Investigation: Availability > 100%
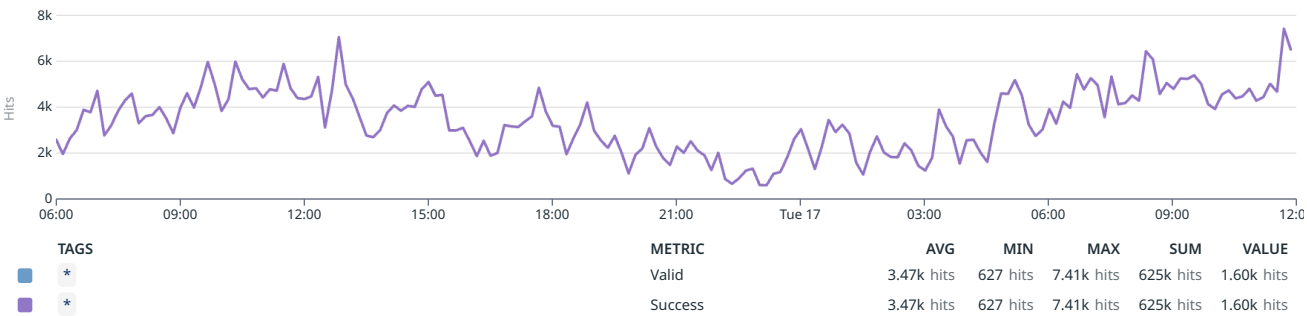
🧍 Eric Swanson

Timeseries Component Metrics: Success and Valid: Other Path Availability - "1d"

`1d` Sep 16 - Sep 17

TAGS	METRIC	AVG	MIN	MAX	SUM	VALUE
🟦 *	Valid	3.47k hits	627 hits	7.41k hits	625k hits	1.60k hits
🟪 *	Success	3.47k hits	627 hits	7.41k hits	625k hits	1.60k hits

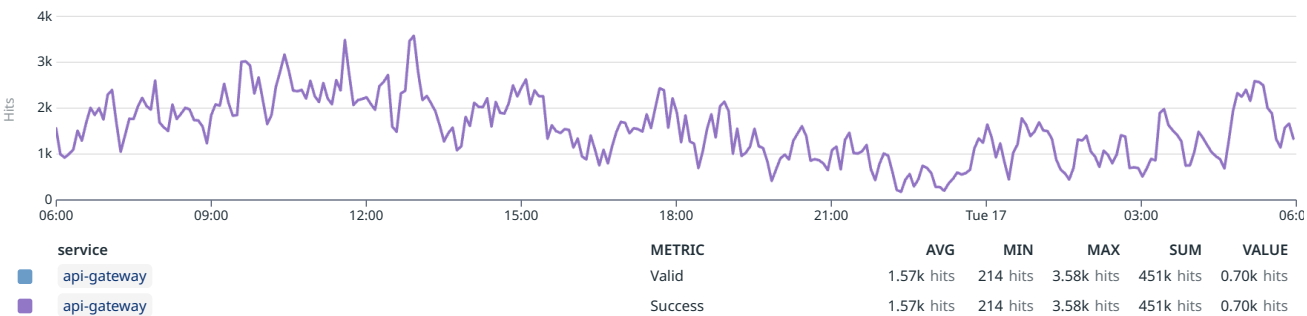## MISSING DATA Timeseries Component Metrics: Success and Valid: Other Path Availability - "1d"
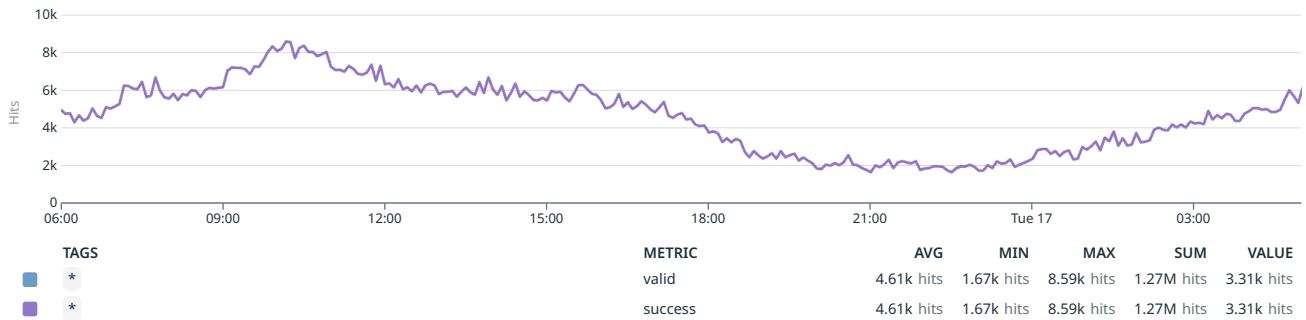
`1d` Sep 16 - Sep 17

