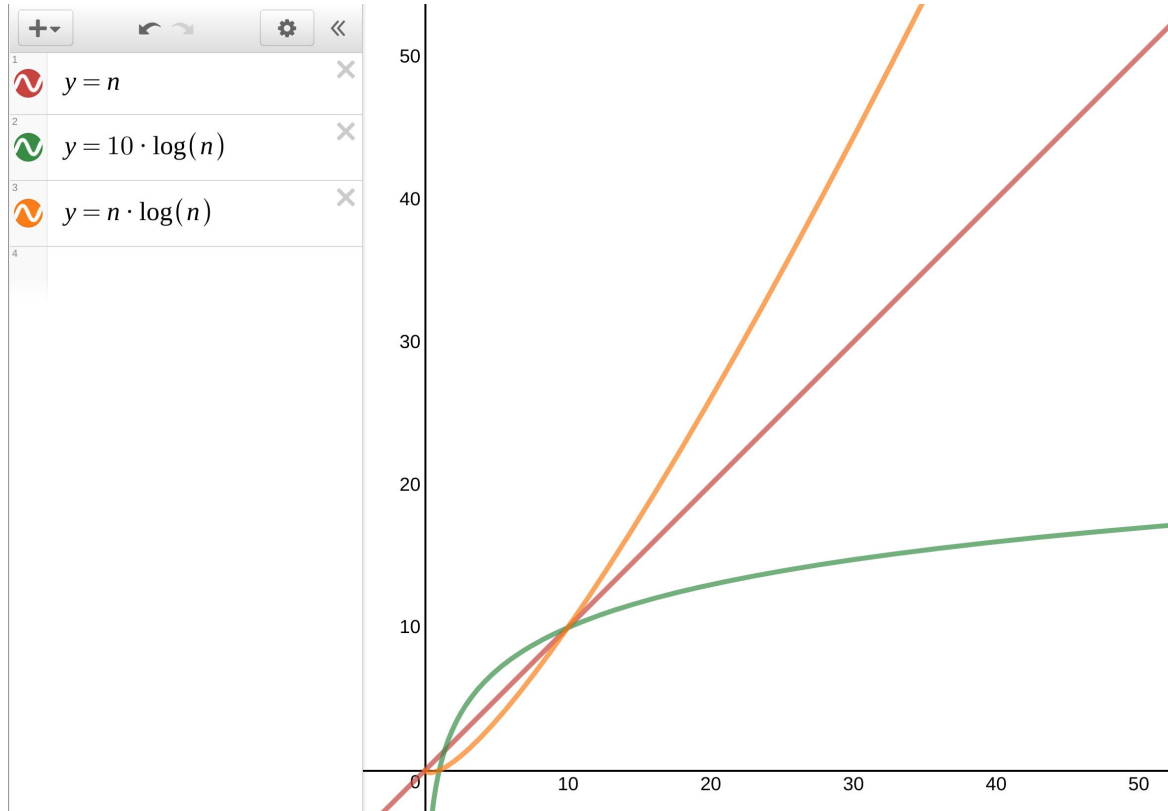
Getting Started

What's Next?

Story Time

Microservices and the path to (in)sanity

Scaling



Example

Latency Module

Example Service

```
1 resource "datadog_monitor" "P99latency" {
2   name   = "${title(var.service_name)}: Elevated P99 response times!"
3   type   = "query alert"
4   query  = "min(last_5m):avg:latency.upper99{environment:${var.environment},service_name:${var.service_name}}.rollup(max) > ${var.latency_threshold_critical}"
5
6   thresholds {
7     warning  = "${var.latency_threshold_warning}"
8     critical = "${var.latency_threshold_critical}"
9   }
10
11   notify_no_data      = false
12   require_full_window = false
13   renotify_interval   = 60
14
15   timeout_h = 4
16
17   message = "${data.template_file.P99latency.rendered}"
18 }
19
20 data "template_file" "P99latency" {
21   template = "${file("${path.module}/templates/monitor_message.tpl")}"
22
23   vars {
24     monitor_name      = "P99 Latency"
25     service_name      = "${var.service_name}"
26     hipchat_room      = "${var.hipchat_room}"
27     pagerduty_roster_main = "${var.pagerduty_rosters_main}"
28   }
29 }
30
31 }
```

Example



Latency Module

Example Service

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```

Monitor Screenshot

[prod-west2] [REDACTED]: Elevated P99 response times!

