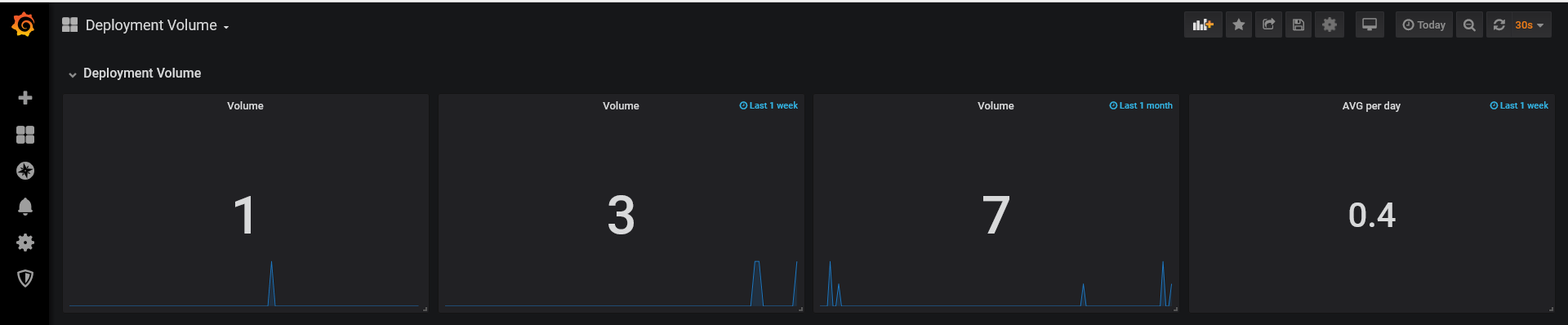
**KPI GRAFANA DOCUMENT**

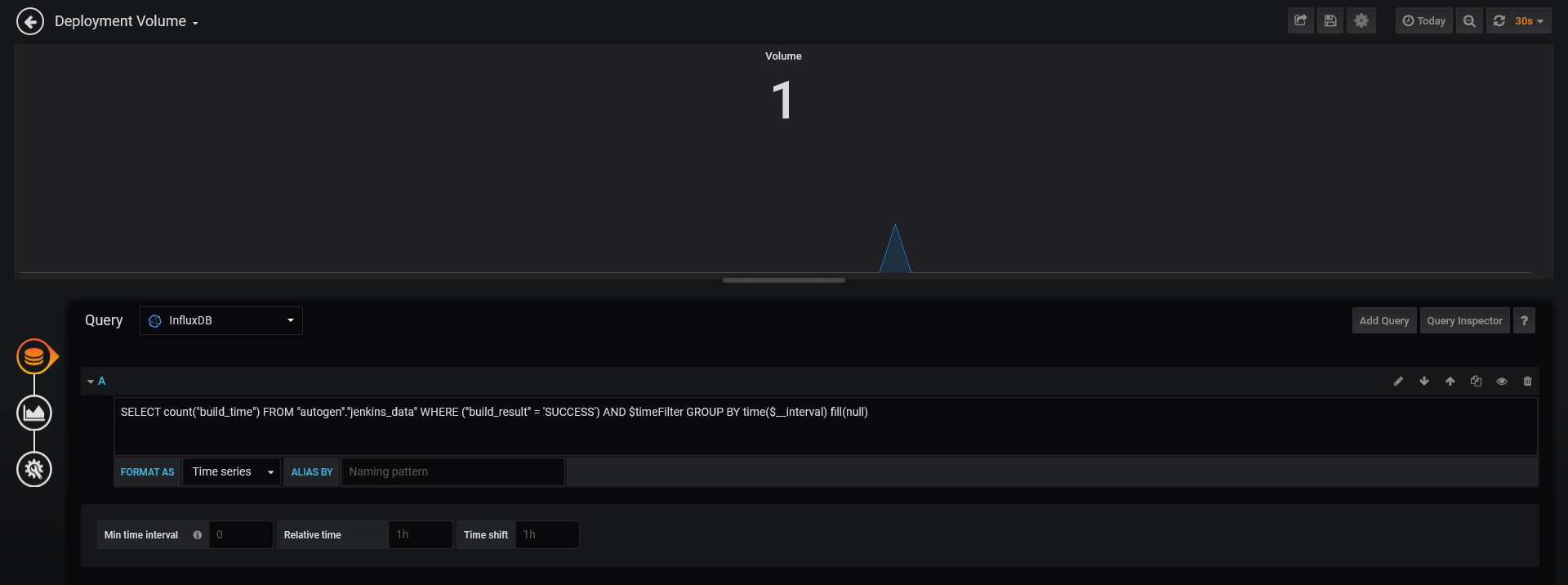
**DEPLOYMENT VOLUME**



**Queries & Setup:**

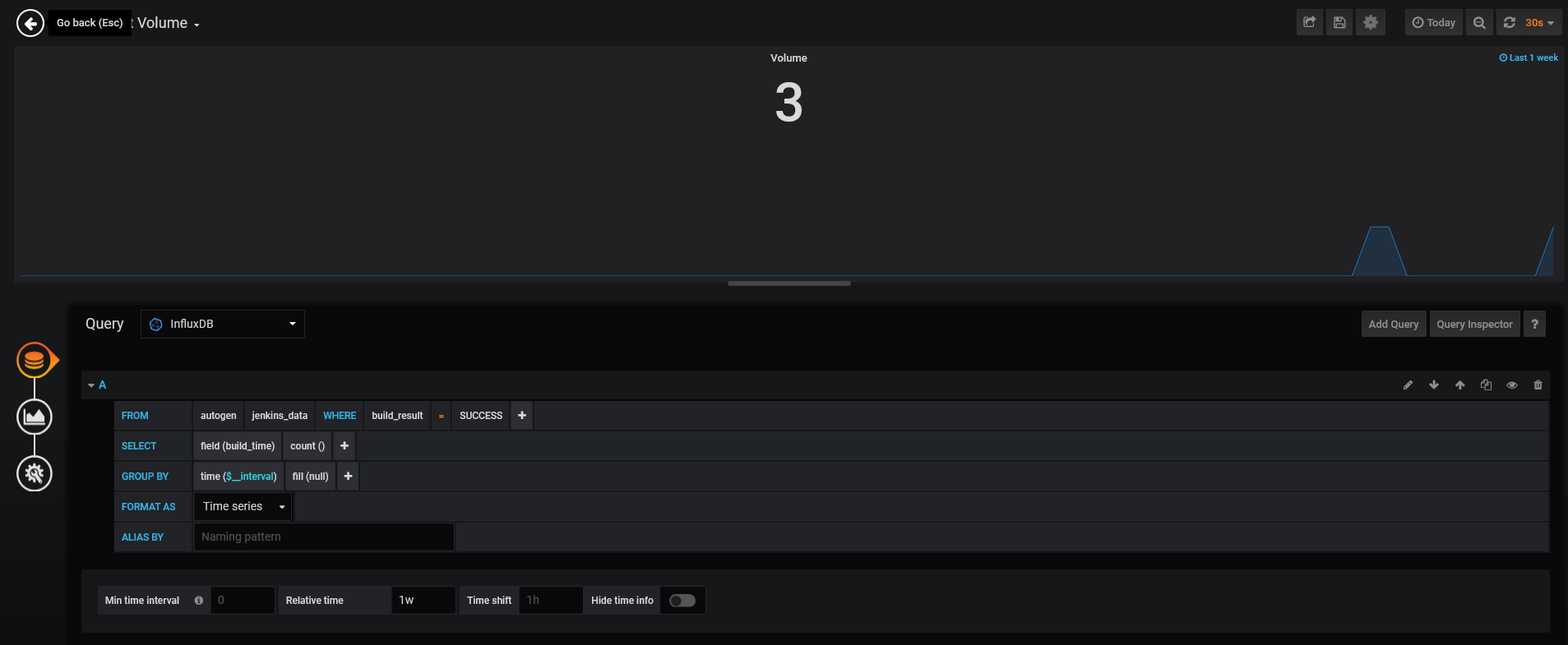
SELECT count("build\_time") FROM "autogen"."jenkins\_data" WHERE ("build\_result" = 'SUCCESS') AND $timeFilter GROUP BY time($\_\_interval) fill(null)

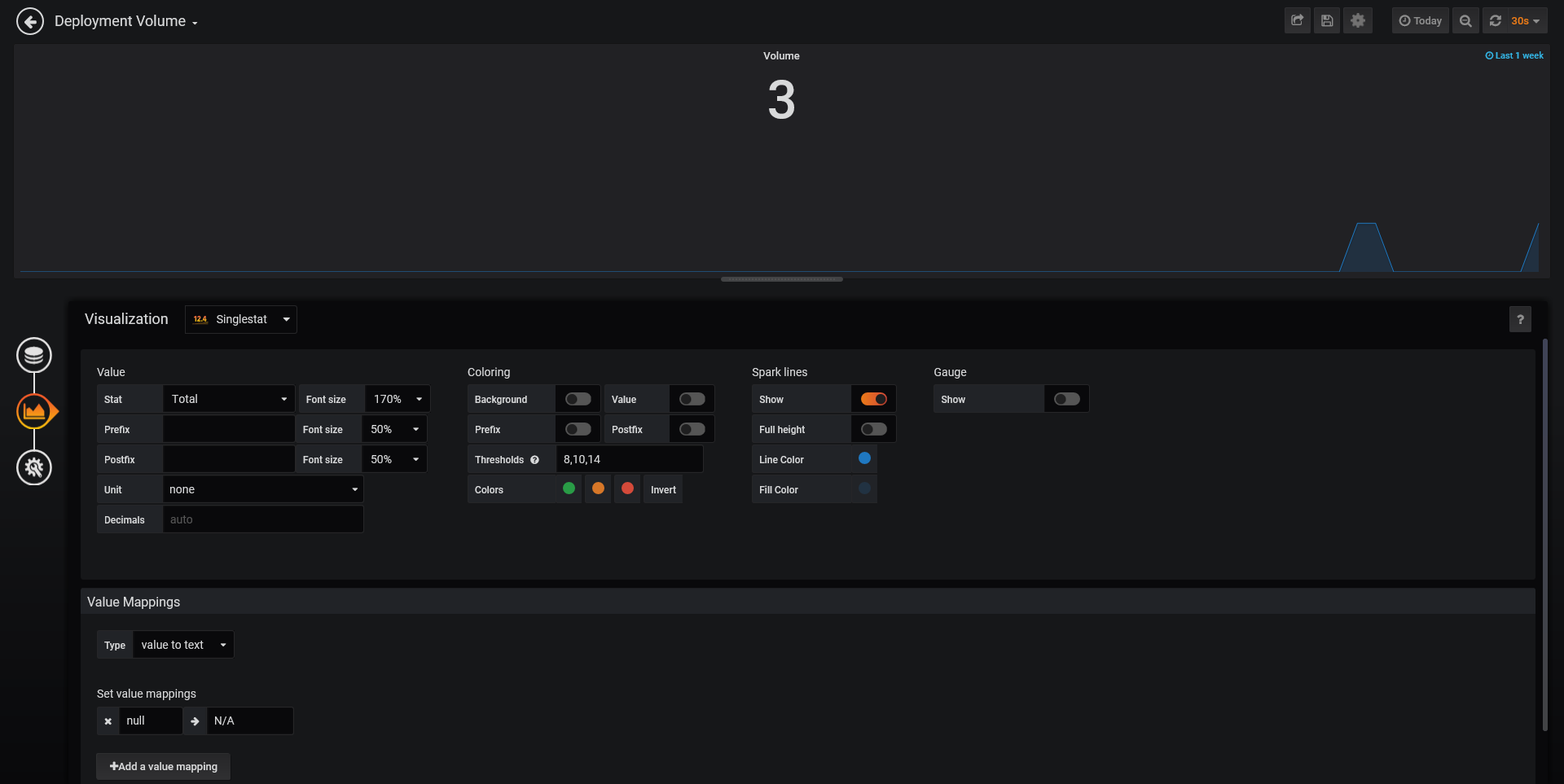
**Volume**



**Volume for last 1 week**

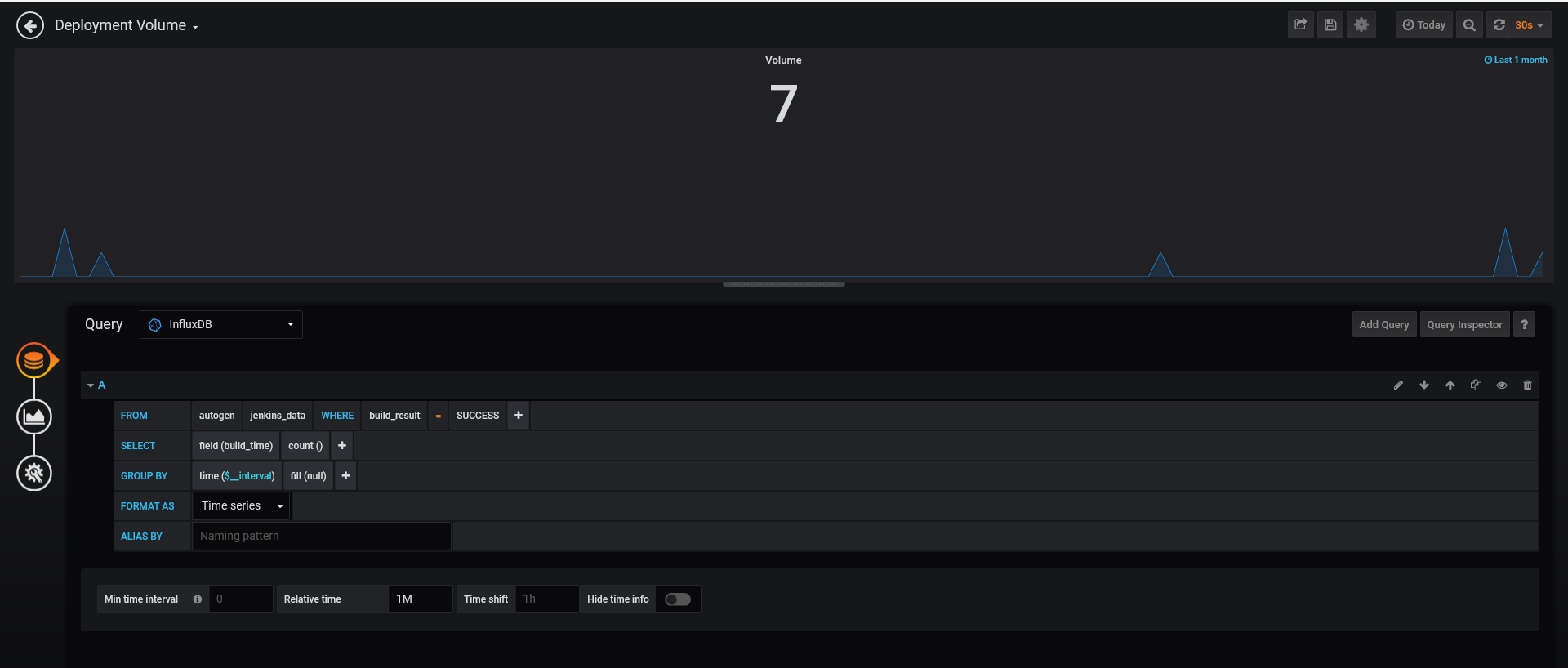
SELECT count("build\_time") FROM "autogen"."jenkins\_data" WHERE ("build\_result" = 'SUCCESS') AND $timeFilter GROUP BY time($\_\_interval) fill(null)