TAGS	METRIC	AVG	MIN	MAX	SUM	VALUE
🟦 service:api-gateway	Valid	1,567 hits	214 hits	3,577 hits	451.4k hits	697 hits
🟪 service:api-gateway	Success	1,567 hits	214 hits	3,577 hits	451.4k hits	697 hits
🟨 http.status_class:2xx	ALL	1,567 hits	214 hits	3,577 hits	451.4k hits	697 hits
🟦 http.status_class:4xx	ALL	7.83 hits	0 hits	45 hits	2.3k hits	0 hits
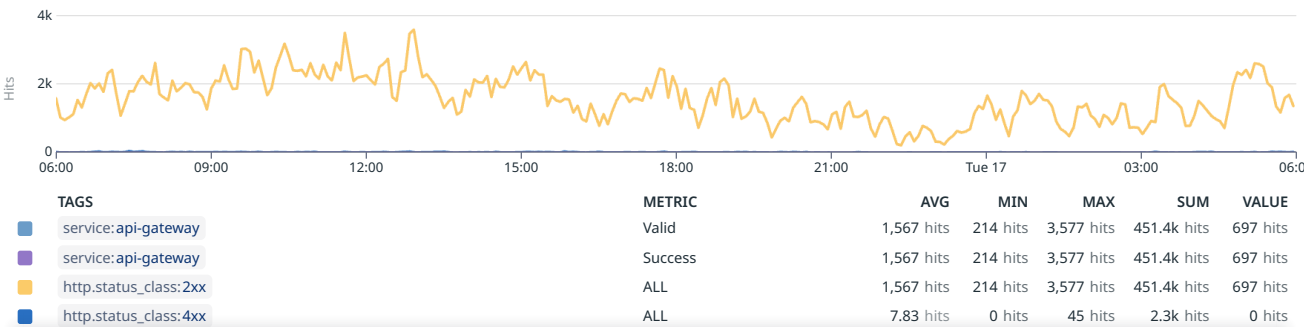
MISSING DATA WORKAROUND Success and Valid: Other Path Availability - "1d"

`1d` Sep 16 - Sep 17

service	METRIC	AVG	MIN	MAX	SUM	VALUE
🟦 api-gateway	Valid	1.57k hits	214 hits	3.58k hits	451k hits	0.70k hits
🟪 api-gateway	Success	1.57k hits	214 hits	3.58k hits	451k hits	0.70k hits

Missing Default Zero Timeseries Component Metrics: Cloud IDE Availability

TAGS		METRIC	AVG	MIN	MAX	SUM	VALUE
■	*	valid	4.61k hits	1.67k hits	8.59k hits	1.27M hits	3.31k hits
■	*	success	4.61k hits	1.67k hits	8.59k hits	1.27M hits	3.31k hits

