

QuasarDB

Simpler historical updates management

Introducing Point In Time updates

What is an historical update?



Hello, our expected dividend is 13.2 per stock.



Ok recorded in the database.

Hello, we revised it to be 14.0 per stock.



Database updated...
But...

How do I properly account this update?



Update the value



Then you can no longer see the state "as it was"

Loss of information



Don't update the value



Your computations will be incorrect

Loss of information



Add a parallel value



Makes writing queries very complicated!



Performance constraints

Handling the original update



Let's assume
we have these
values on October
21st, 2019

```
INSERT INTO dividends VALUES  
( 'A', 13.2), ( 'B', 2.4),  
( 'C', 34.1), ( 'D', 0.5)
```

 Company	 Dividend
A	13.2
B	2.4
C	34.1
D	0.5

Point In Time (PIT) update



On October 22nd
we learn that
Company A dividend
is in fact 14.0.

```
INSERT INTO dividends  
  PIT('2019-10-22')  
VALUES ('A', 14.0)
```

	Company		Dividend
A		14.0	
B		2.4	
C		34.1	
D		0.5	





Viewing the updated values



When you select the
data, you have the
latest version

```
SELECT * FROM dividends
```



 Company	 Dividend
A	14.0
B	2.4
C	34.1
D	0.5

Viewing the original values



If you want the version before the update, you specify a PIT before the update

```
SELECT * FROM dividends  
PIT('2019-10-21')
```

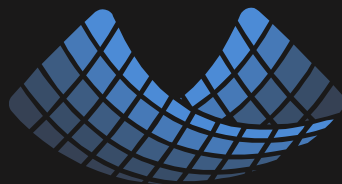
 Company	 Dividend
A	13.2
B	2.4
C	34.1
D	0.5



QuasarDB

ENROLL IN THE BETA PROGRAM!

[HTTPS://INFO.QUASARDB.NET/BETA](https://info.quasardb.net/beta)



QuasarDB

THANK YOU

www.quasardb.net



USA

222 BROADWAY – 19TH FLOOR
NEW YORK
NY 10038



UK

40 BANK STREET
CANARY WHARF
LONDON E14 5NR



FRANCE

24, RUE FEYDEAU
75002 PARIS