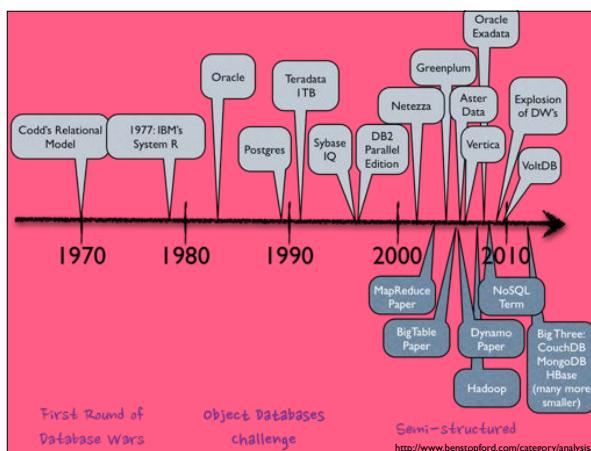
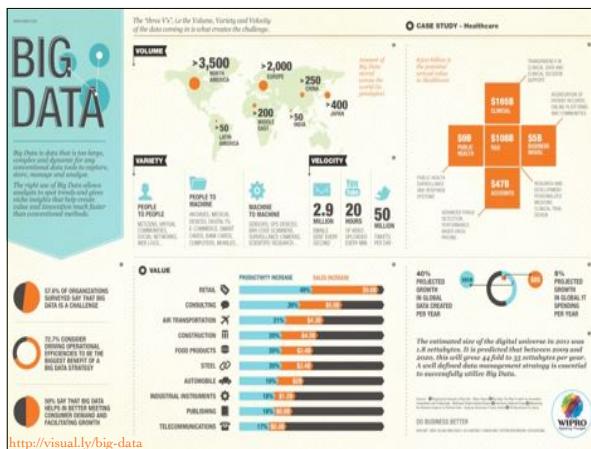
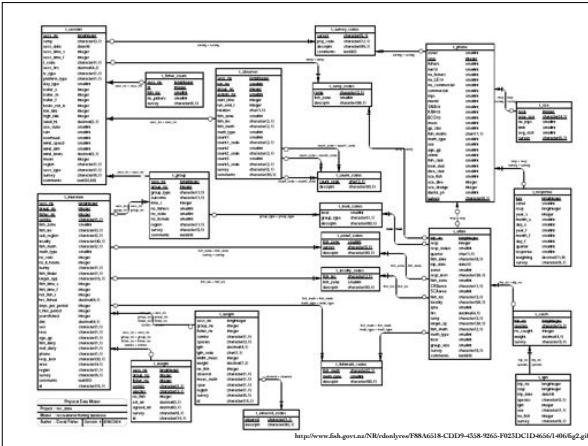