Latest Version: Cloud IDE Availability
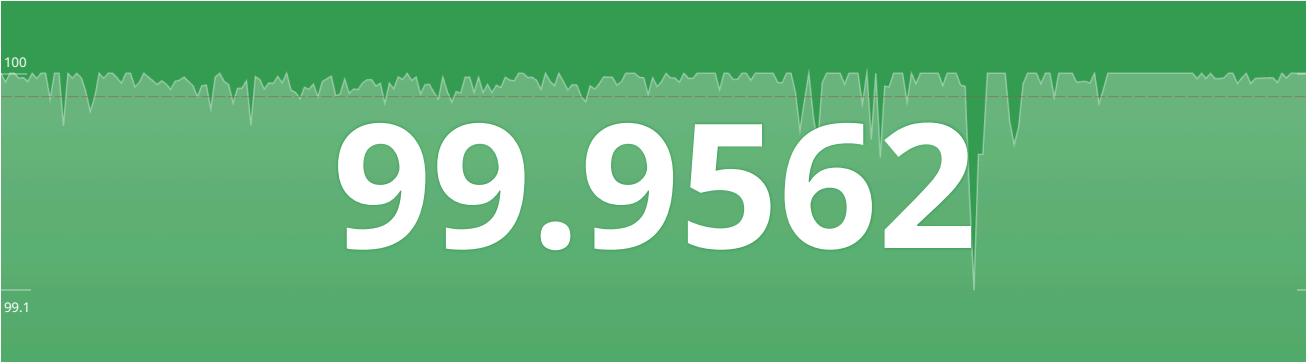
99.9562

```
sum:trace.nginx.request.hits.by_http_status{service:api-gateway AND http.status_class NOT IN (4xx,5xx) AND resource_name:*_/api/v*/accou
```



```
sum:trace.nginx.request.hits.by_http_status{service:api-gateway AND http.status_class NOT IN (4xx,5xx) AND resource_name:*_/api/v*/accou
```
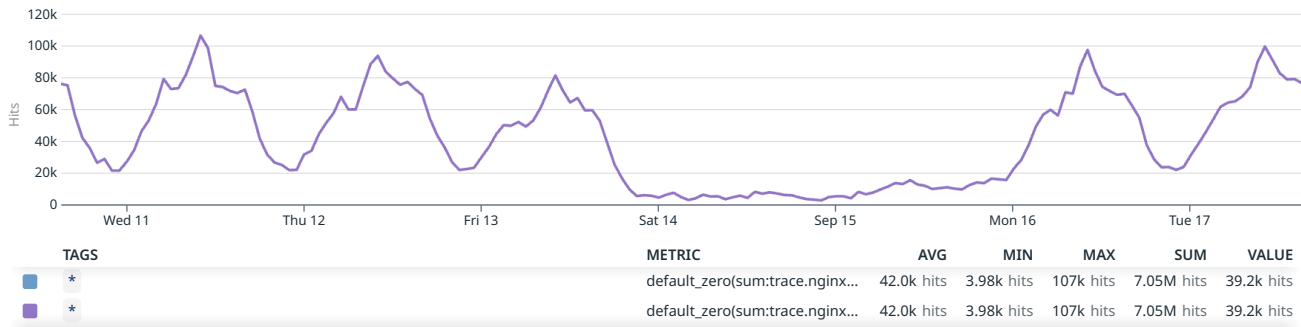

