

Todor Todorov | @totollygeek CQRS for human beings

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Technology Centre

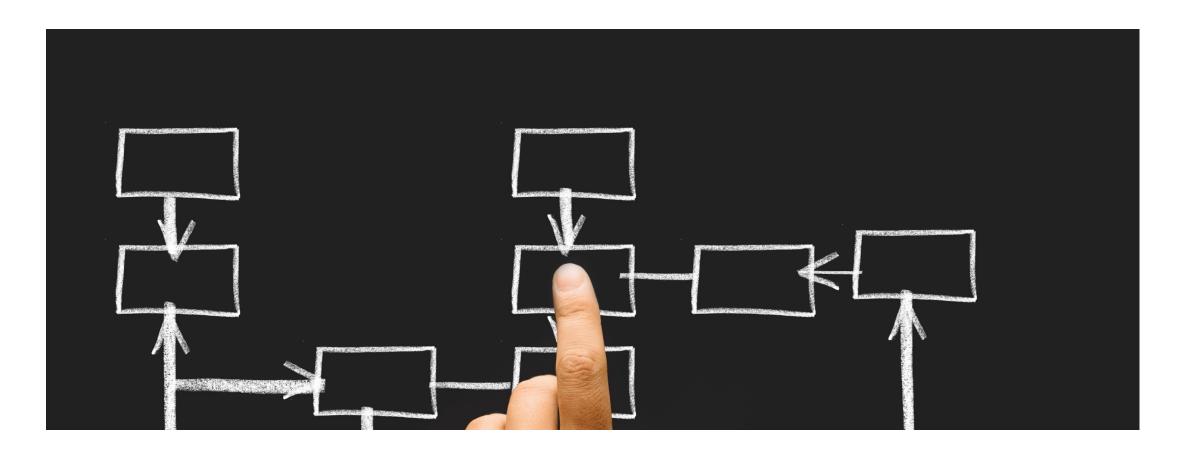






A story of a workflow...