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2013年4月5日

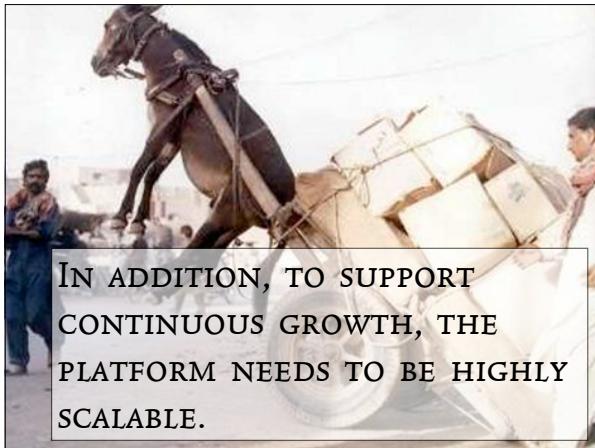




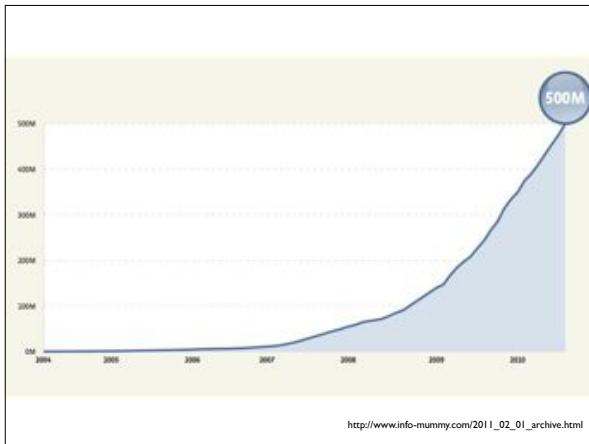
Relational databases as integration platform
 Interoperability concerns as db's are made open via http -> richer data (json / xml)
 doesn't scale, neither up nor out -> shared disk subsystem; what you need is commodity hardware



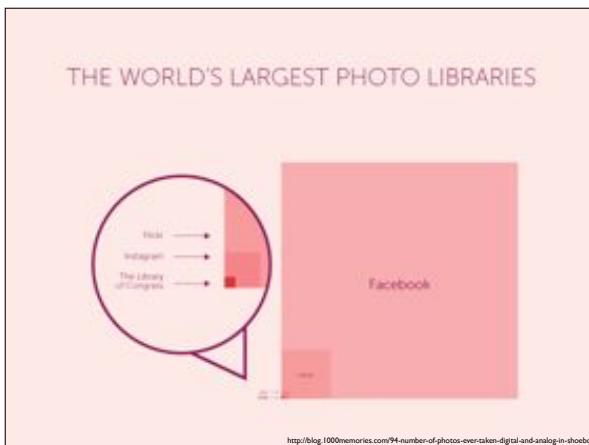
Dynamo white paper (DeCandia et al, 2007), google Big Table
 Johan Oskarsson 2009
 ING voorbeeld

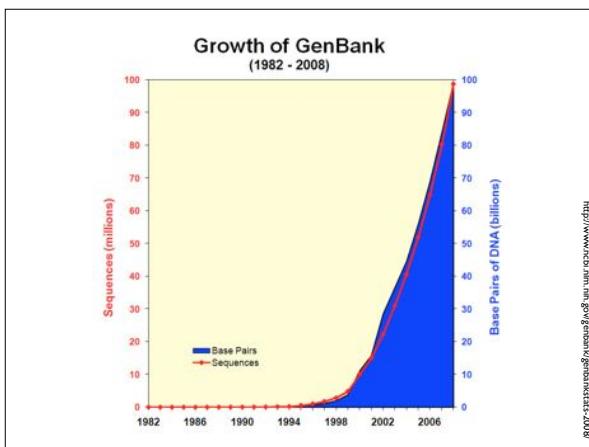
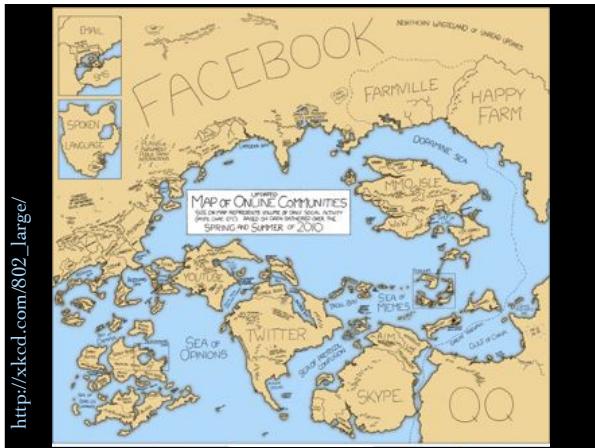


IN ADDITION, TO SUPPORT
CONTINUOUS GROWTH, THE
PLATFORM NEEDS TO BE HIGHLY
SCALABLE.