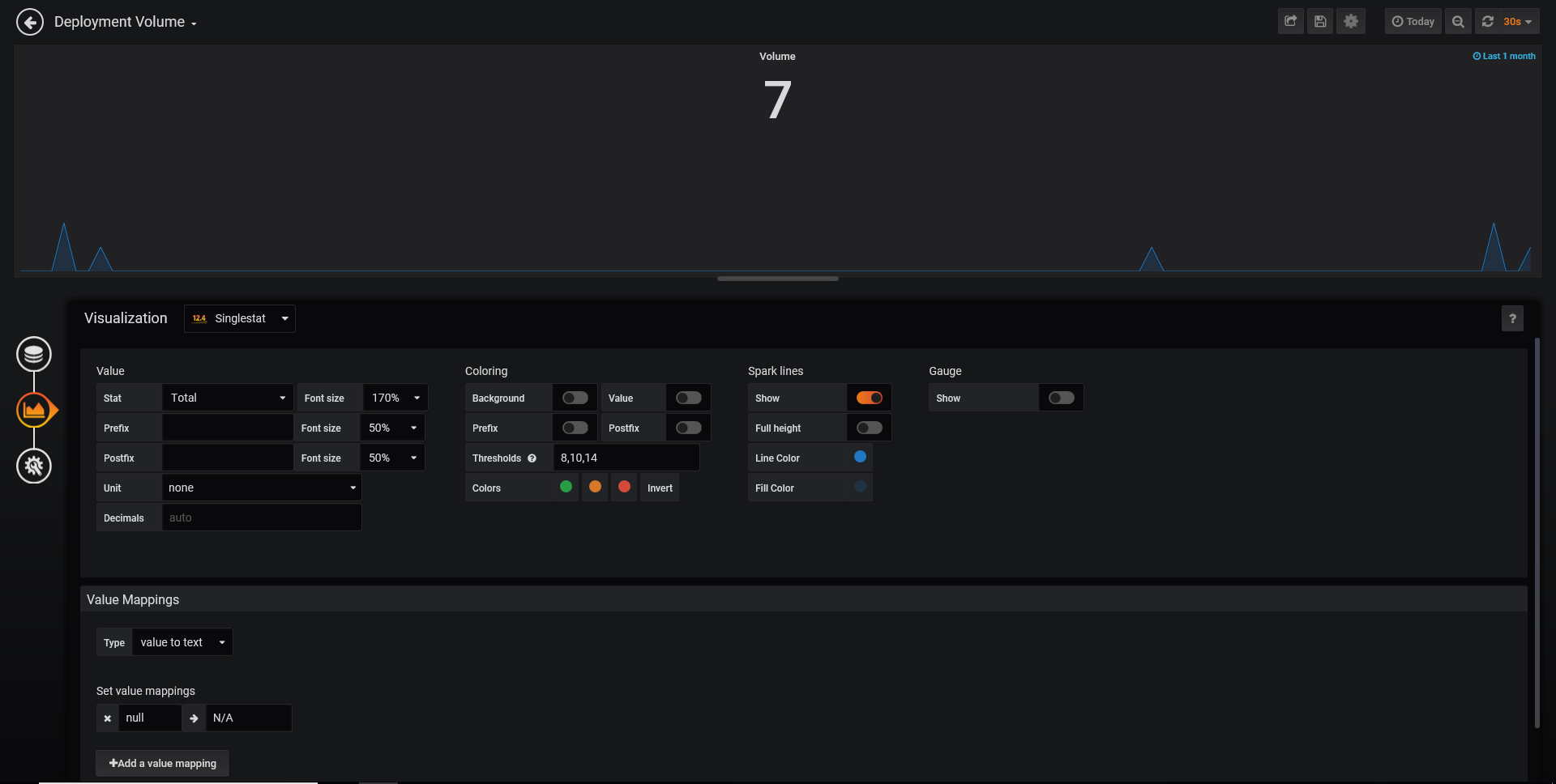




Volume For last 1 Month

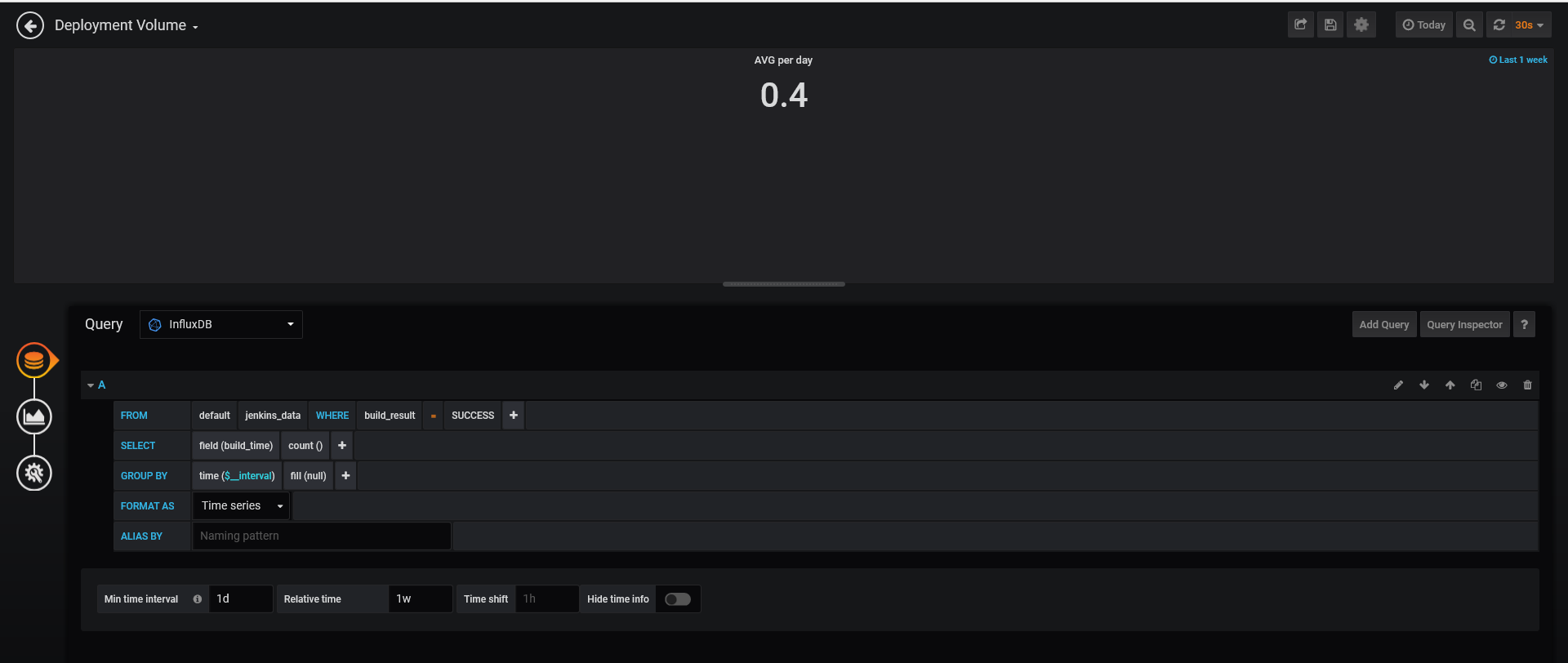
SELECT count("build\_time") FROM "autogen"."jenkins\_data" WHERE ("build\_result" = 'SUCCESS') AND $timeFilter GROUP BY time($\_\_interval) fill(null)



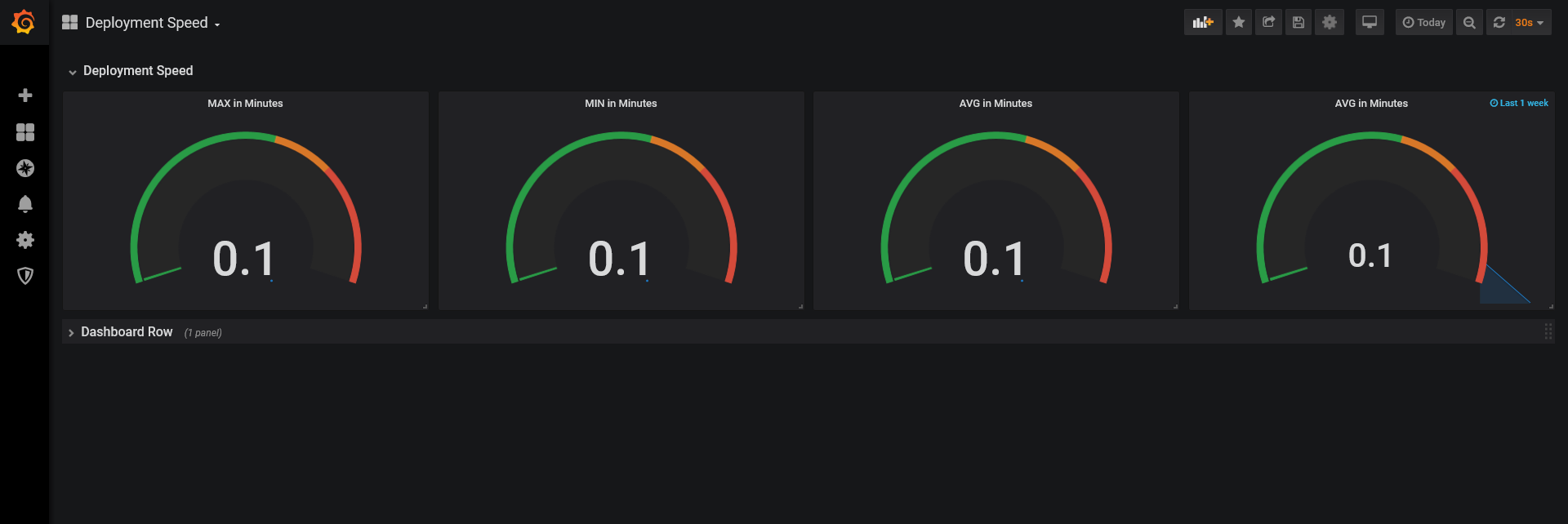


Average Volume per day for 1 week

SELECT count("build\_time") FROM "jenkins\_data" WHERE ("build\_result" = 'SUCCESS') AND $timeFilter GROUP BY time($\_\_interval) fill(null)



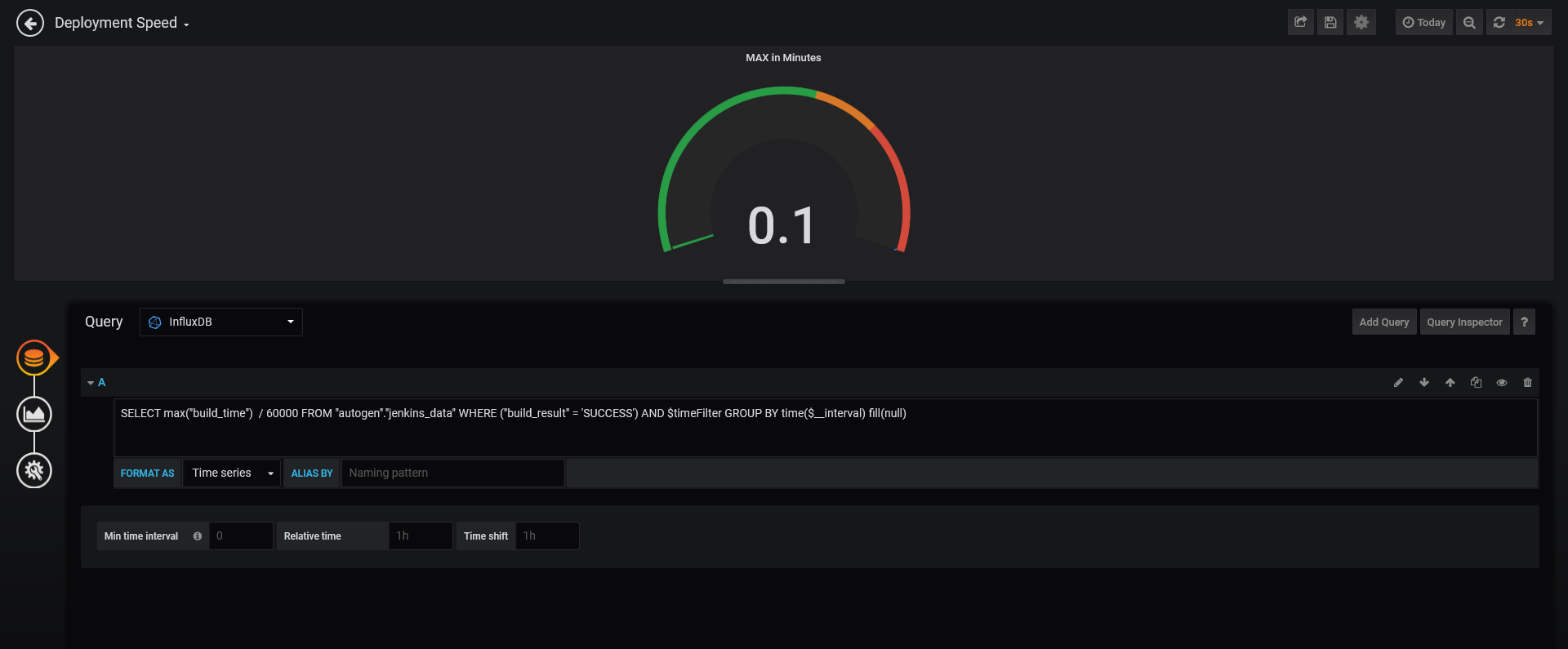
**Deployment Speed**

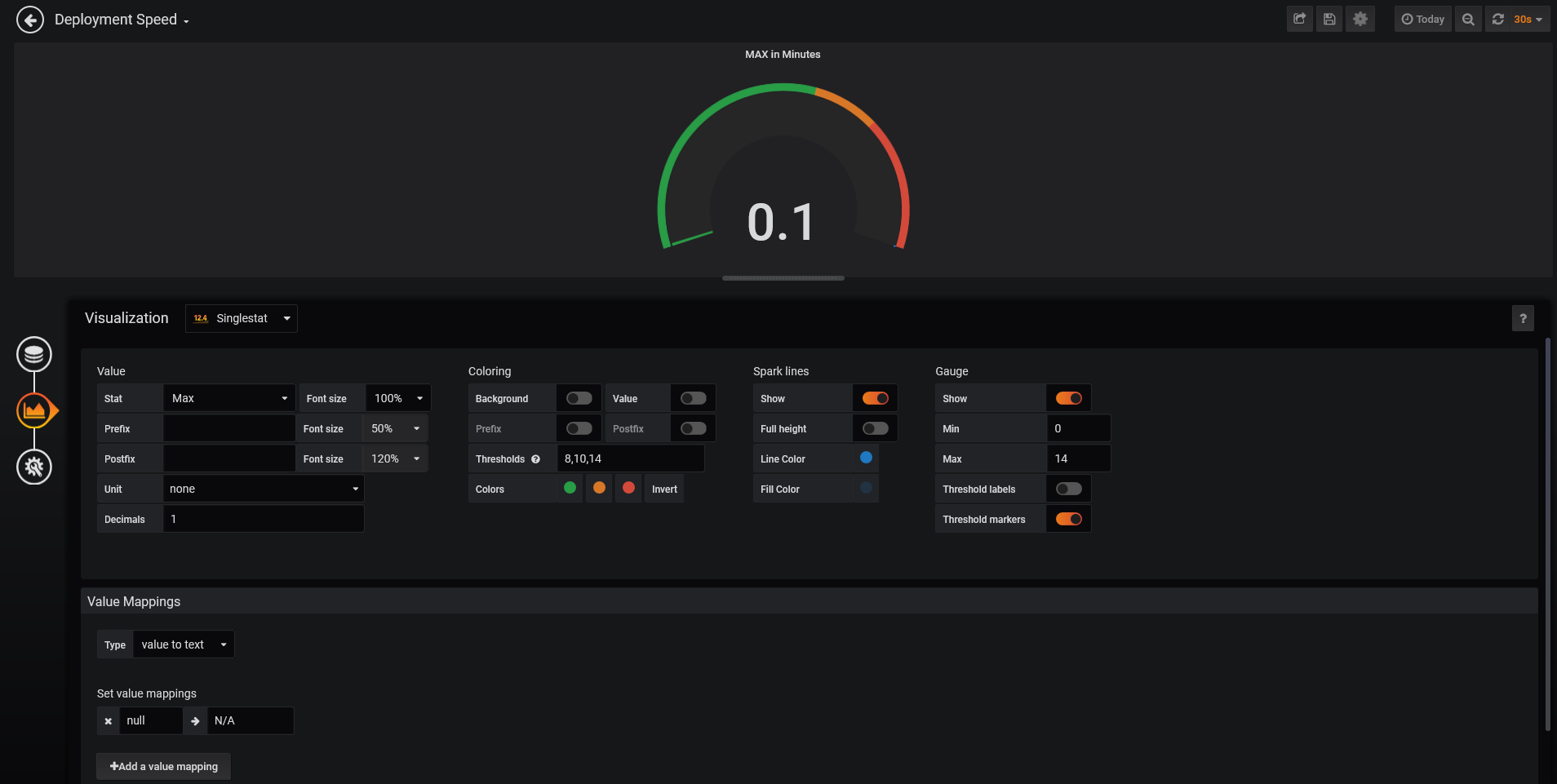


**Query & Setup:**

**Maximum speed in Minutes**

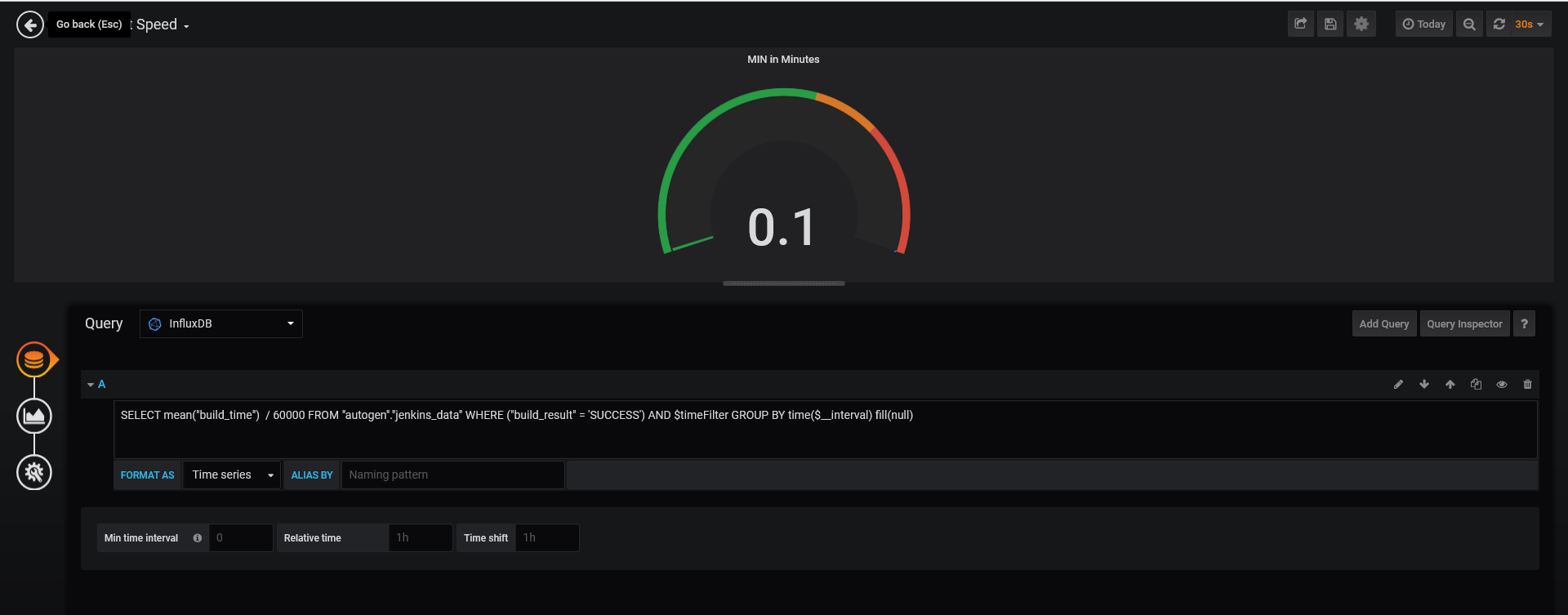
SELECT max("build\_time") / 60000 FROM "autogen"."jenkins\_data" WHERE ("build\_result" = 'SUCCESS') AND $timeFilter GROUP BY time($\_\_interval) fill(null)