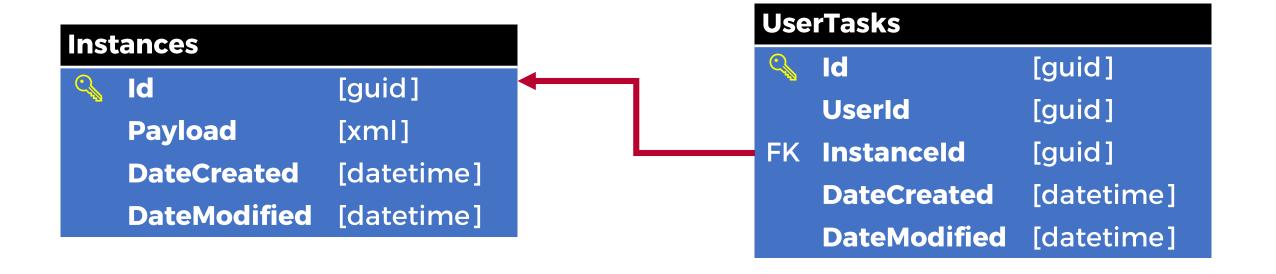


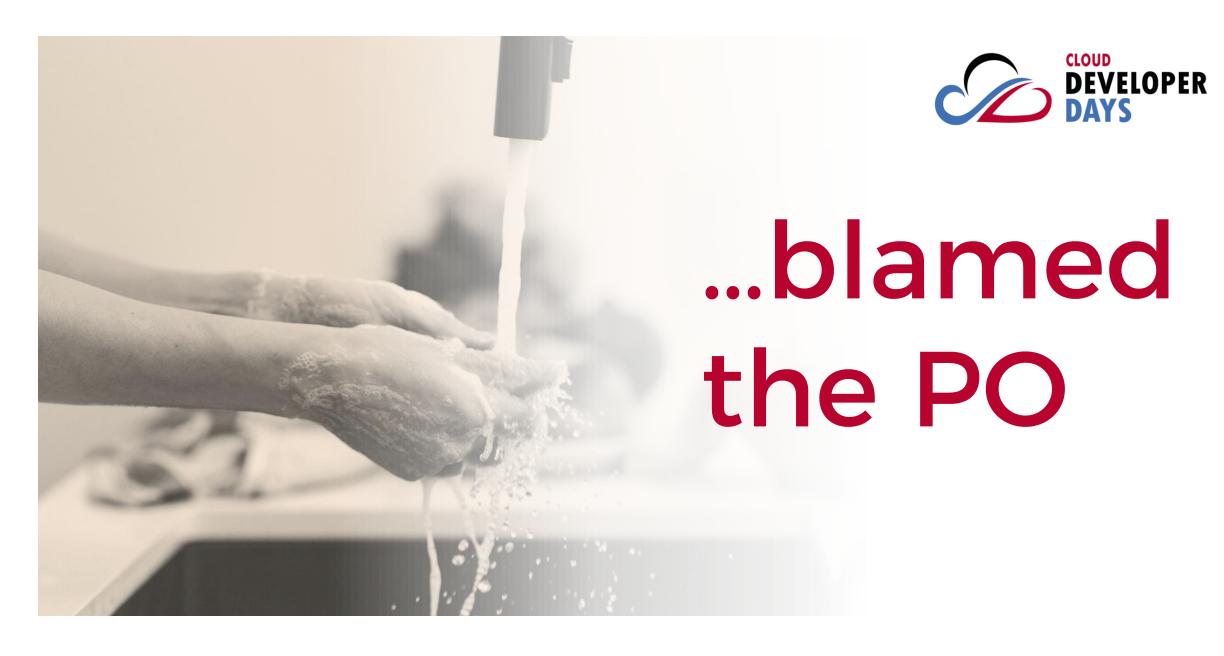


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A trivial approach

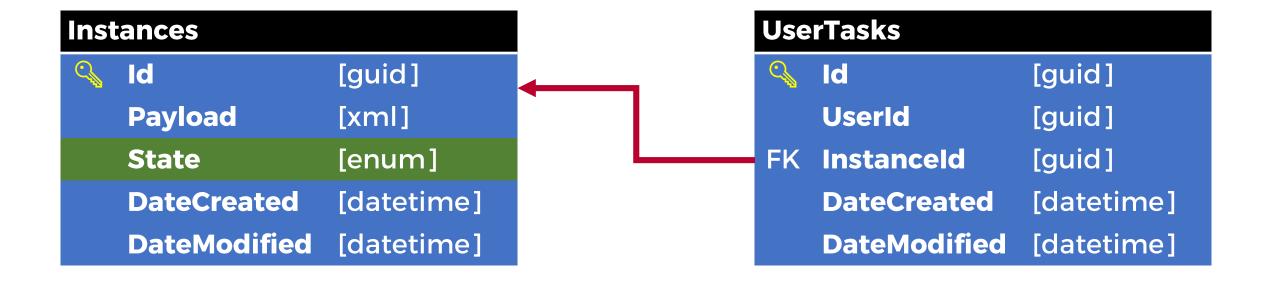






We "fixed" it!





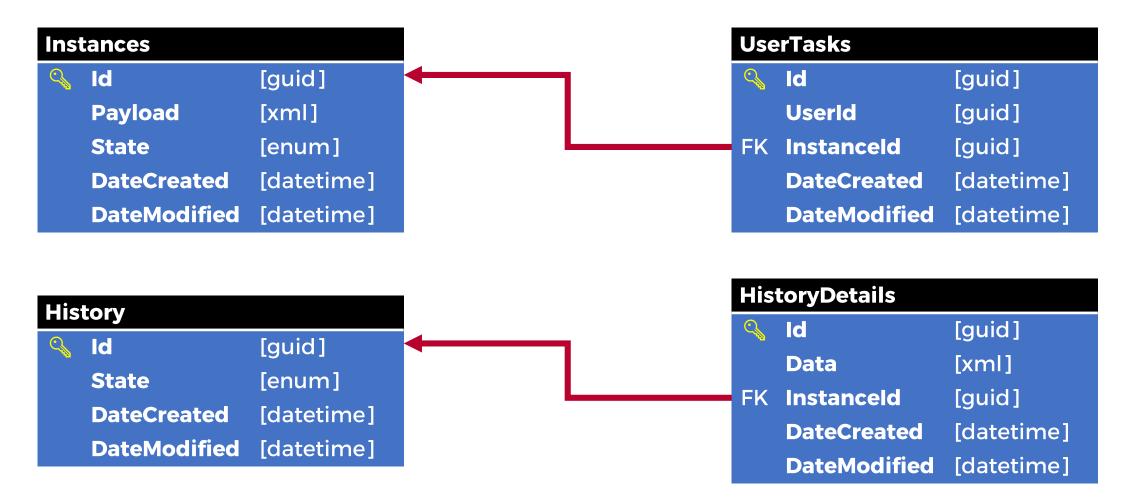
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We "fixed" it again!







We had many different problems...



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CQRS to the rescue!!!



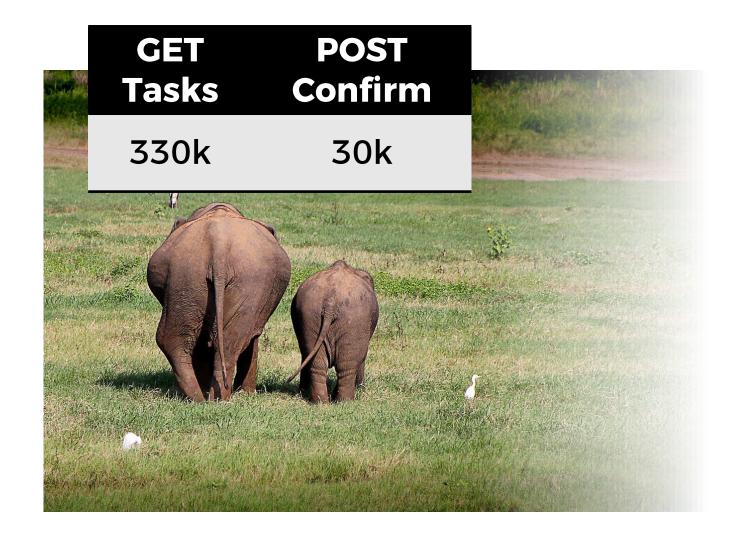
Command Query Responsibility Segregation