Gemiddeld logt een facebooker veertien keer per dag in

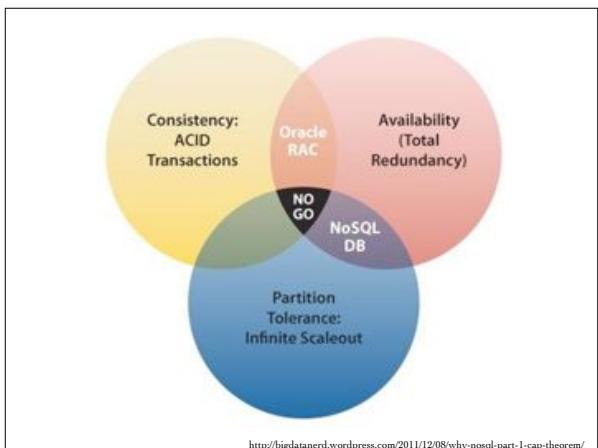




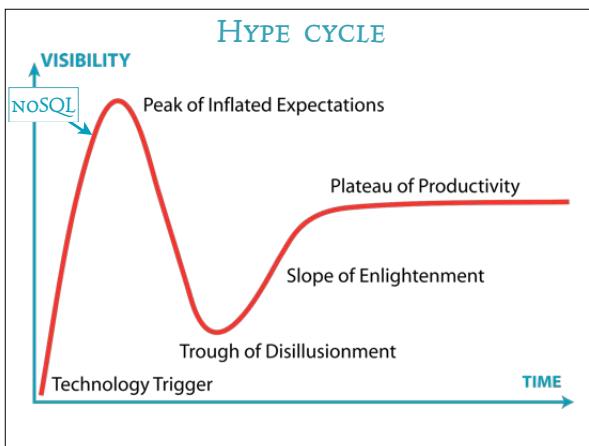
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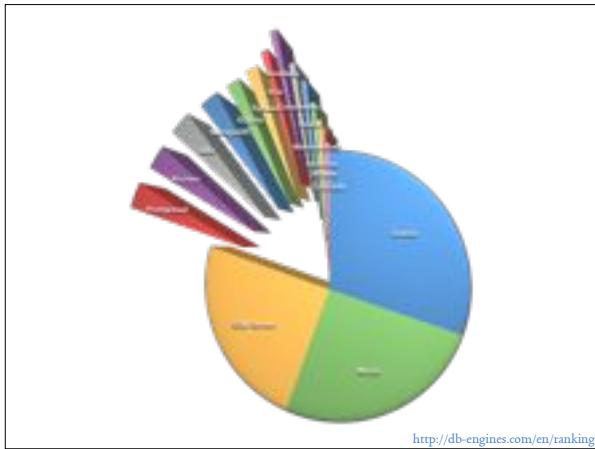


Analytics
Lofar
Statistics / datamining
#SR

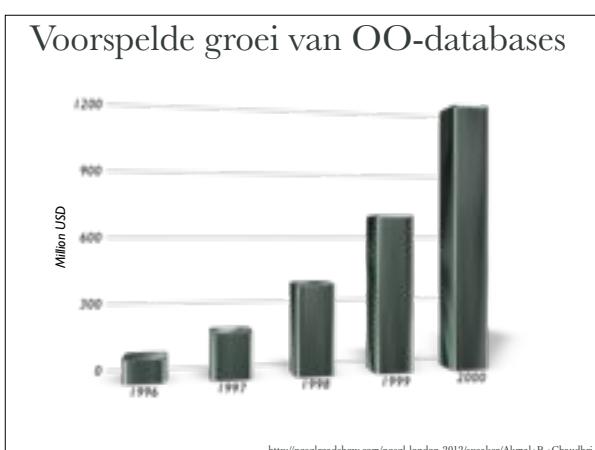
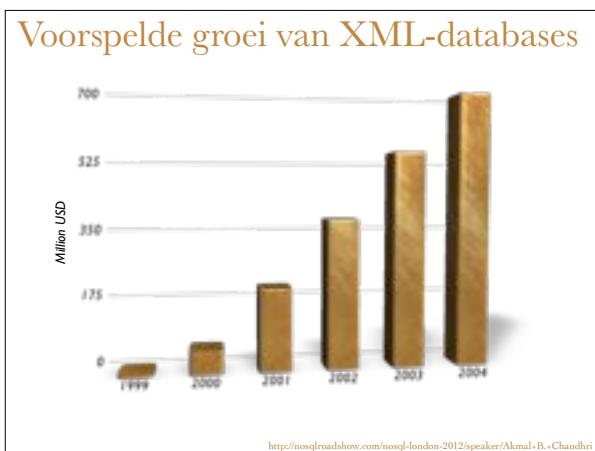