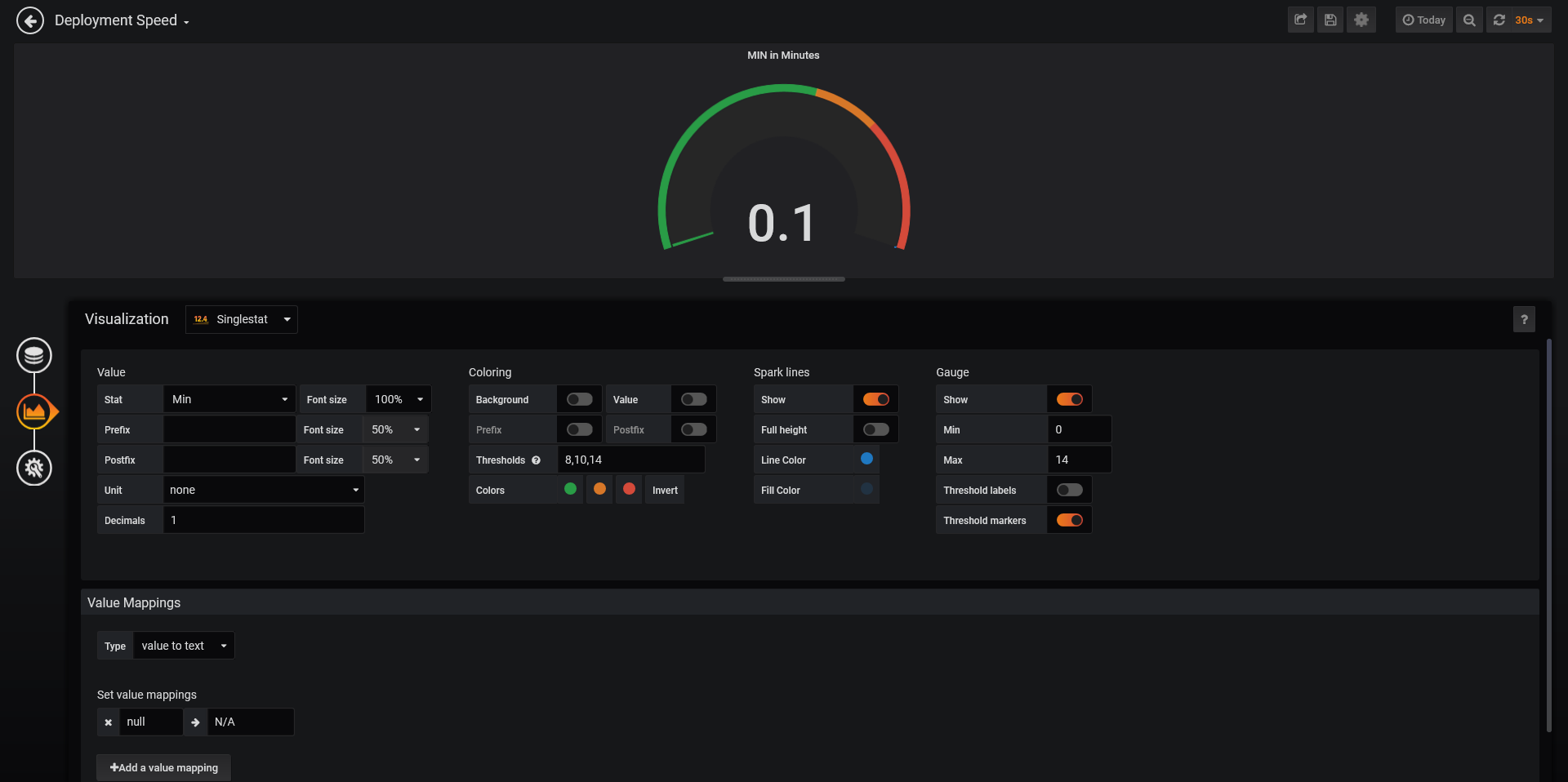




**Minimum Speed in Minutes**

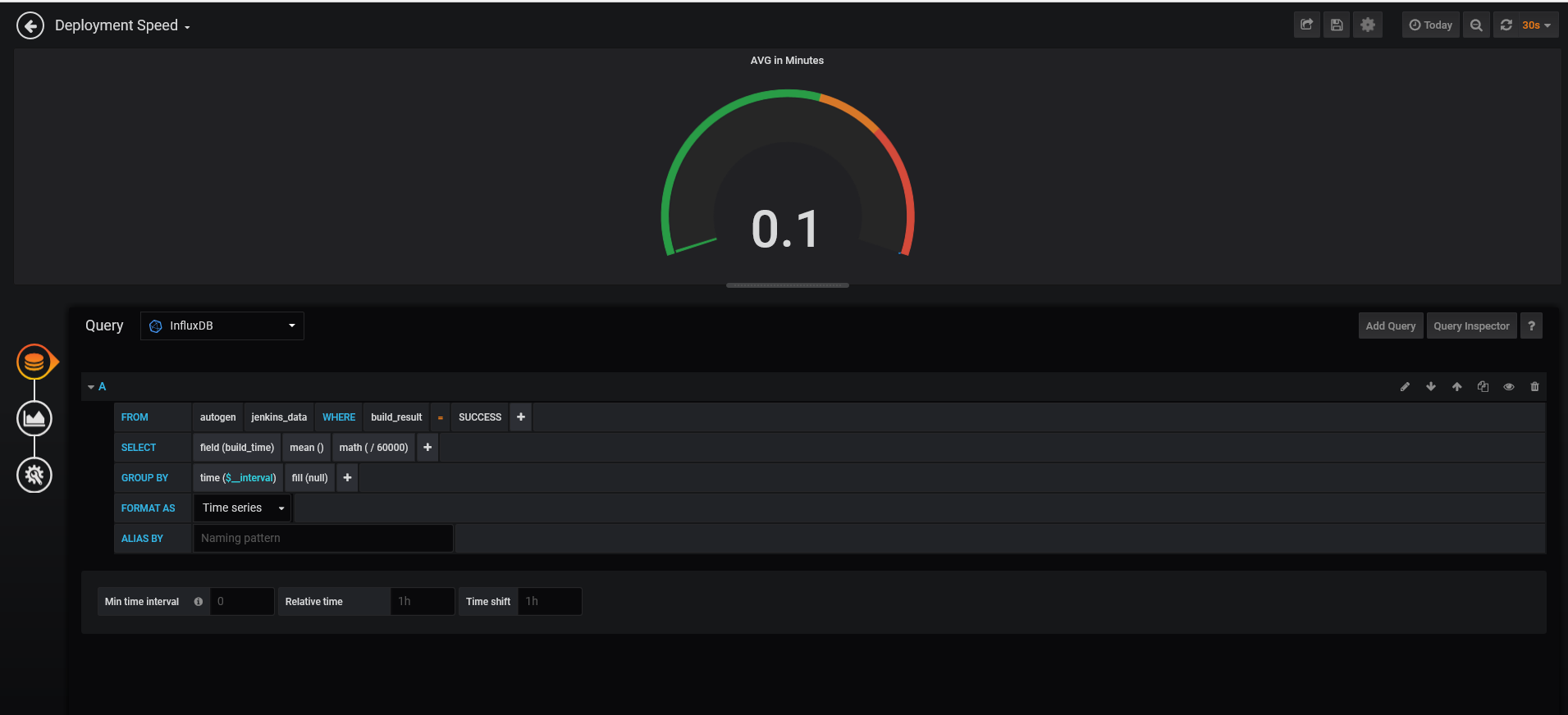
SELECT mean("build\_time") / 60000 FROM "autogen"."jenkins\_data" WHERE ("build\_result" = 'SUCCESS') AND $timeFilter GROUP BY time($\_\_interval) fill(null)

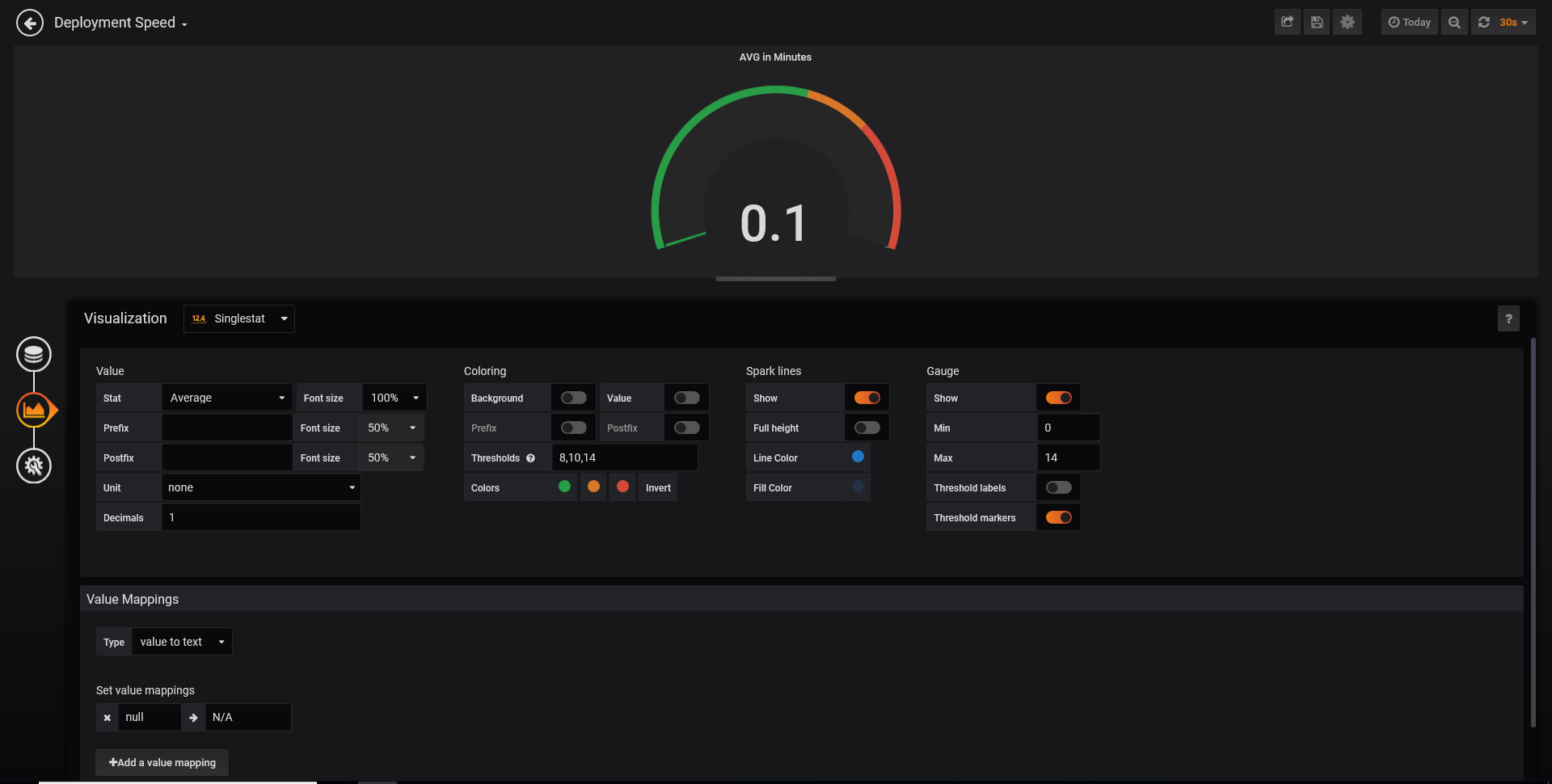




**Average speed in Minutes**

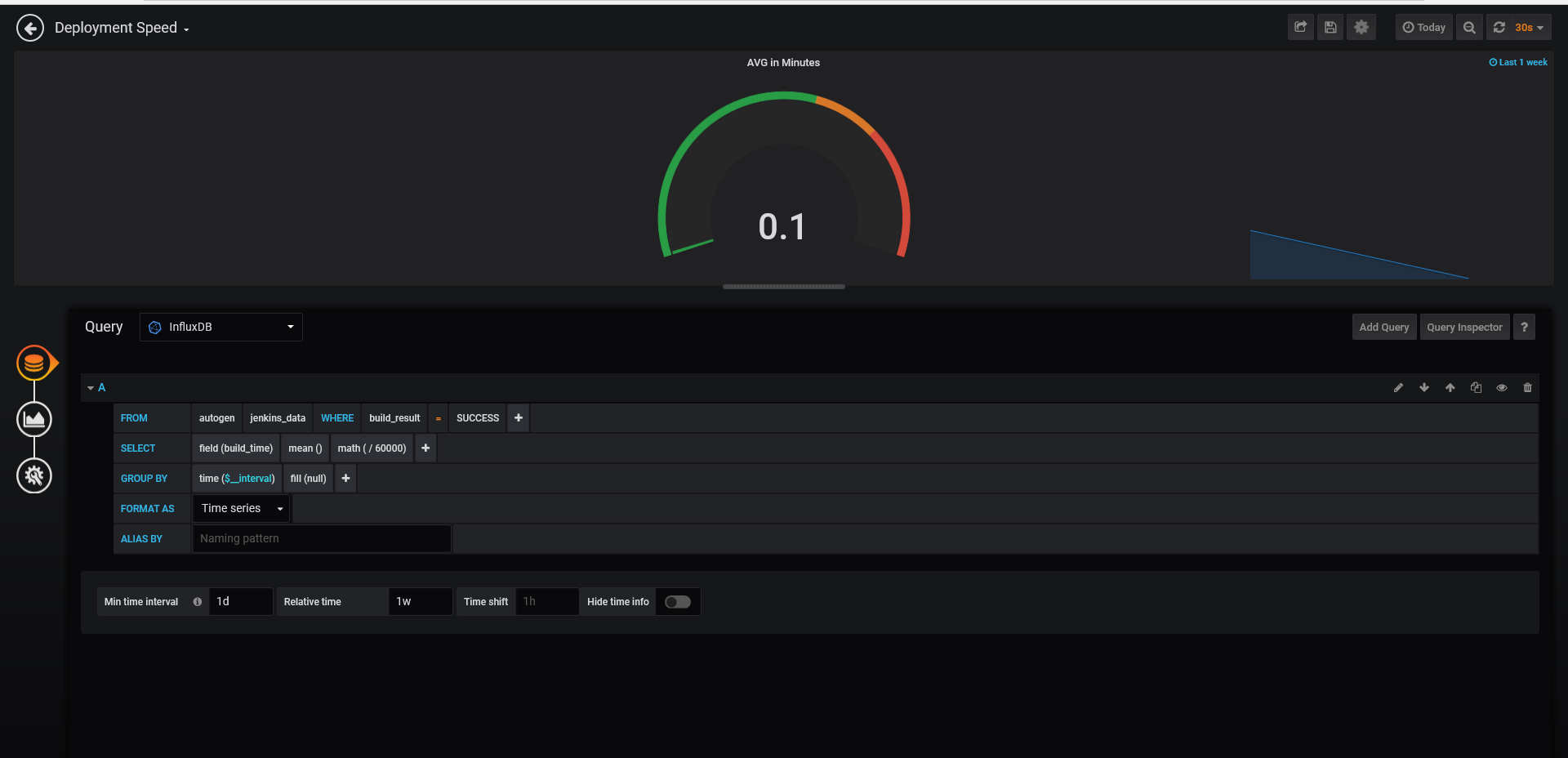
SELECT mean("build\_time") / 60000 FROM "autogen"."jenkins\_data" WHERE ("build\_result" = 'SUCCESS') AND $timeFilter GROUP BY time($\_\_interval) fill(null)

