⫿⫿⫿Seq Query Syntax

Grammar

```
select [<expr> [as <label>],]
[from stream
  [where <expr>]
  [group by [time(<duration>)|<expr>,]]
  [having <expr>]
  [order by [time|<label>] [asc|desc]]
  [limit <number>]
  [for refresh]]
```

Grouping columns are always included in the result set.

Time Slicing

Count by time slice

```
select count(*)
from stream
group by time(15m)
```

Count by time slice, grouped by property

```
select count(*)
from stream
group by MachineName, time(8h)
```

Time groupings accept durations in:
d – days, h – hours, m – minutes, s – seconds,
ms – milliseconds, us – microseconds.

Aggregate Functions

count() – number of events or non-null values

```
select count(*), count(SessionId)
```

distinct() – unique values of an expression

```
select distinct(StatusCode),
       count(distinct(RequestPath))
```

first(), **last()** – first or last non-null value

```
select first(Elapsed), last(Elapsed)
```

min(), **max()** – smallest or largest value

```
select min(Elapsed), max(Elapsed)
```

mean() – the average of non-null values

```
select mean(CartSize)
```

names() – distinct available property names

```
select names()
```

percentile() – the value at or below which a certain percentage of values lie

```
select percentile(ResponseTime, 99)
```

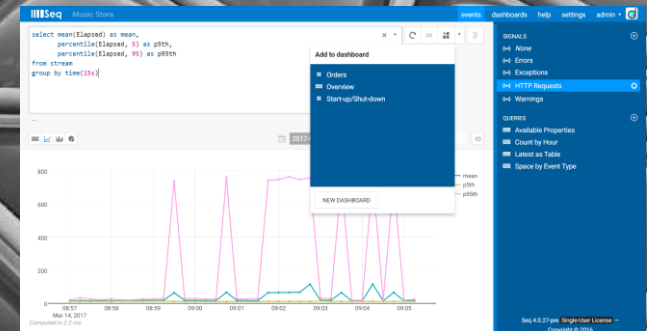**sum()** – sum of an expression

```
select sum(SaleTotal)
```

top(), **bottom()** – first or last n values

```
select top(Elapsed, 5), bottom(Item, 2)
```

Clauses

limit – retrieve only the first **n** rows of a result

```
select *
from stream
where Environment = 'Production'
limit 100
```


Switch to chart views with the selector on the left below the query box.

Add a chart to a dashboard using the button to the right of the query box.

Save a query by clicking + next to the QUERIES heading in the right-hand panel.

Learn more at https://docs.getseq.net/