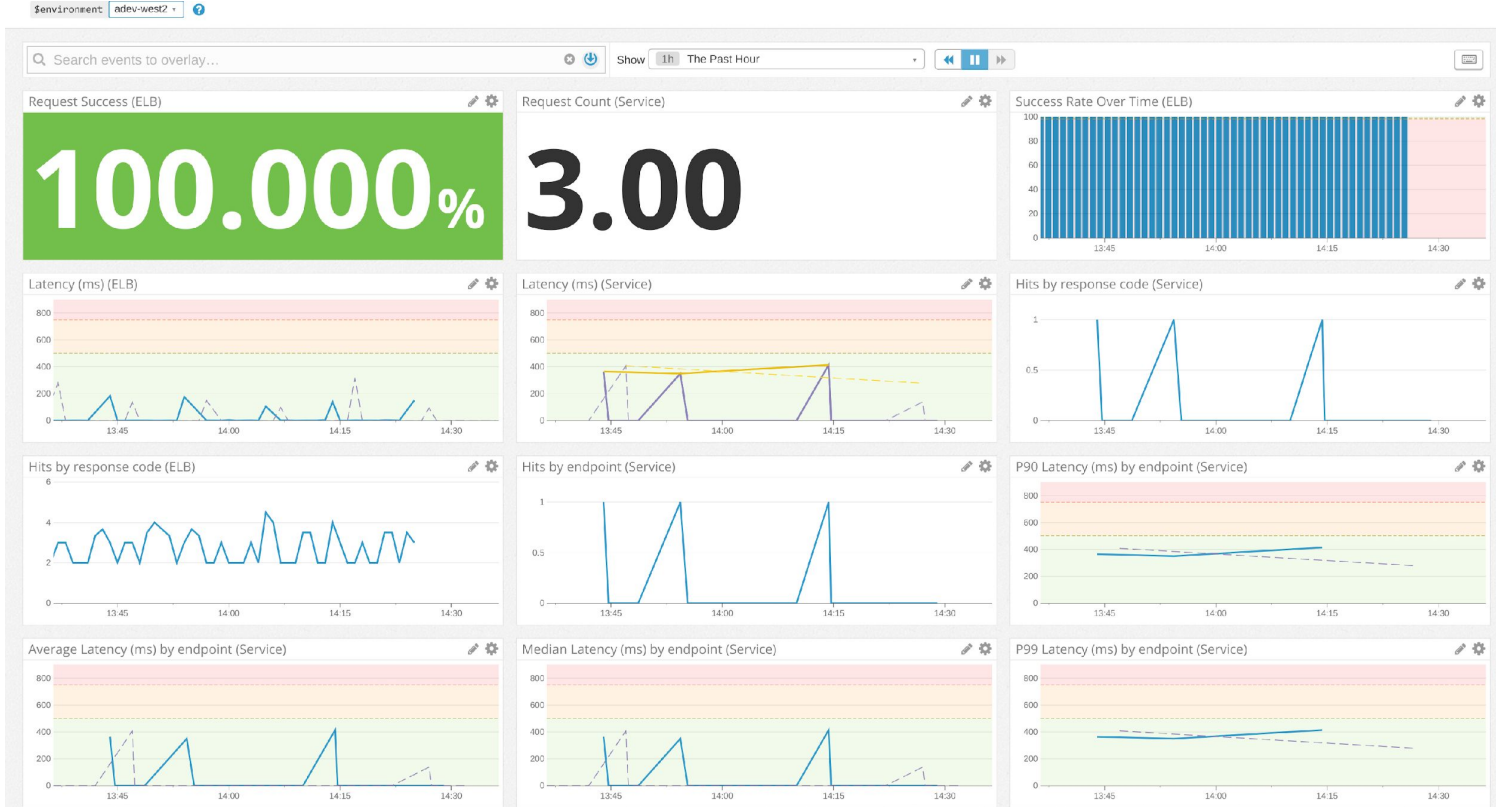
OK since **1 MONTH AGO** (26 Jul, 21:15:00)

`min(last_15m):avg:[REDACTED].request_time.upper_99{environment:prod-west2}.rollup(max) > 1500`

{{#is_alert}} P99 Latency for [REDACTED] is beyond critical threshold: {{threshold}}. Current value: {{value}}. Notify: [@hipchat-\[REDACTED\]](#) [Alerts @hipchat-HC \[REDACTED\]](#) [Alerts @pagerduty-\[REDACTED\]](#) [-production-main](#) {{/is_alert}}
{{#is_warning}} P99 Latency for [REDACTED] is beyond warning threshold: {{warn_threshold}}. Current value: {{value}}. Notify: [@hipchat-\[REDACTED\]](#) [Alerts @hipchat-\[REDACTED\]](#) [Alerts](#) {{/is_warning}}



Dashboard Screenshot



Recap



Automation Friendly



Consistent Results



Go Faster

Save time by using templates.



Complete History

What's Next?

Thank you!



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