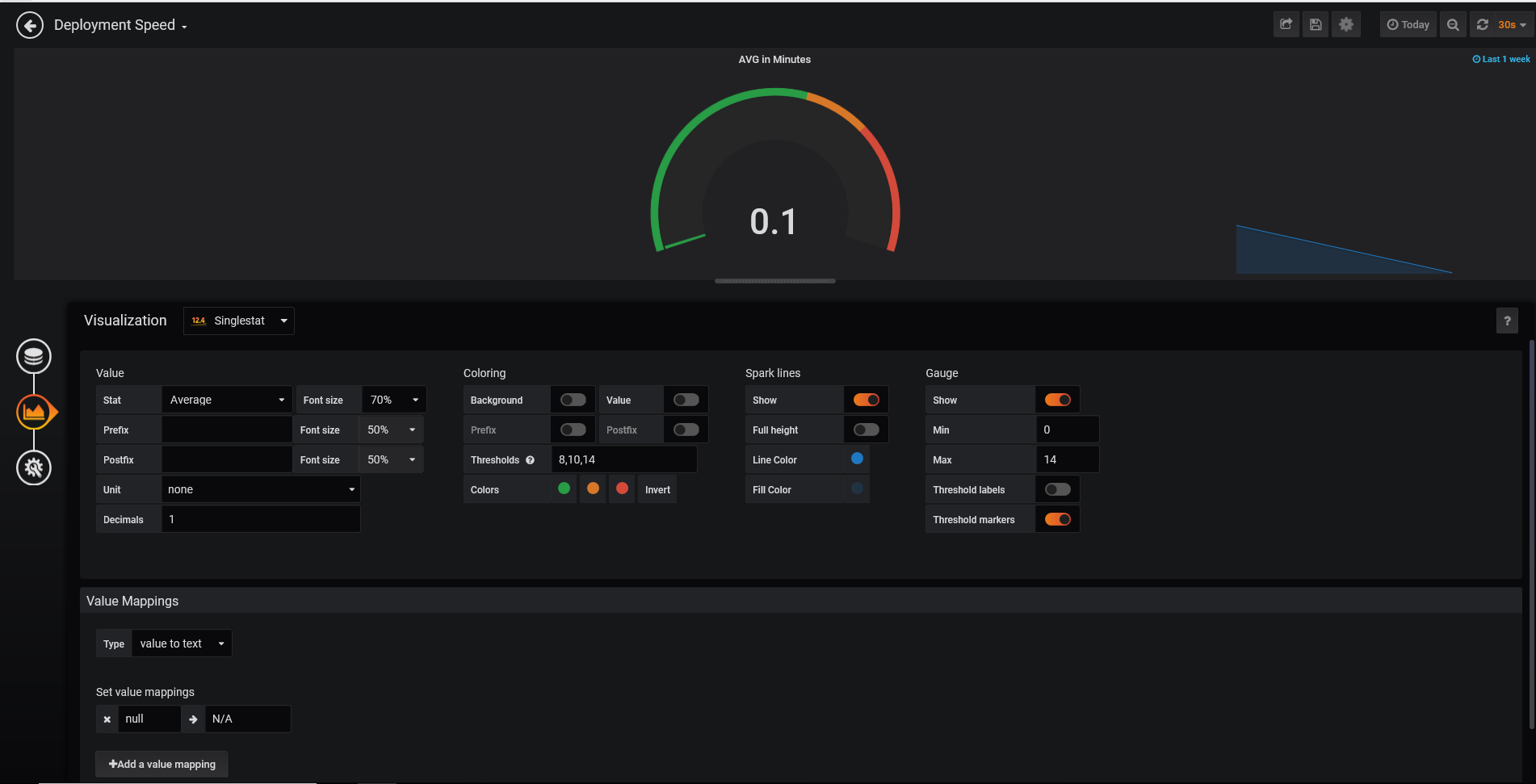




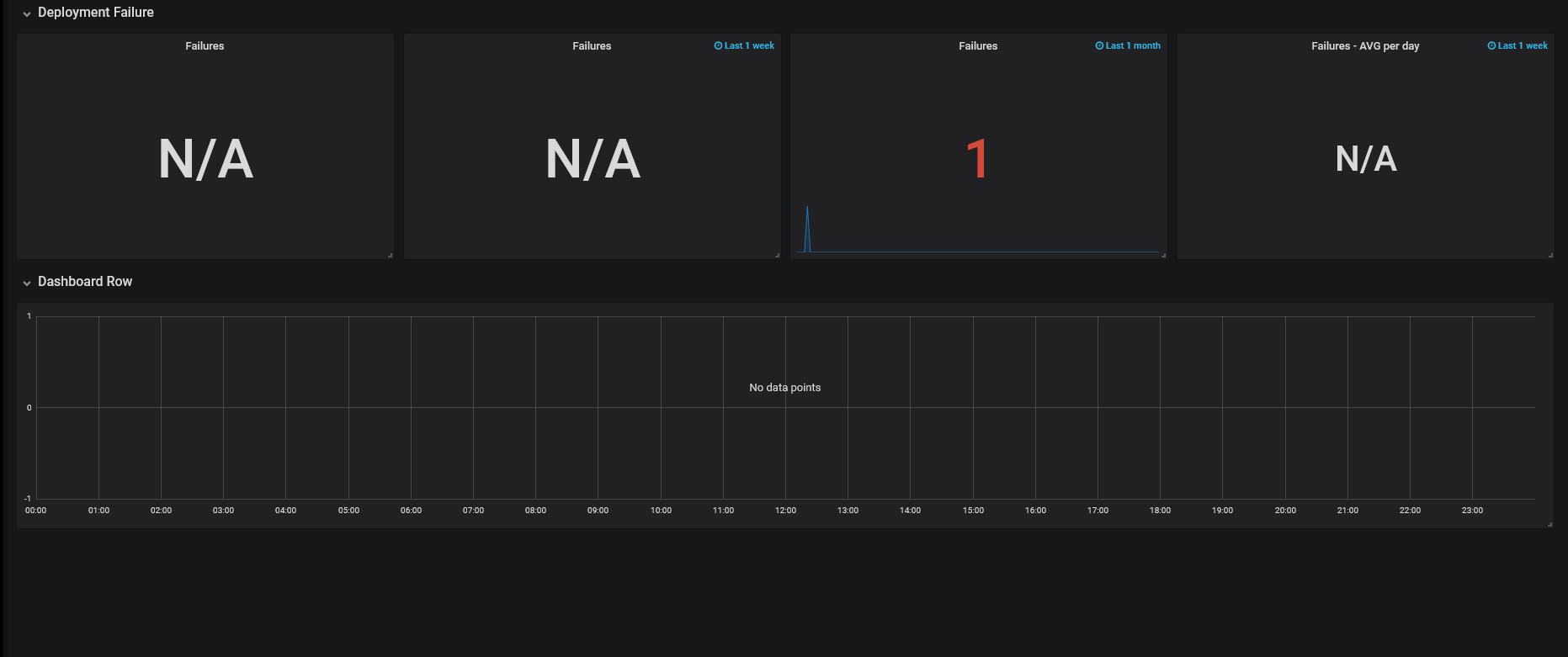
Average Speed in Minutes For 1 Week

SELECT mean("build\_time") / 60000 FROM "autogen"."jenkins\_data" WHERE ("build\_result" = 'SUCCESS') AND $timeFilter GROUP BY time($\_\_interval) fill(null)





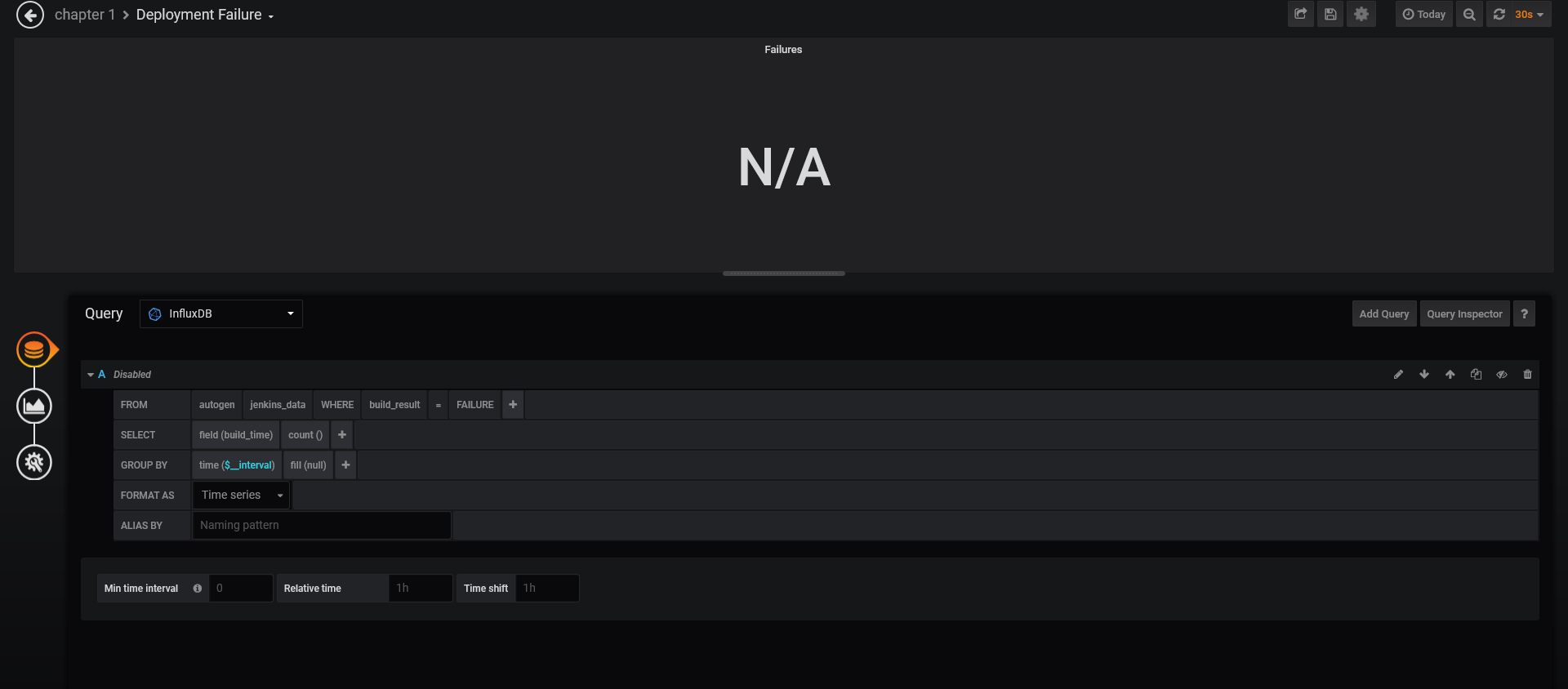
**Deployment Failure**



Query and setup:

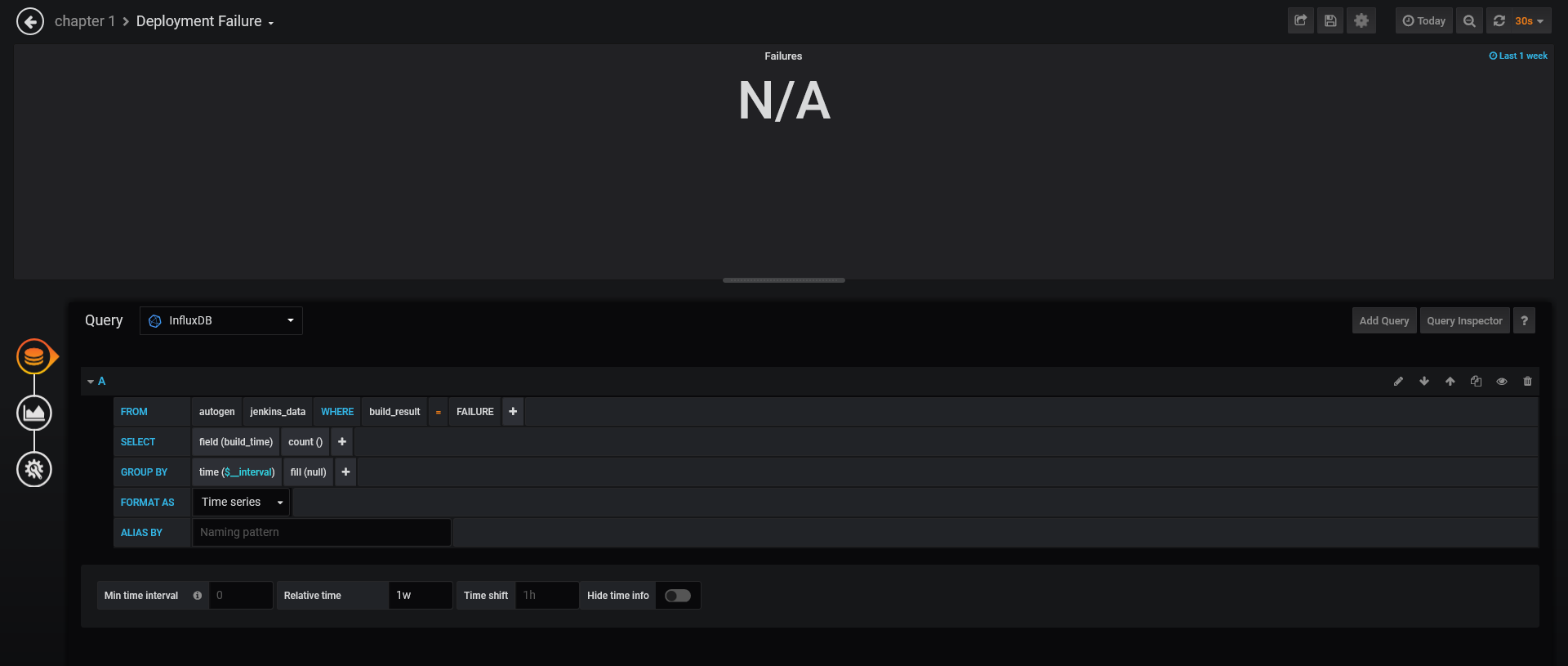
**Failures**

SELECT count("build\_time") FROM "autogen"."jenkins\_data" WHERE ("build\_result" = 'FAILURE') AND $timeFilter GROUP BY time($\_\_interval) fill(null)



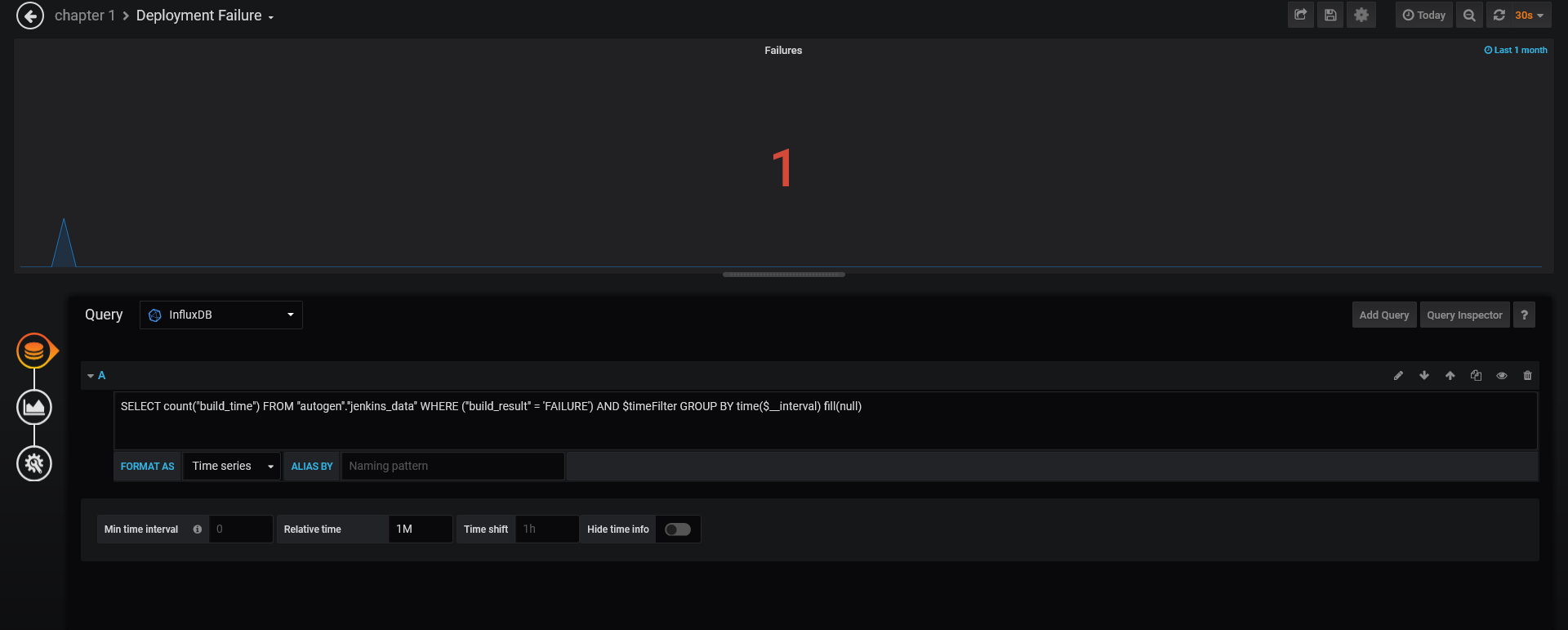
**Failure in 1 Week**

SELECT count("build\_time") FROM "autogen"."jenkins\_data" WHERE ("build\_result" = 'FAILURE') AND $timeFilter GROUP BY time($\_\_interval) fill(null)