99.9578%
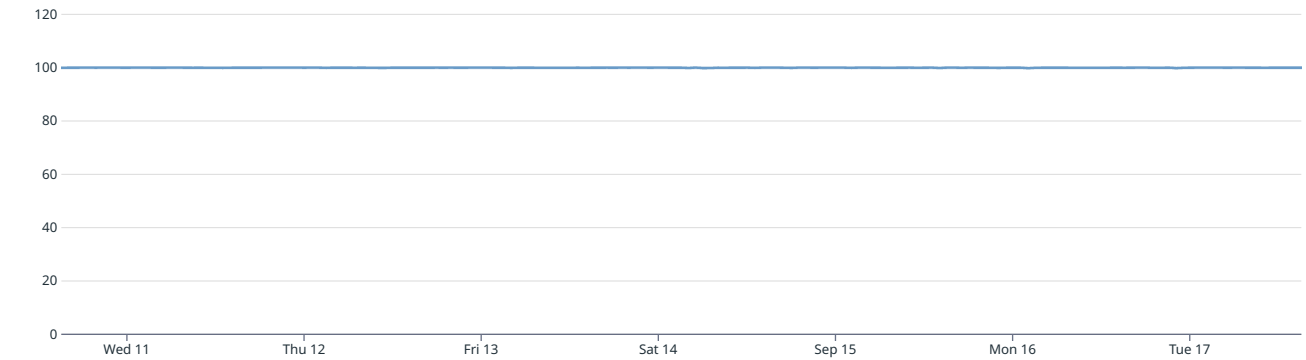
Component query metrics - existing queries

TAGS		METRIC	AVG	MIN	MAX	SUM	VALUE
■	*	default_zero(sum:trace.nginx...	42.0k hits	3.98k hits	107k hits	7.05M hits	39.2k hits
■	*	default_zero(sum:trace.nginx...	42.0k hits	3.98k hits	107k hits	7.05M hits	39.2k hits

Component query metrics - BOOL

TAGS		METRIC	AVG	MIN	MAX	SUM	VALUE
■	*	default_zero(sum:trace.nginx...	42.0k hits	3.98k hits	107k hits	7.05M hits	39.2k hits
■	*	default_zero(sum:trace.nginx...	42.0k hits	3.98k hits	107k hits	7.05M hits	39.2k hits

```
sum:trace.nginx.request.hits.by_http_status{service:api-gateway AND http.status_class NOT IN (4xx) AND resource_name:*_/api/v*/accounts/
```
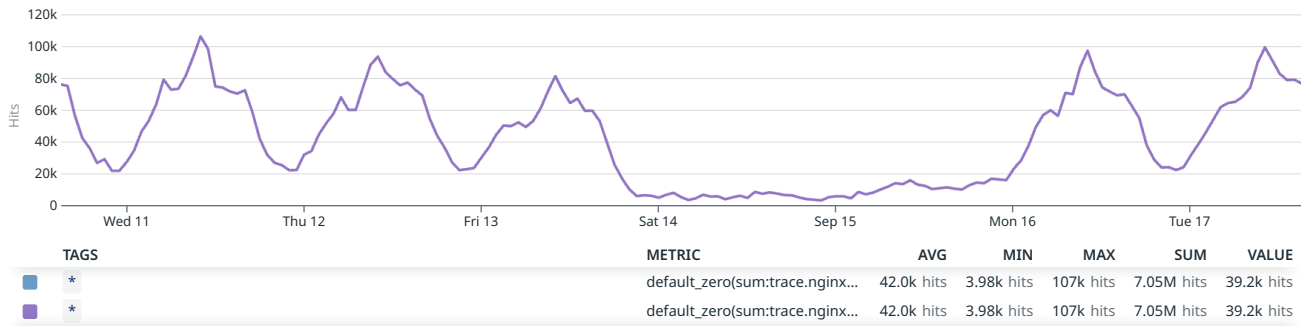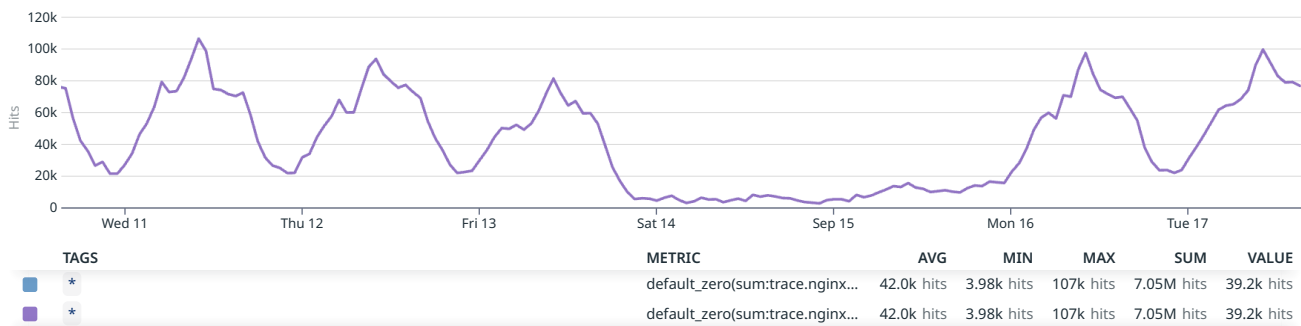