Separated Read & Write Side



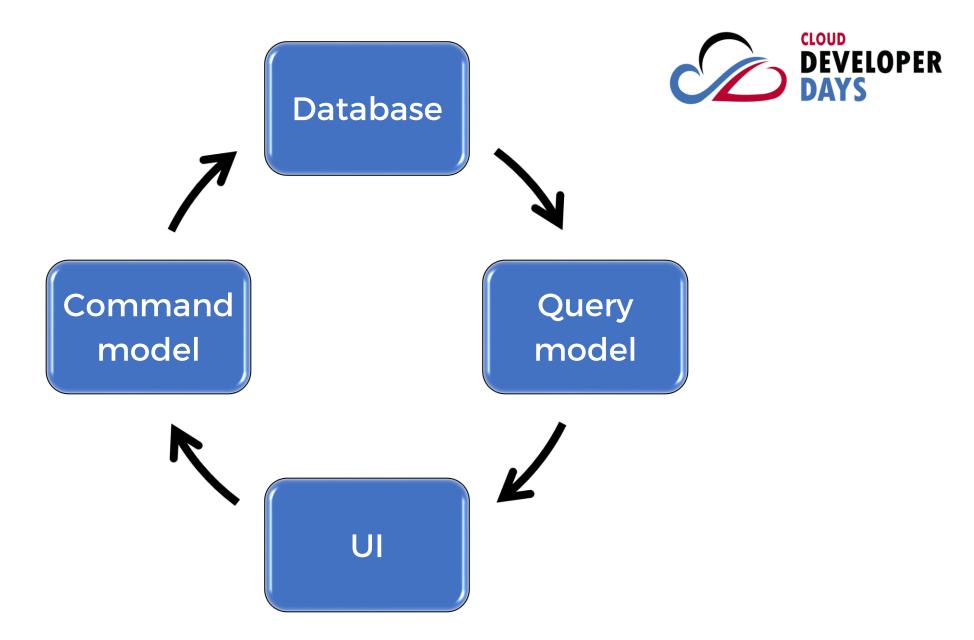




We read way more than we write







Good stuff





Bad stuff



- Eventual consistency
- Growing complexity
- More models to handle



Event Sourcing

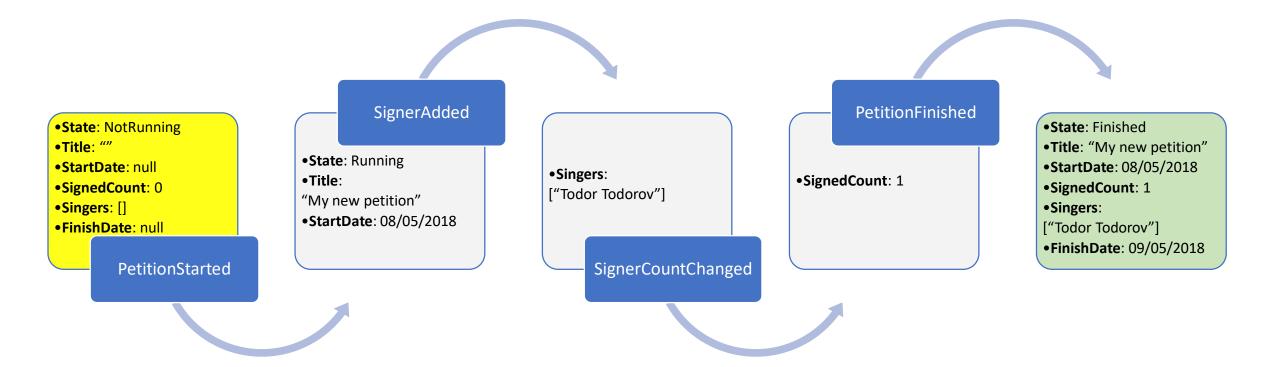




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PetitionAggregate





What about data size? DEVELOPER DAYS









- Databases are fast
- EventStore
- Snapshotting
- Google Protobuf







So what did we achieve with this so far?



GetTasks request in seconds





6,79







- Independent scaling
- Better codebase
- Data for UI is there
- Fancy design patterns in our resumes

...no it's not...

Must read:



- "CQRS" by Martin Fowler
- "CQRS, Task Based Uls, Event Sourcing agh!"
 by Greg Young
- CQRS in MSDN
- "CQRS Journey" book by MSDN
- Event Sourcing in MSDN
- Event Sourcing: The Good, The Bad & The Ugly by Dennis Doomen



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