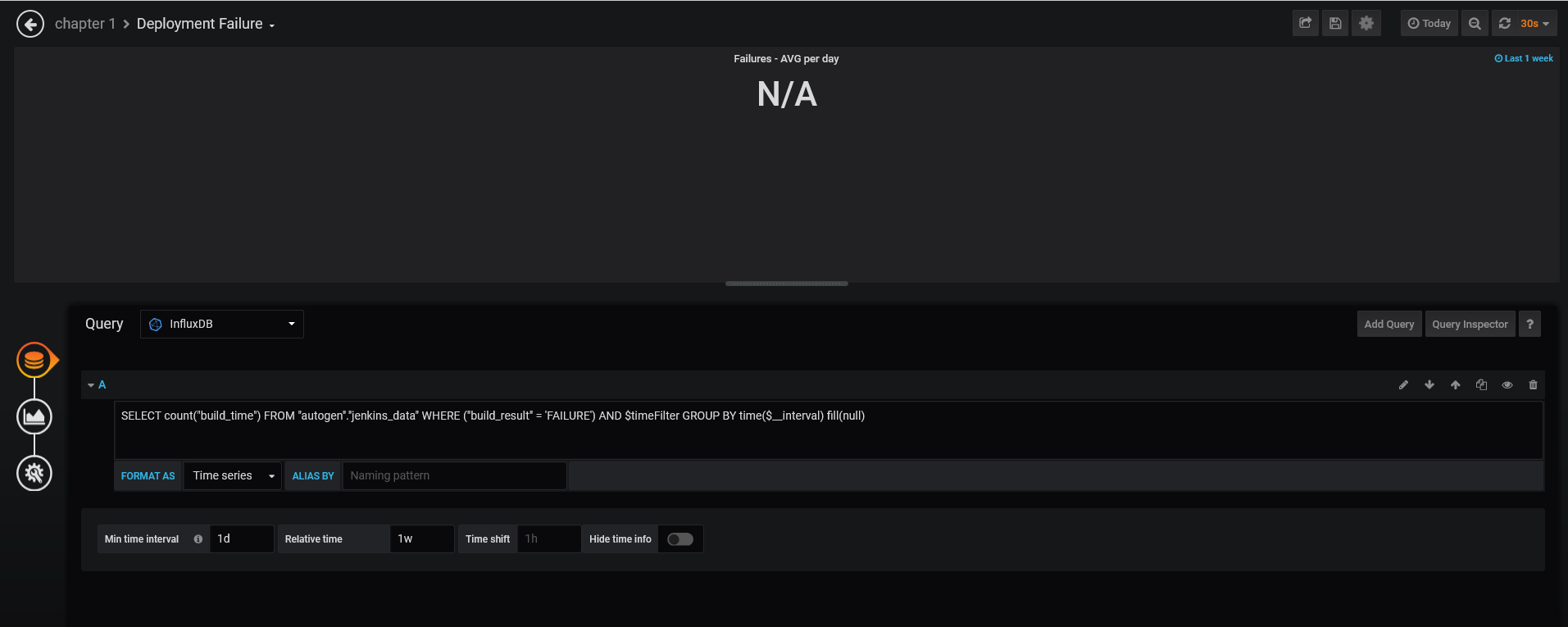
**Failures on last 1 Month**

SELECT count("build\_time") FROM "autogen"."jenkins\_data" WHERE ("build\_result" = 'FAILURE') AND $timeFilter GROUP BY time($\_\_interval) fill(null)



**Average failures in 1 week**

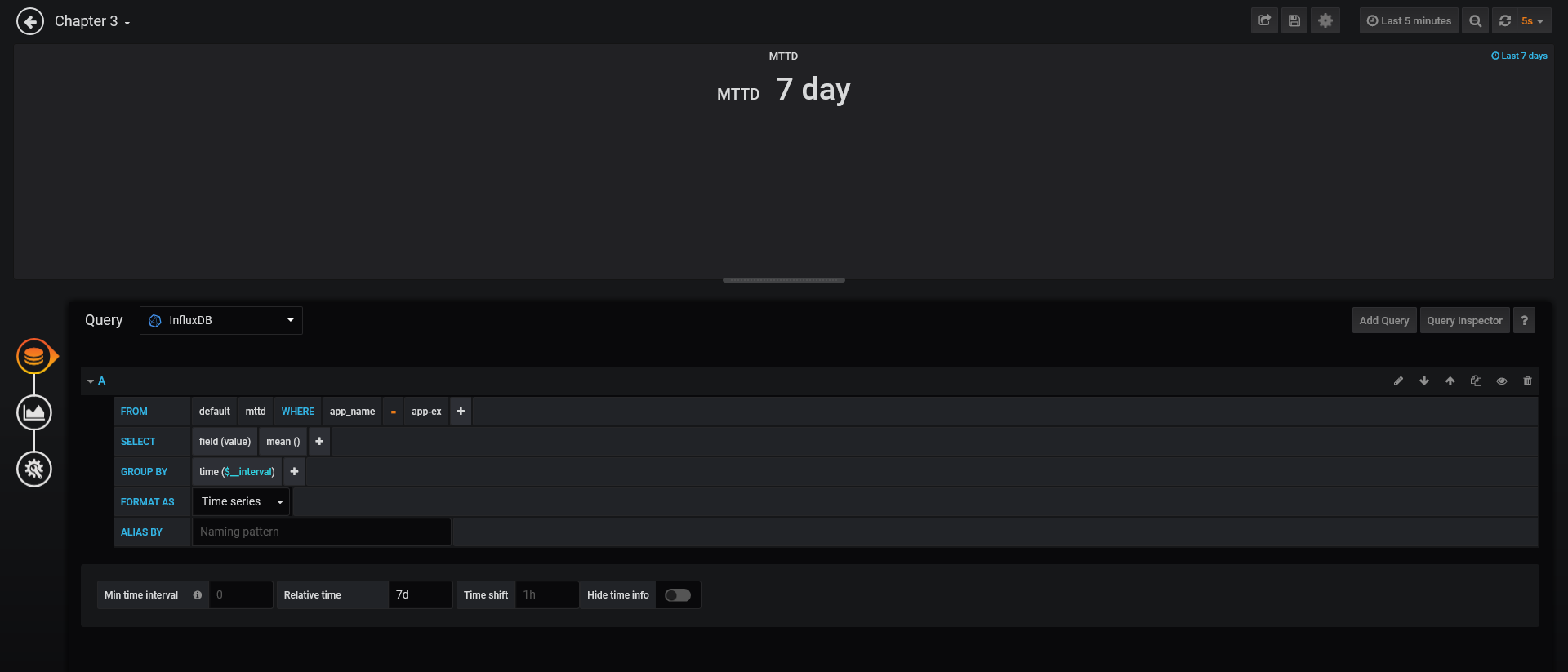
SELECT count("build\_time") FROM "autogen"."jenkins\_data" WHERE ("build\_result" = 'FAILURE') AND $timeFilter GROUP BY time($\_\_interval) fill(null)

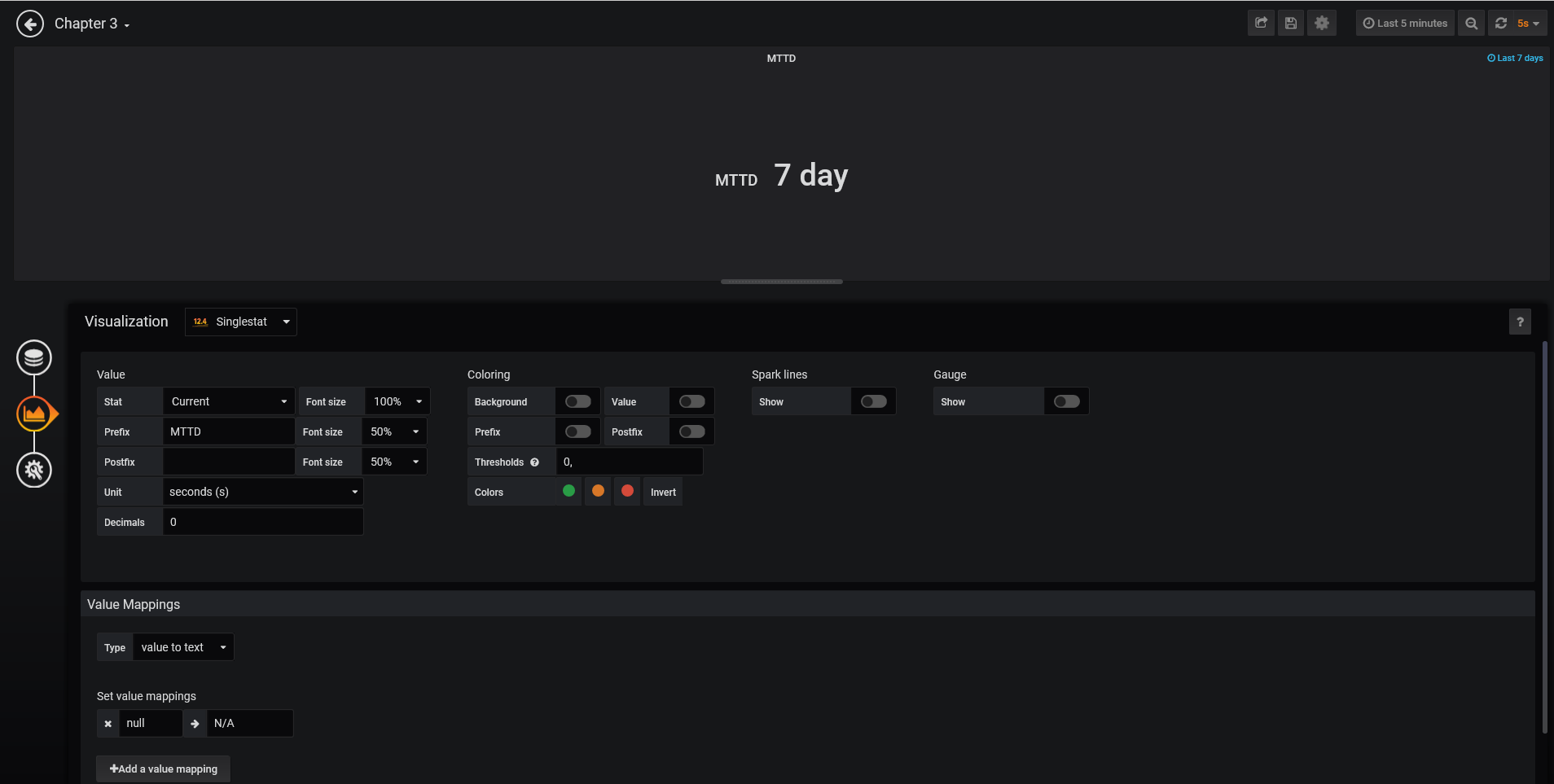




**Mean Time To Detection**:

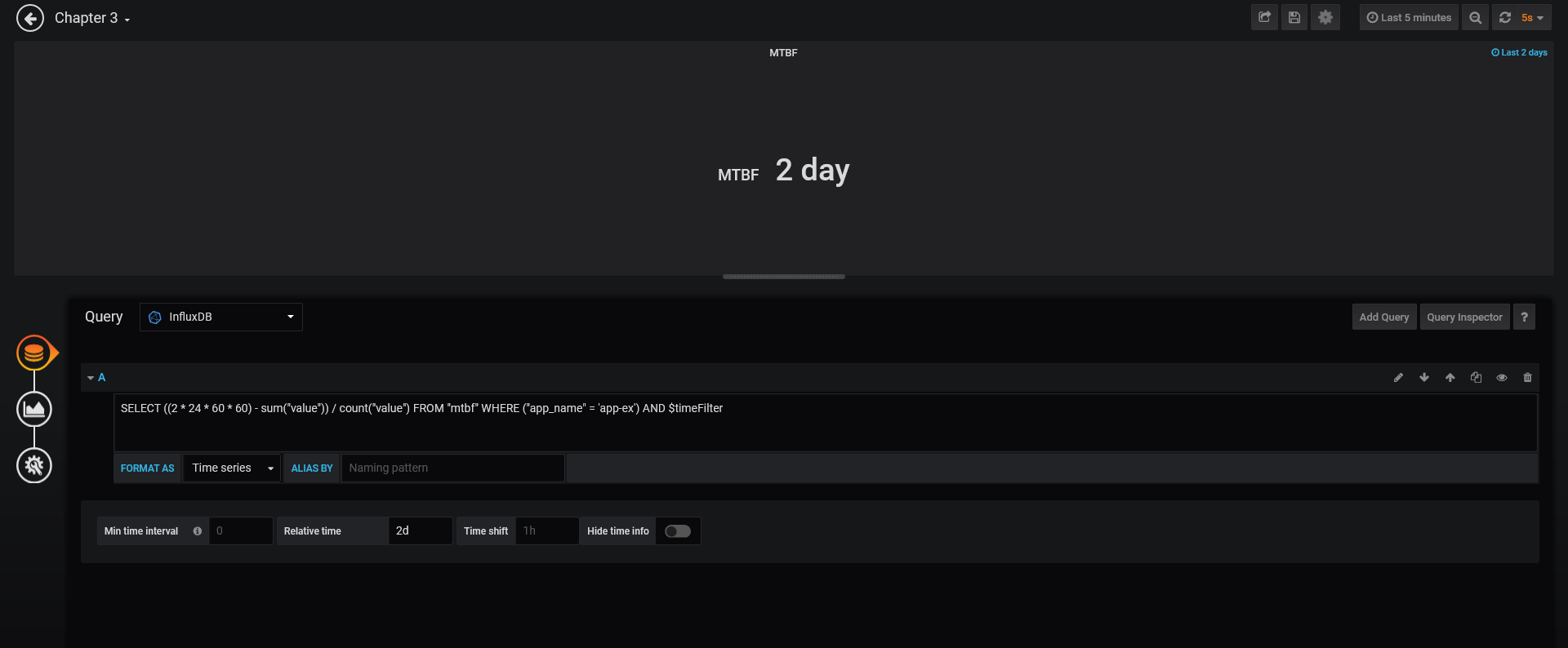
SELECT mean("value") FROM "mttd" WHERE ("app\_name" = 'app-ex') AND $timeFilter GROUP BY time($\_\_interval)