TAGS		METRIC	AVG	MIN	MAX	SUM	VALUE
■	*	default_zero(sum:trace.nginx...	42.0k hits	3.98k hits	107k hits	7.05M hits	39.2k hits
■	*	default_zero(sum:trace.nginx...	42.0k hits	3.98k hits	107k hits	7.05M hits	39.2k hits

Admin API Availability

99.9988%

Admin API Availability

99.999%

100%

99.99%

Admin API Availability

TAGS		METRIC	AVG	MIN	MAX	SUM	VALUE
■	*	default_zero(sum:trace.nginx...	61.4k hits	38.1k hits	96.3k hits	16.9M hits	49.4k hits
■	*	default_zero(sum:trace.nginx...	61.4k hits	38.1k hits	96.3k hits	16.9M hits	49.4k hits

Admin API Availability: status_class NOT IN vs IN

http.status_class		METRIC	AVG	MIN	MAX	SUM	VALUE
■	*	Success NOT IN	61.4k hits	38.1k hits	96.3k hits	16.9M hits	49.4k hits
■	2xx	Success by Status	57.0k hits	34.6k hits	90.4k hits	15.7M hits	45.4k hits
■	3xx	Success by Status	4.4k hits	3.2k hits	6.7k hits	1.2M hits	4.0k hits
■	*	Success IN	61.4k hits	38.1k hits	96.3k hits	16.9M hits	49.4k hits

Admin API Availability: status_class NOT IN Toplist
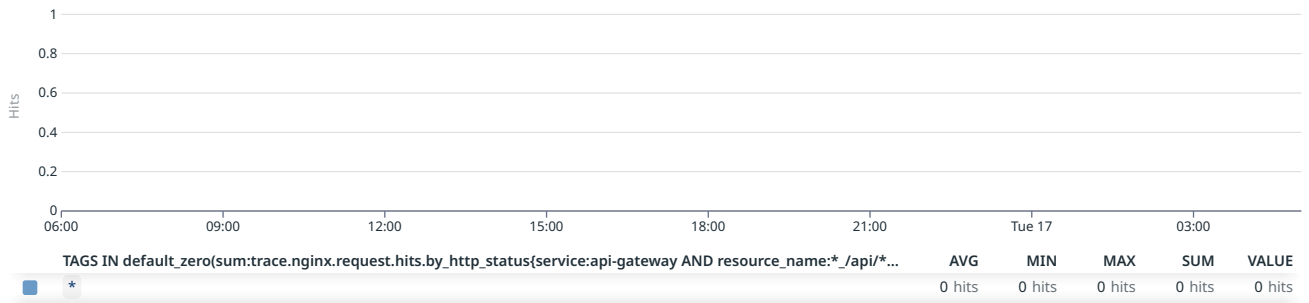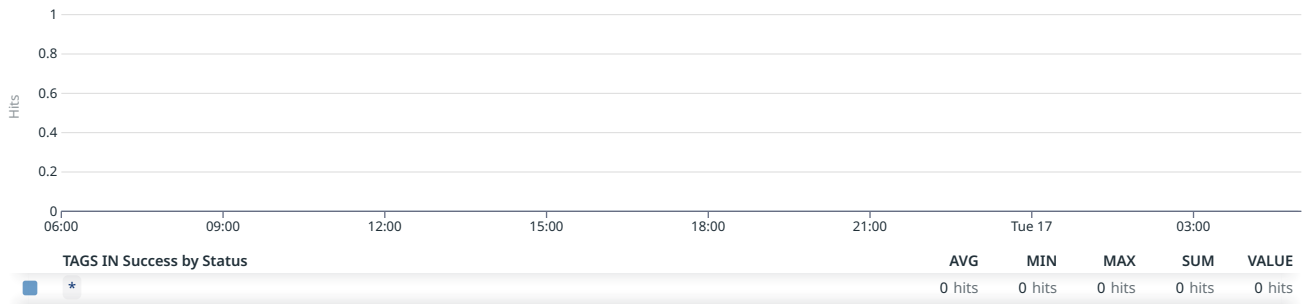
TAGS IN default_zero(sum:trace.nginx.request.hits.by_http_status{service:api-gateway AND resource_name:*_/api/*...		AVG	MIN	MAX	SUM	VALUE
■	*	0 hits	0 hits	0 hits	0 hits	0 hits