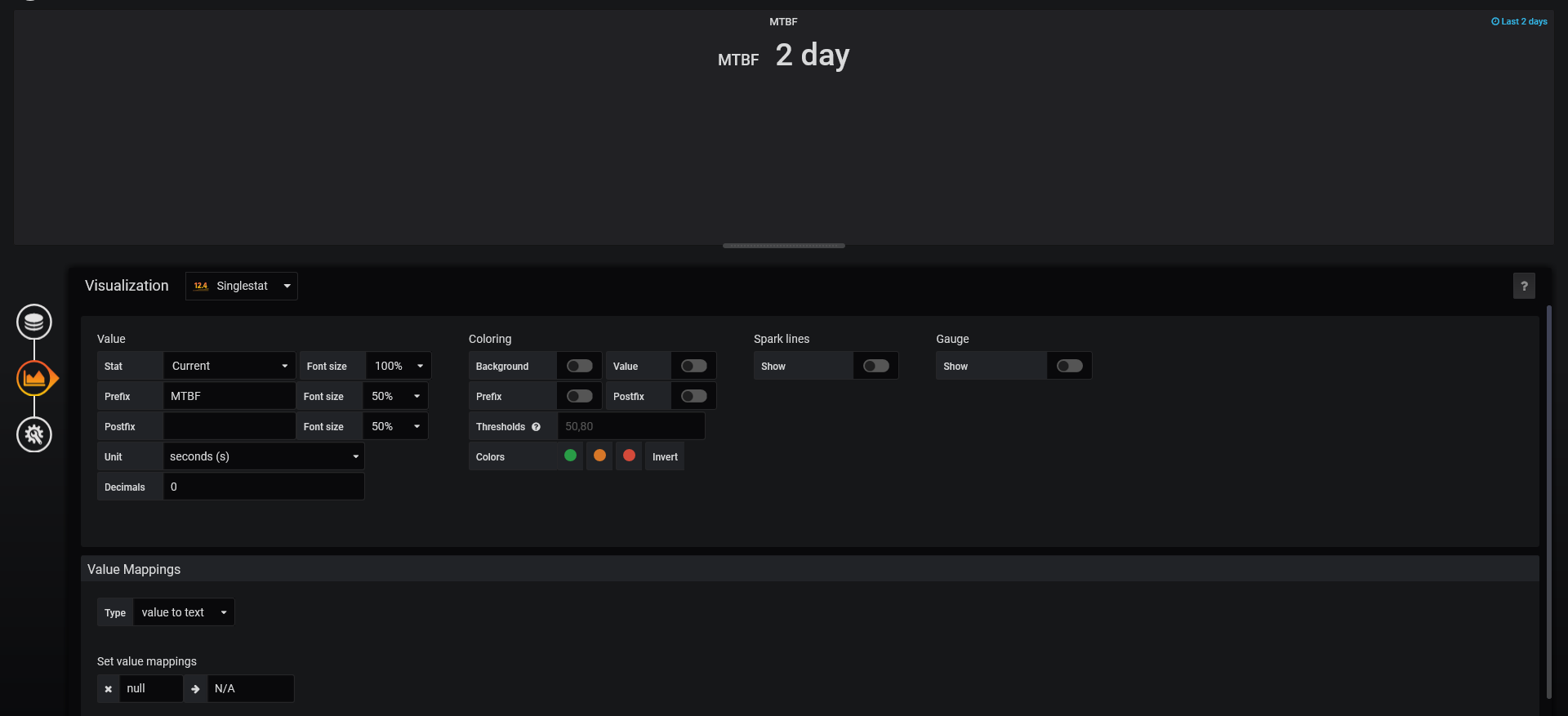




**MEAN TIME BETWEEN FAILURE**

SELECT ((2 \* 24 \* 60 \* 60) - sum("value")) / count("value") FROM "mtbf" WHERE ("app\_name" = 'app-ex') AND $timeFilter

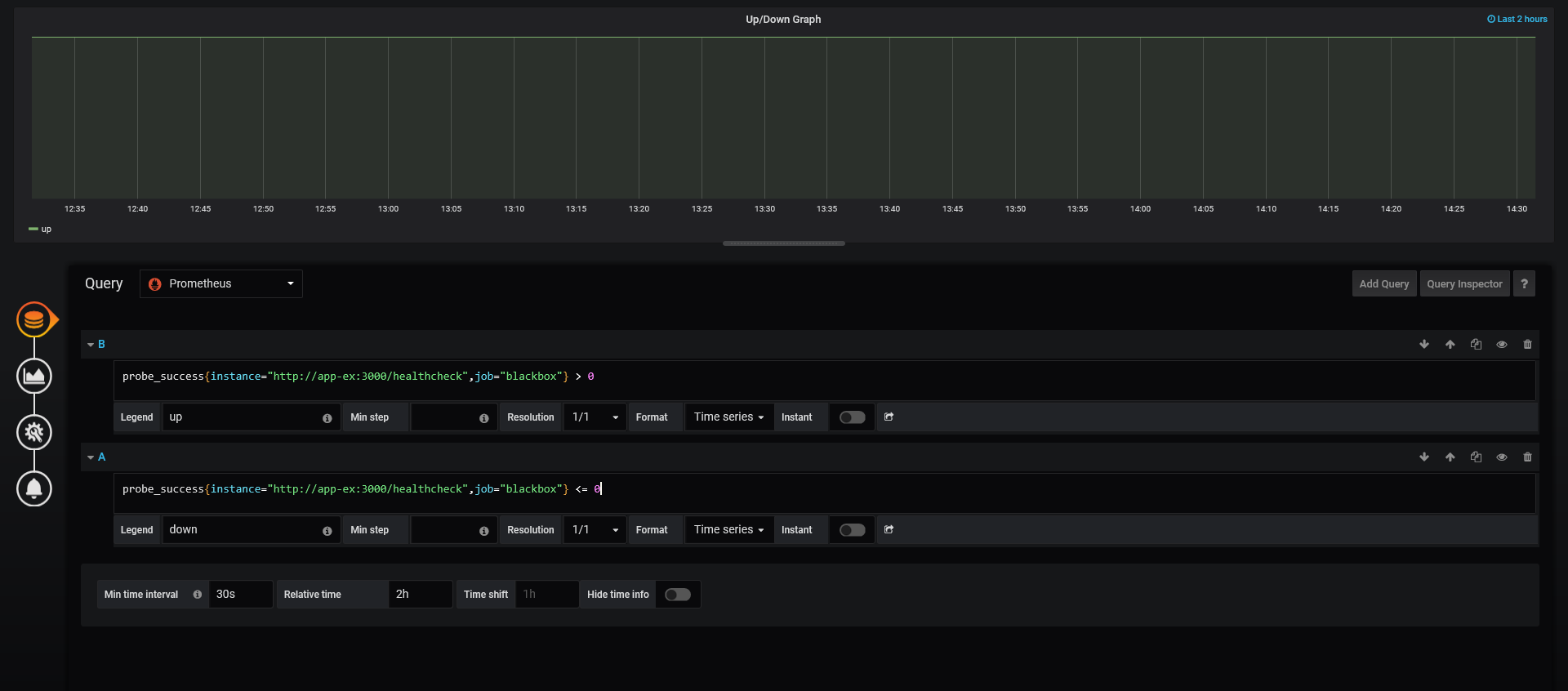


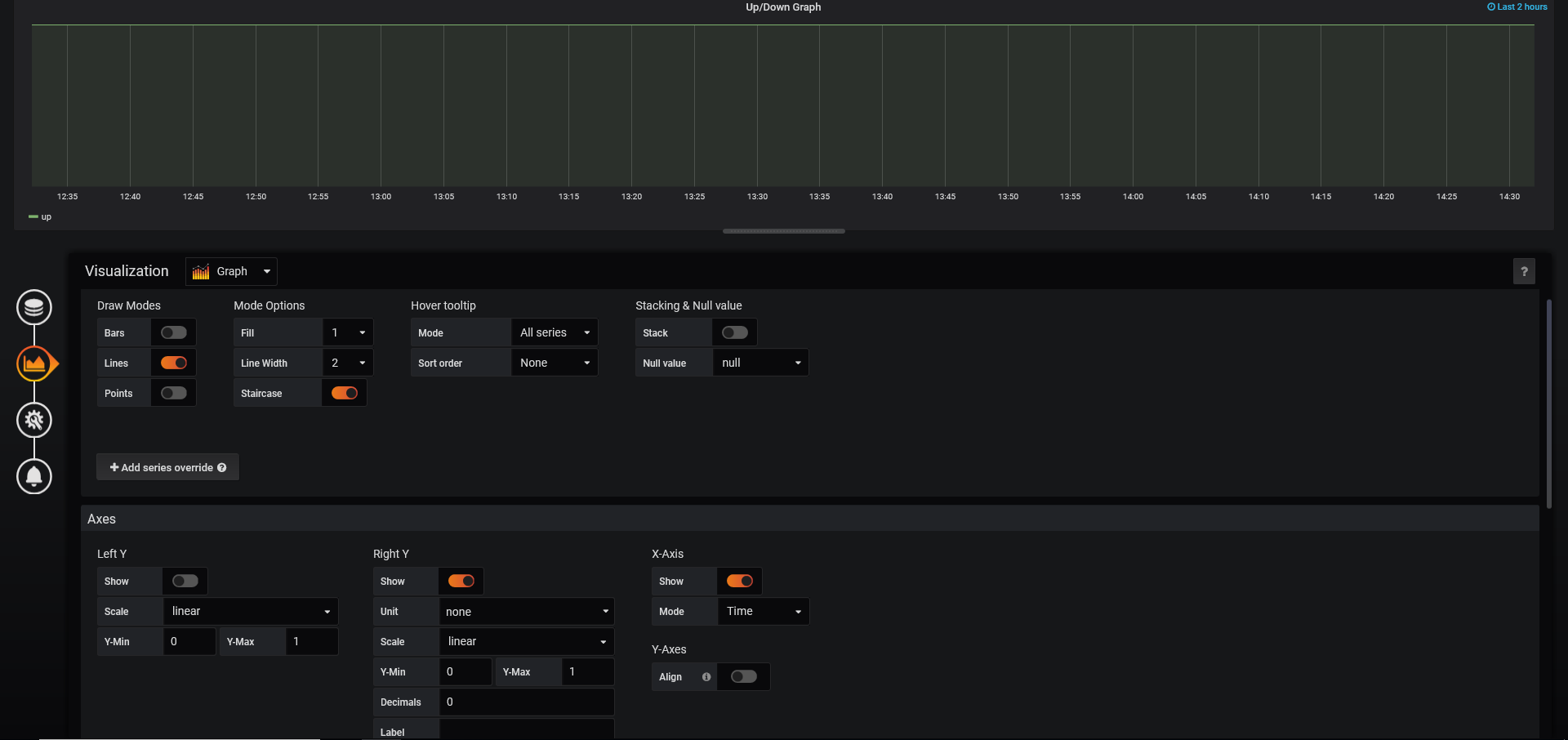


Graph of UP and Downtime

probe\_success{instance="http://app-ex:3000/healthcheck",job="blackbox"} > 0

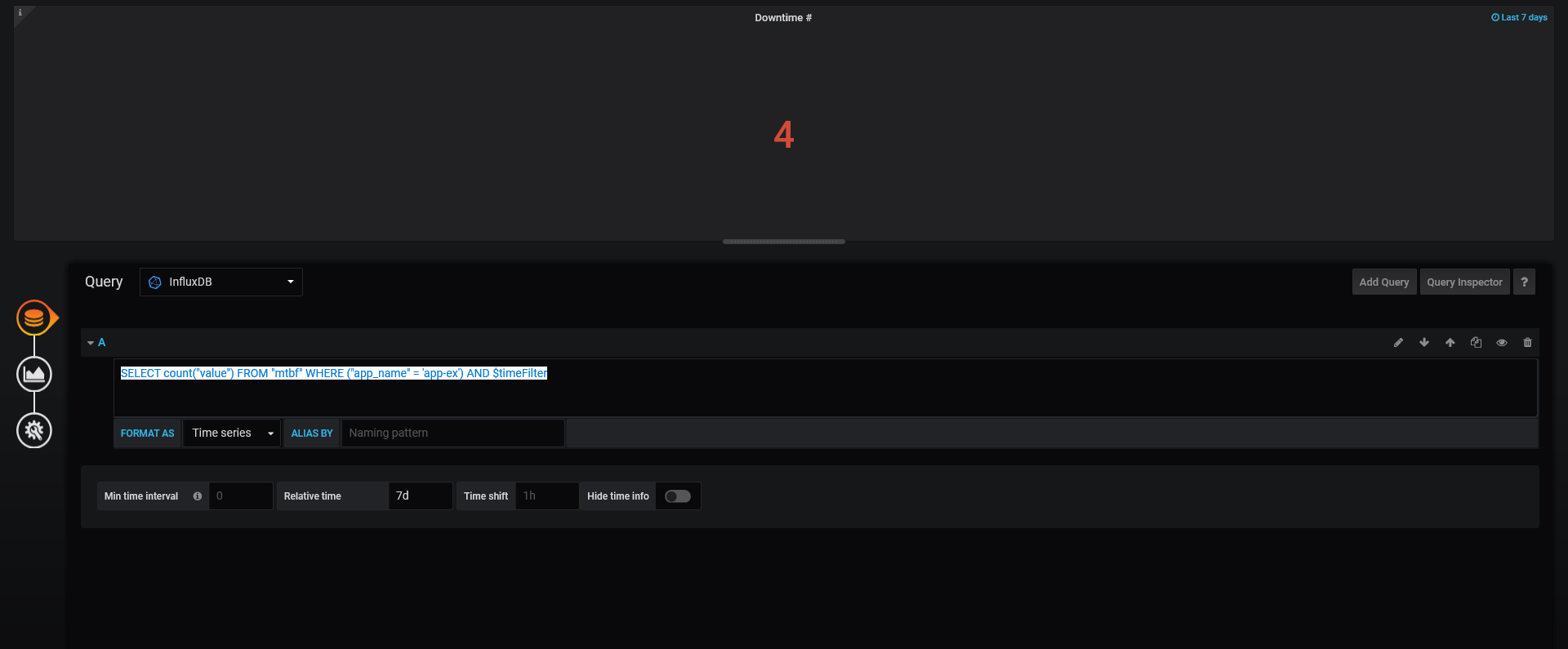
probe\_success{instance="http://app-ex:3000/healthcheck",job="blackbox"} <= 0

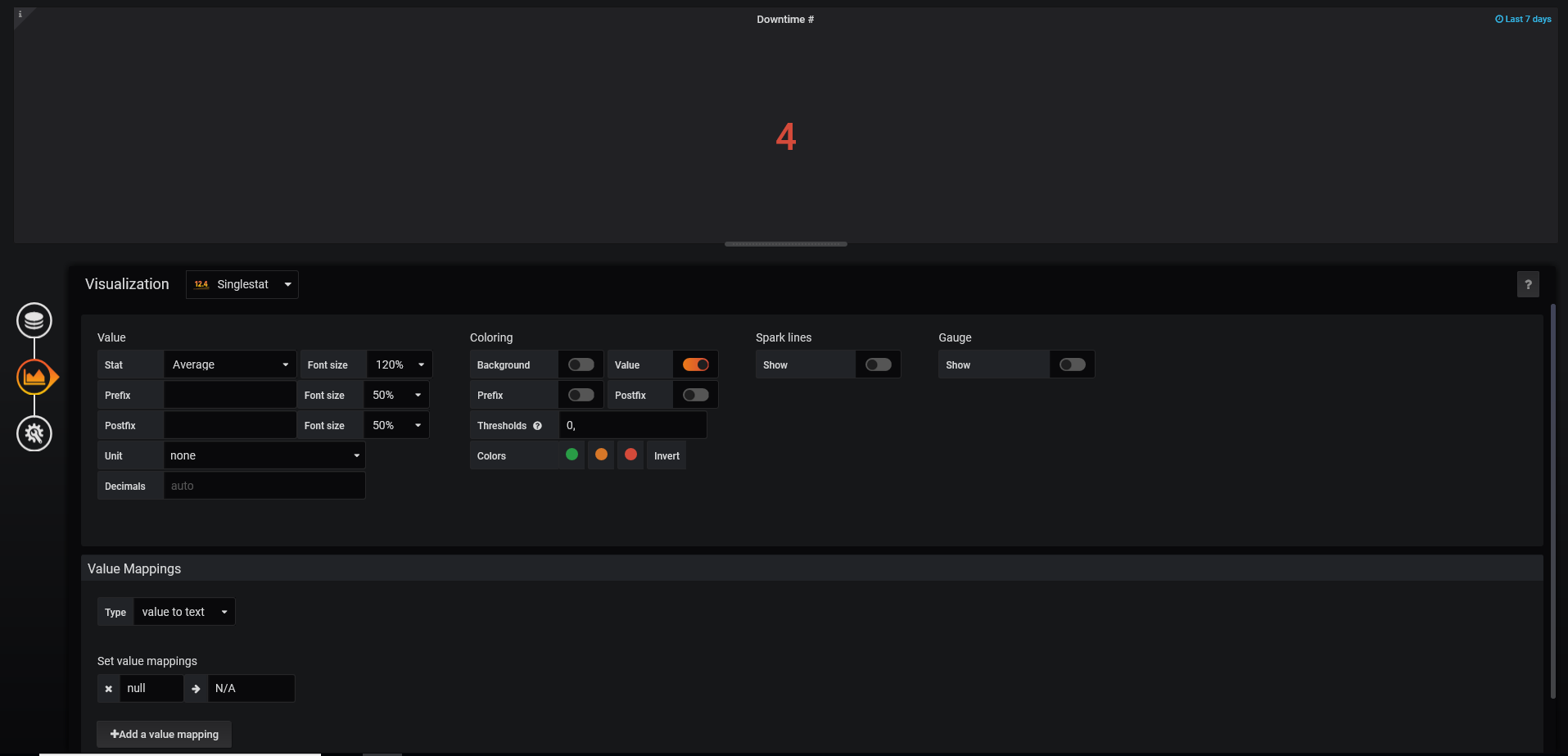




**DownTime:**

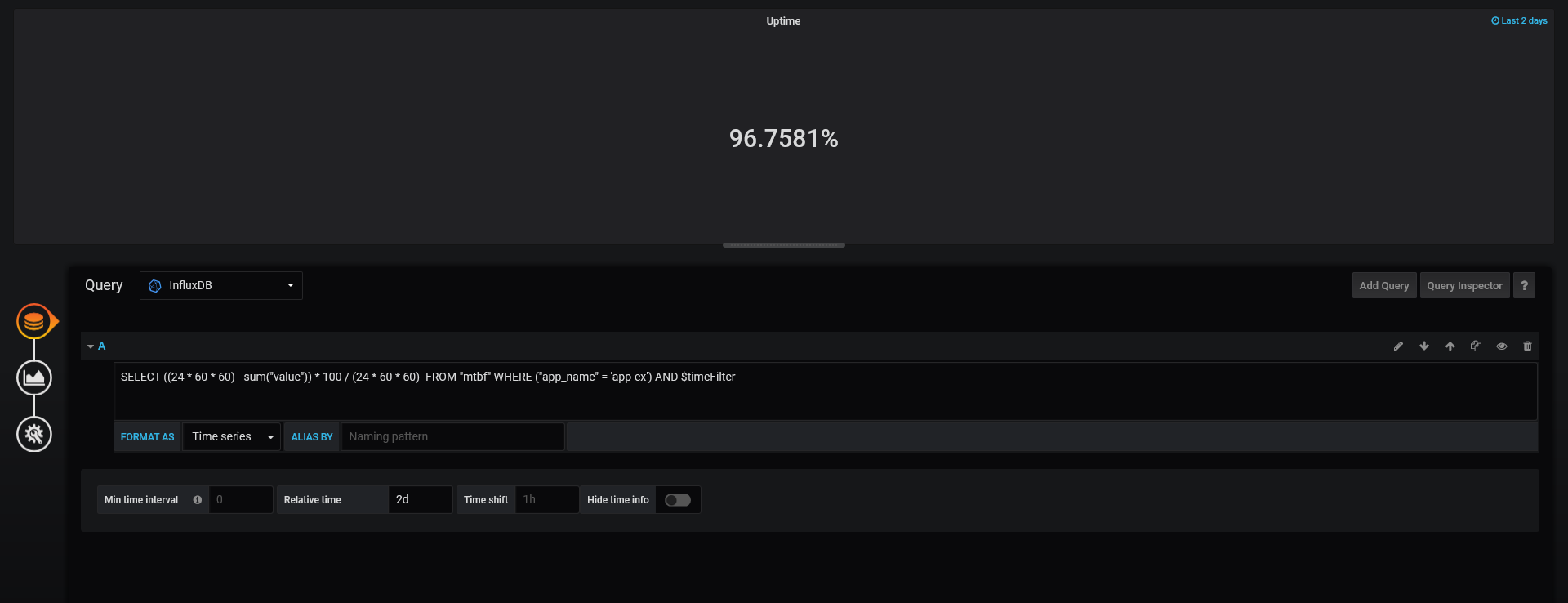
SELECT count("value") FROM "mtbf" WHERE ("app\_name" = 'app-ex') AND $timeFilter

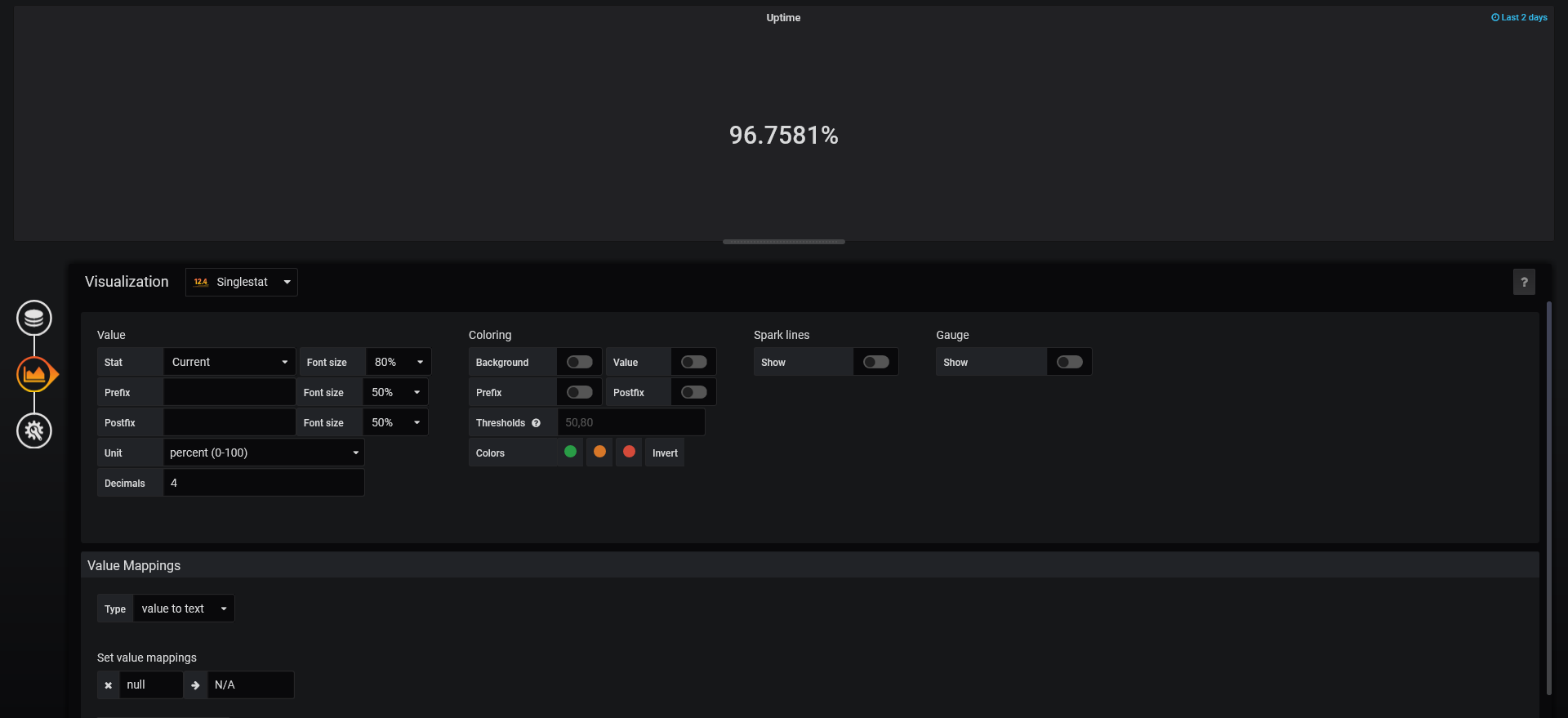




**UPTime**

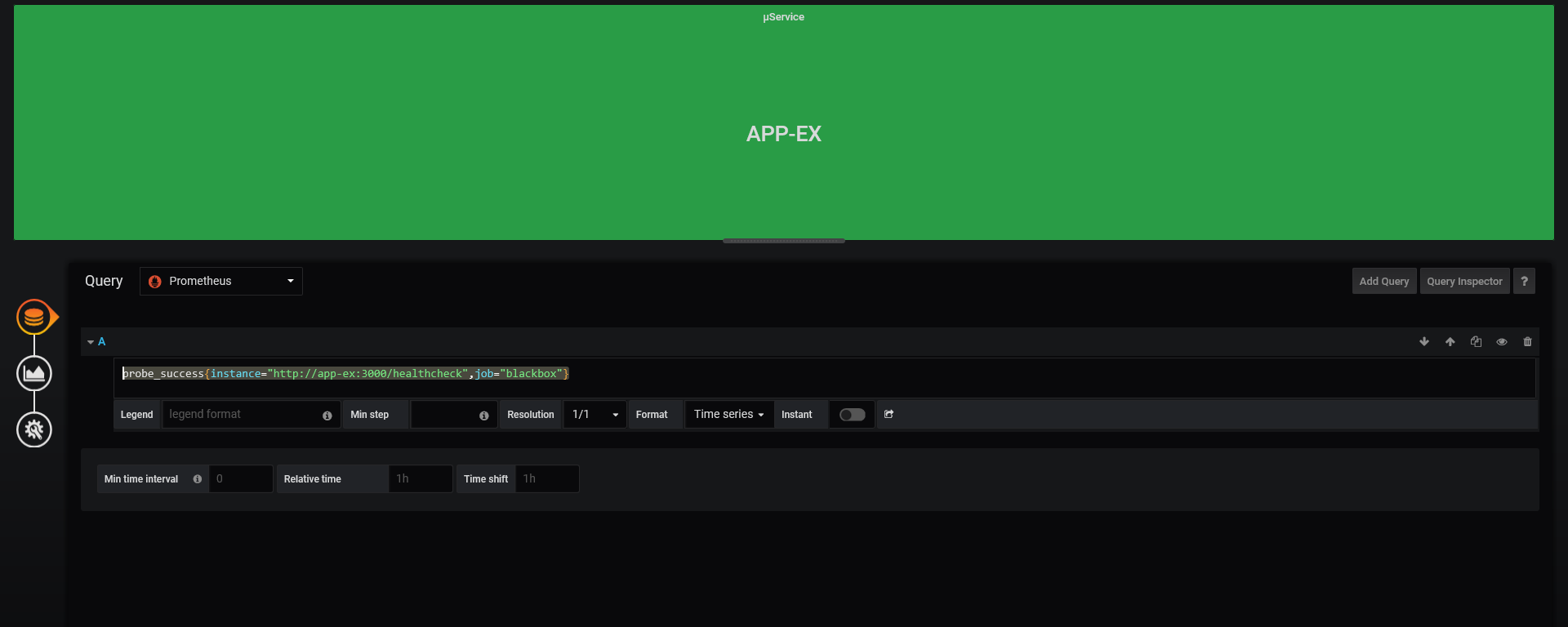
SELECT ((24 \* 60 \* 60) - sum("value")) \* 100 / (24 \* 60 \* 60) FROM "mtbf" WHERE ("app\_name" = 'app-ex') AND $timeFilter

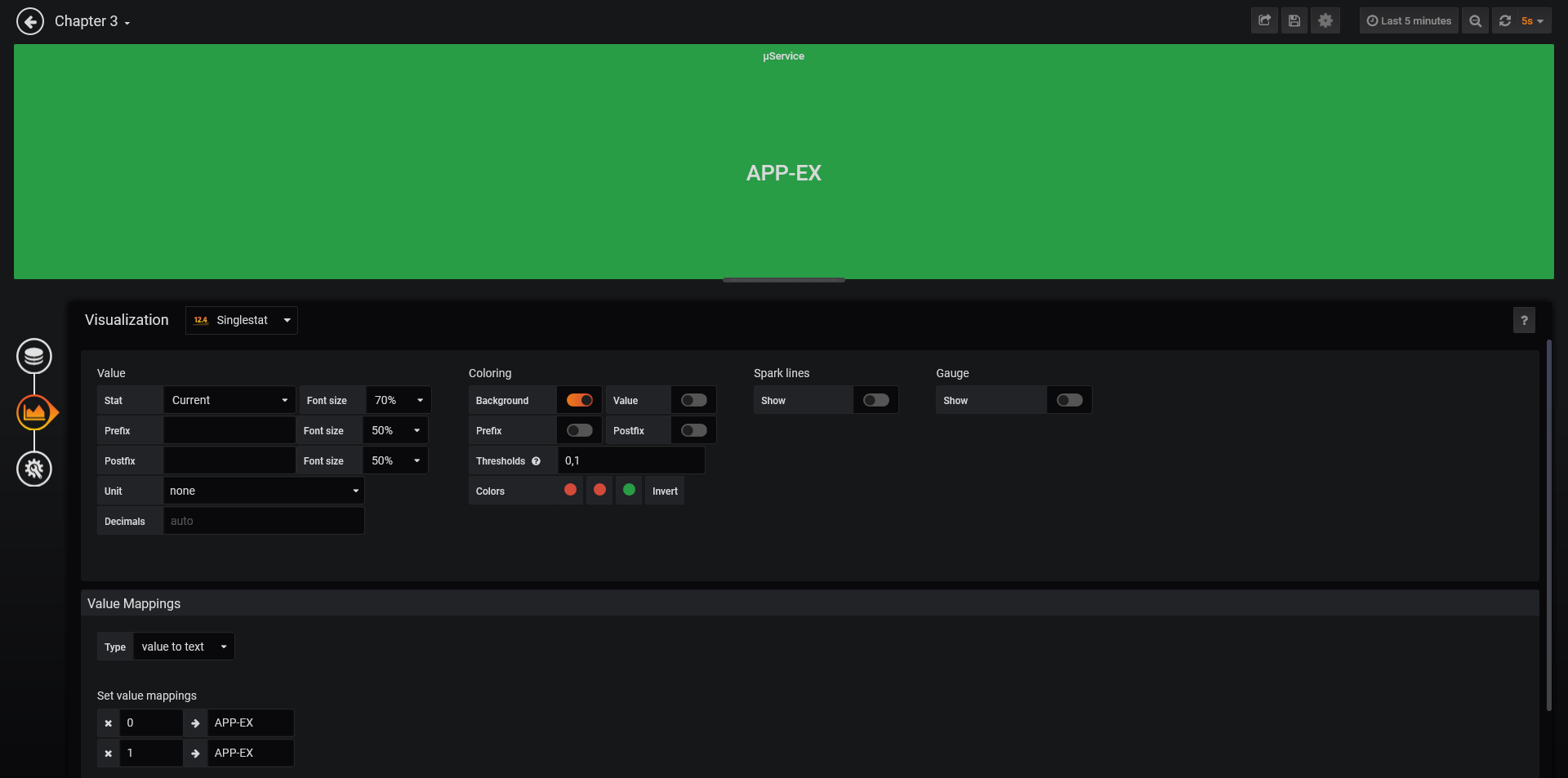




**Application Status:**

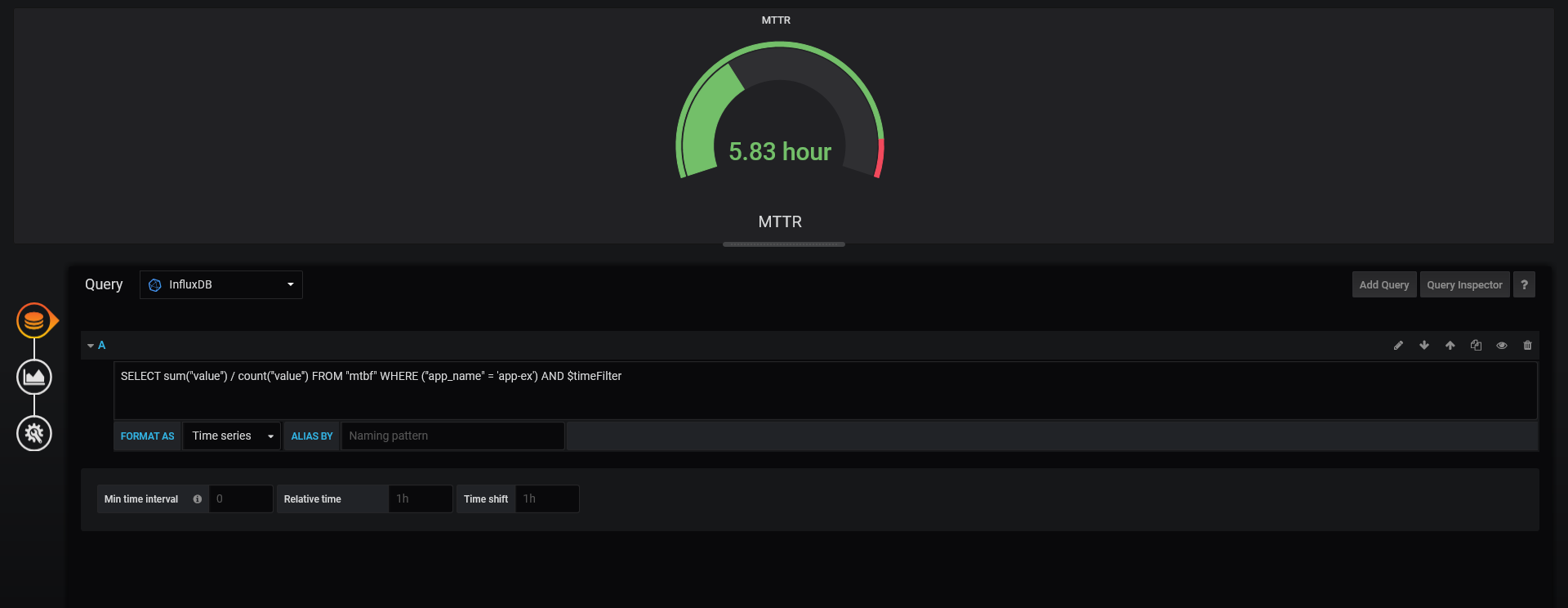
probe\_success{instance="http://app-ex:3000/healthcheck",job="blackbox"}