Admin API Availability: status_class EMPTY

TAGS IN Success by Status	AVG	MIN	MAX	SUM	VALUE
▪ *	0 hits	0 hits	0 hits	0 hits	0 hits

Admin API Availability

99.9988%

Admin API Availability

99.9988%

Admin API Availability - ERIC DIGS IN WITH VIOLENCE

TAGS		METRIC	AVG	MIN	MAX	SUM	VALUE
▪	*	Success	1.24M hits	205k hits	2.04M hits	208M hits	1.54M hits
▪	*	Success + Valid	1.24M hits	205k hits	2.04M hits	208M hits	1.54M hits

Admin API Availability - ERIC DIGS APPLIES FORMULA

99.9

100
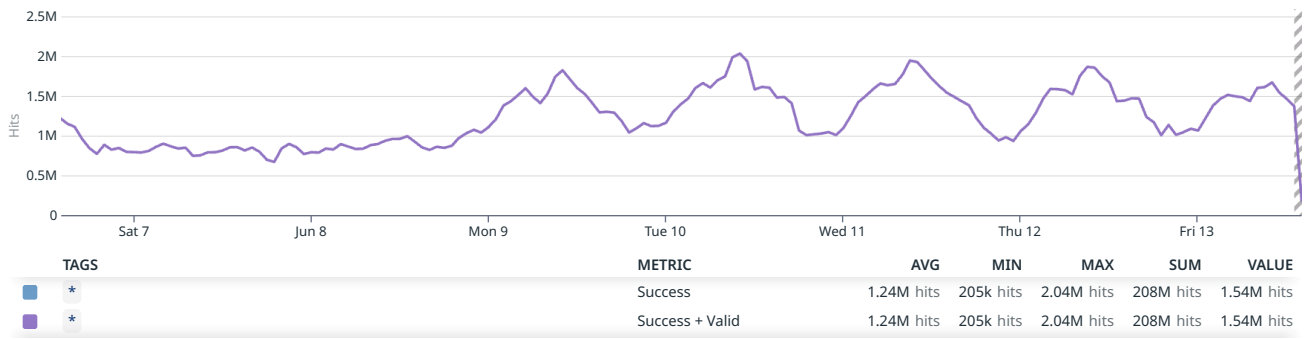
Cloud CLI Availability

100%

99.9969%

99.9%

Explorer Availability

4.7k hits

676.147k hits

4k hits

Explorer Availability

50

49.9976

49.7

Admin API Availability - ERIC DIGS APPLIES FORMULA