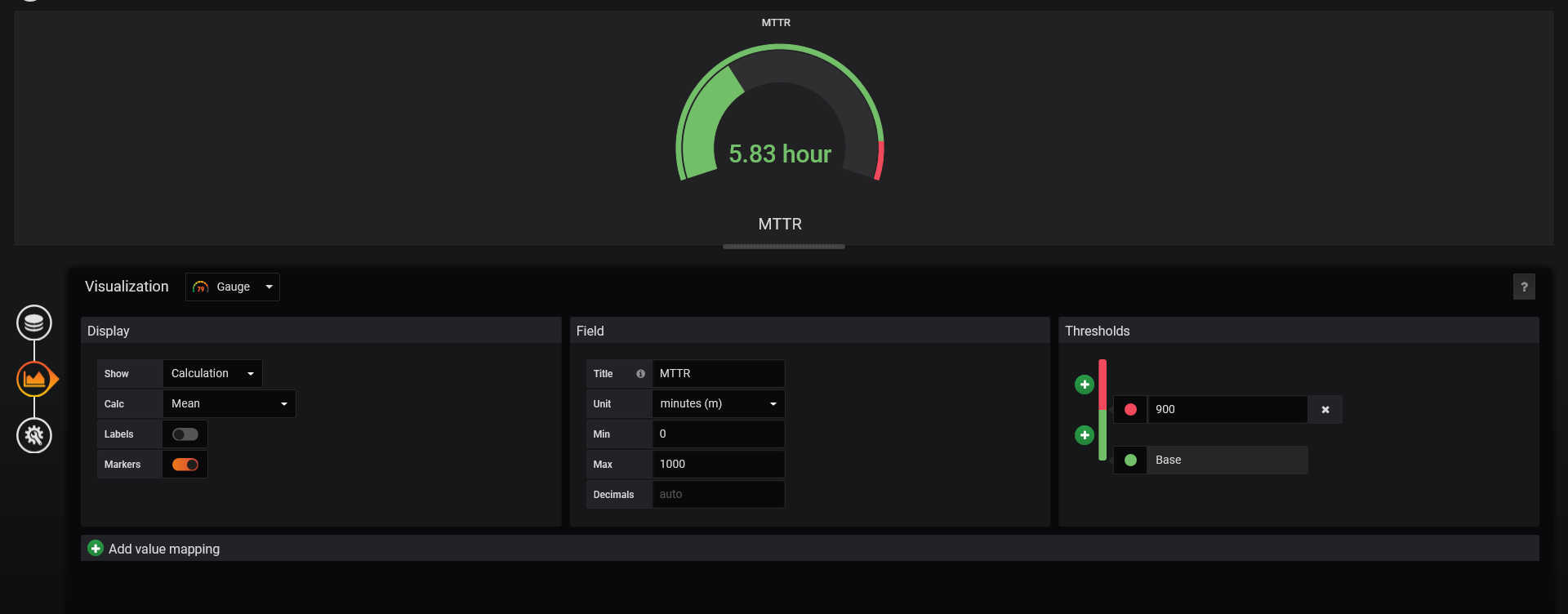




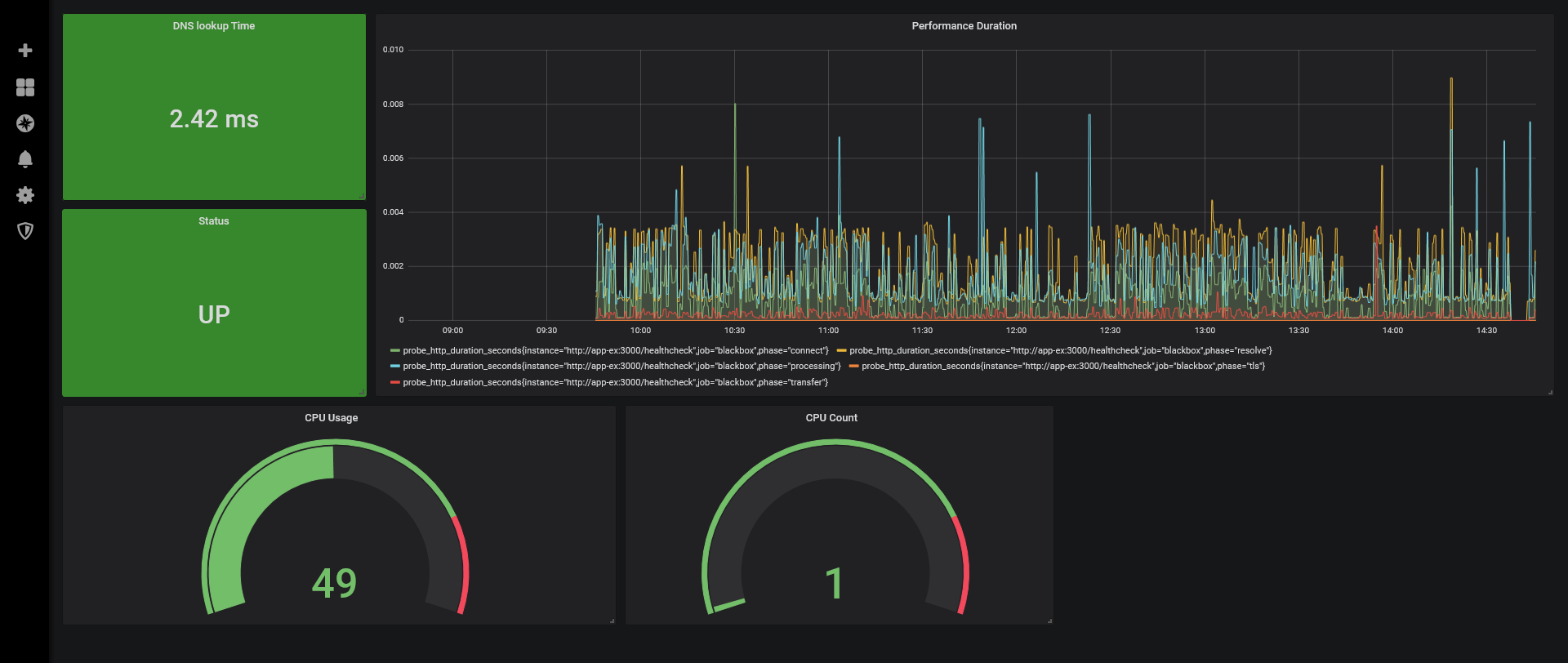
**Mean Time To Recover:**

SELECT sum("value") / count("value") FROM "mtbf" WHERE ("app\_name" = 'app-ex') AND $timeFilter



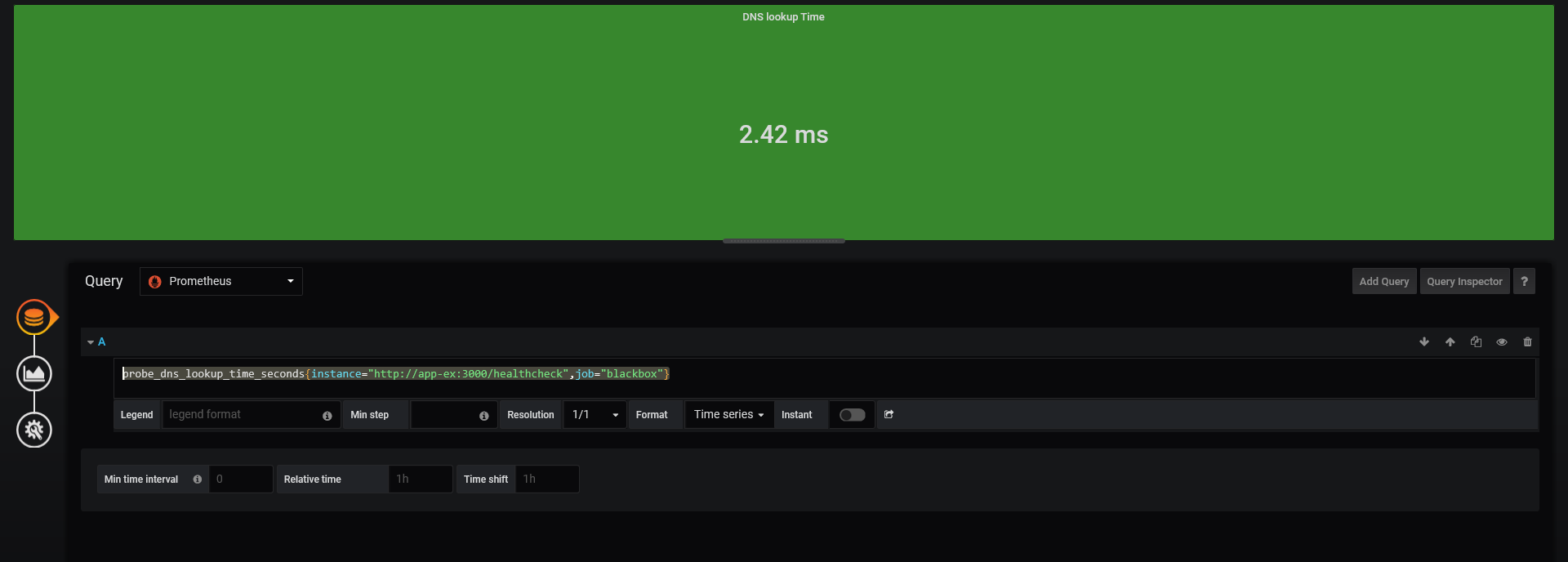


**Application Performance:**



**DNS LookUP Time:**

probe\_dns\_lookup\_time\_seconds{instance="http://app-ex:3000/healthcheck",job="blackbox"}



**Performance durartion:**

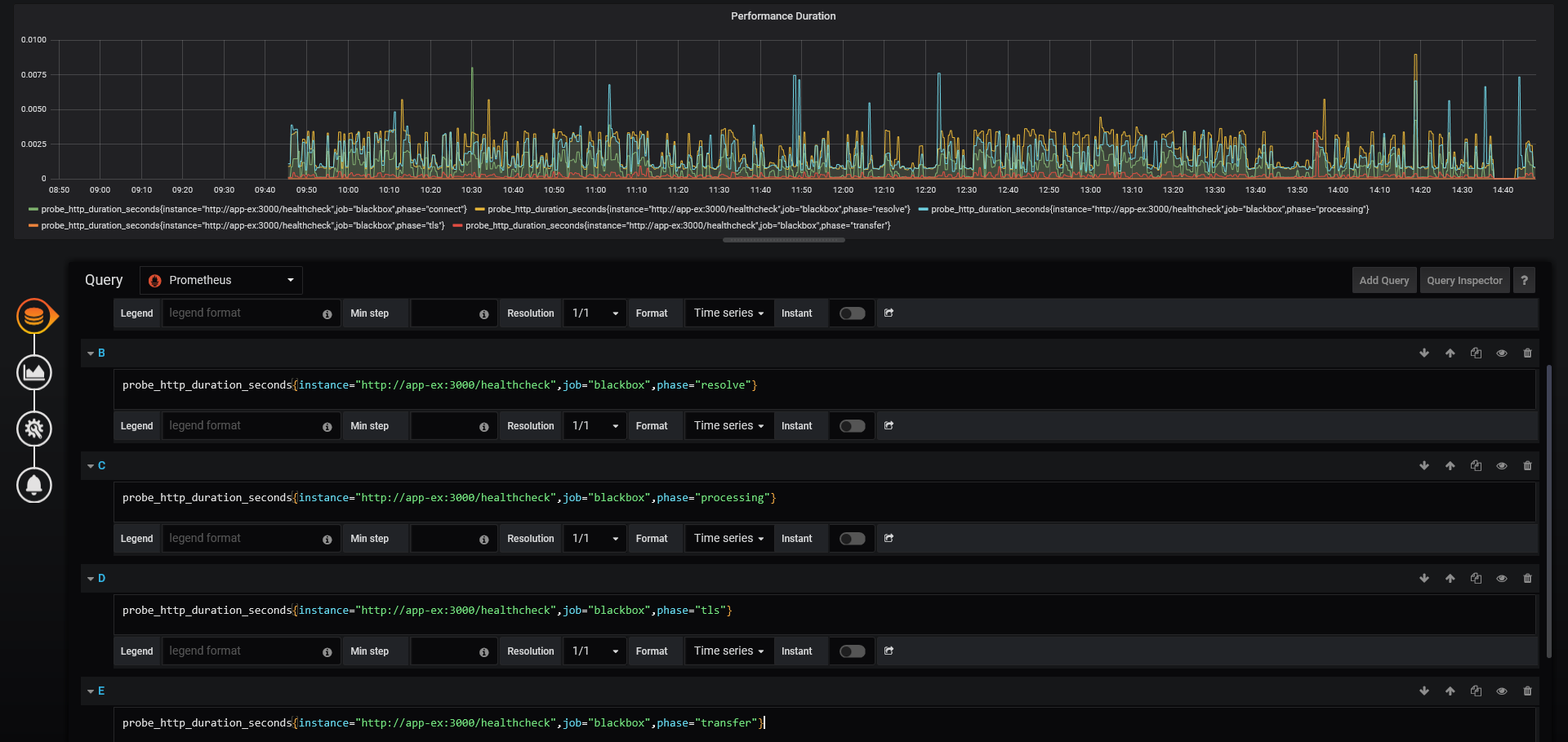
probe\_http\_duration\_seconds{instance="http://app-ex:3000/healthcheck",job="blackbox",phase="connect"}

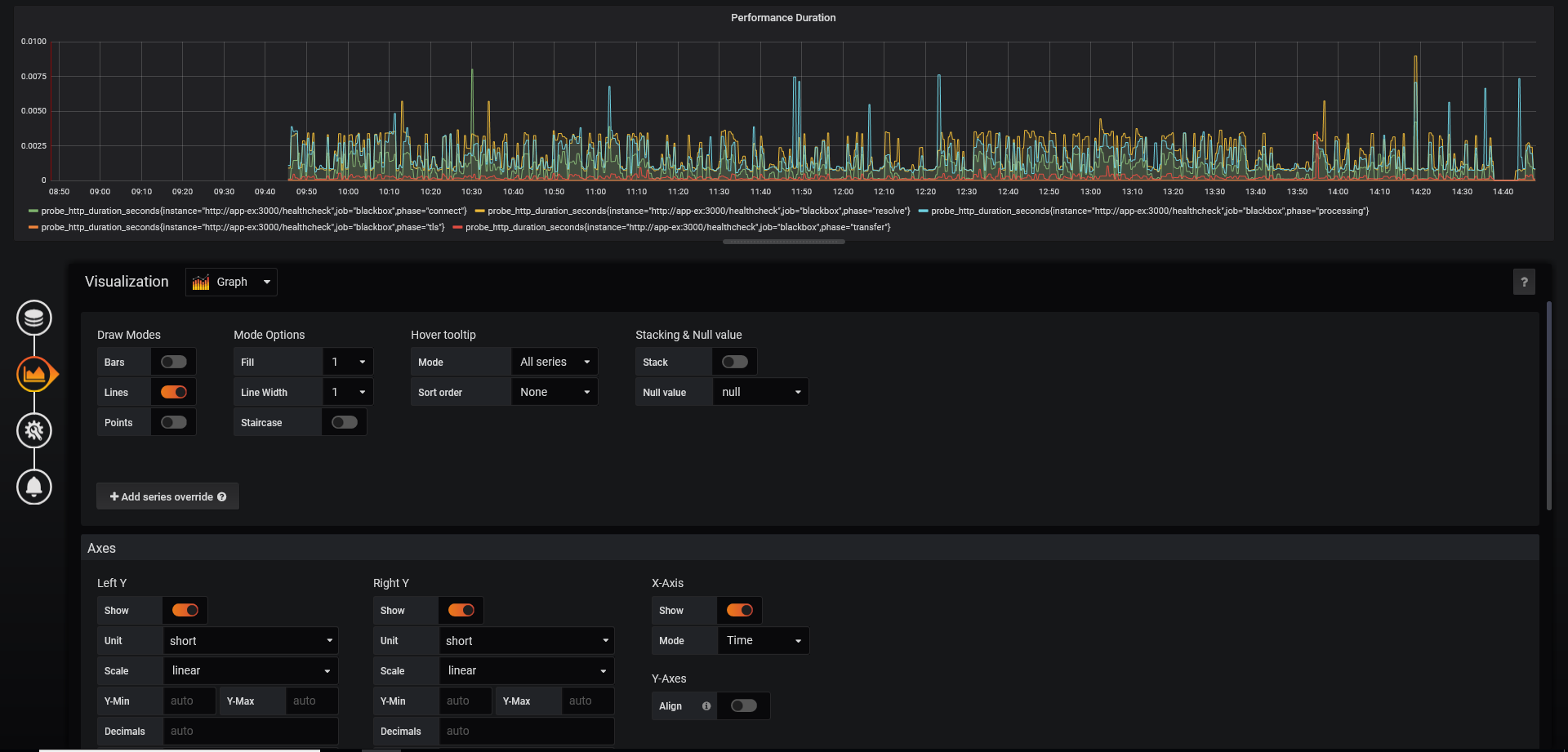
probe\_http\_duration\_seconds{instance="http://app-ex:3000/healthcheck",job="blackbox",phase="processing"}

probe\_http\_duration\_seconds{instance="http://app-ex:3000/healthcheck",job="blackbox",phase="resolve"}

probe\_http\_duration\_seconds{instance="http://app-ex:3000/healthcheck",job="blackbox",phase="tls"}

probe\_http\_duration\_seconds{instance="http://app-ex:3000/healthcheck",job="blackbox",phase="transfer"}





**CPU Process Seconds in Total**

process\_cpu\_seconds\_total{instance="localhost:9090",job="prometheus"}



**Number of CPUs**

count(process\_cpu\_seconds\_total)