base / acid
MIND SHIFT

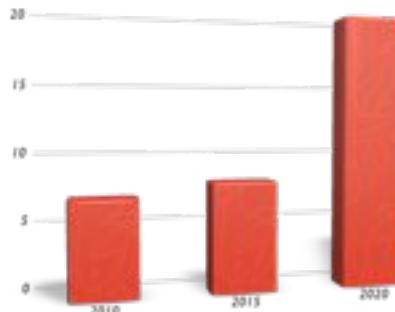




Google en Bing, google trends, stackoverflow, linkedin, indeed.com



Voorspelde groei van noSQL-databases



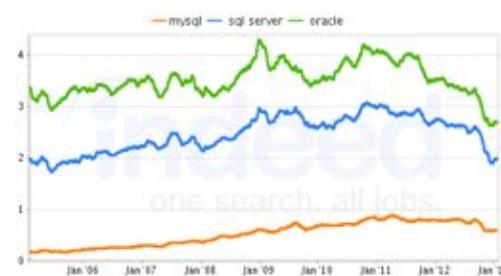
<http://nosqlreadshow.com/nosql-london-2012/speaker/Akmal+B.+Chaudhri>

Job trends from indeed.com

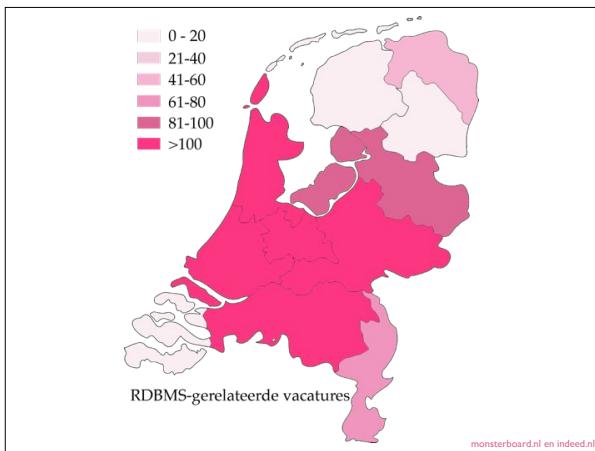
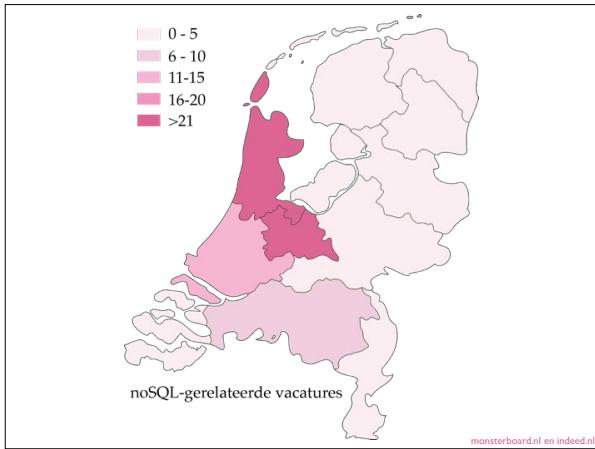


<http://www.indeed.com/jobtrends?q=cassandra%2C+redis%2C+couchDB%2C+mongoDb%2C+hbase%2C+Riak&l=>

Job trends from indeed.com



<http://www.indeed.com/jobtrends?q=mysql%2C+sql+server%2C+oracle&l=>

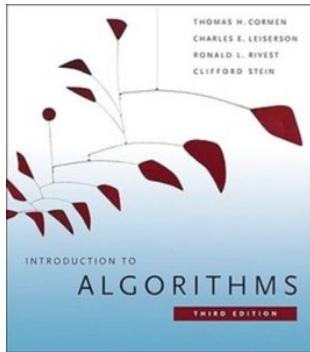


3,5%

COBOL is meer.



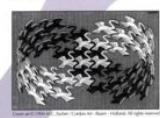
Algoritmen en datastructuren



Design Patterns

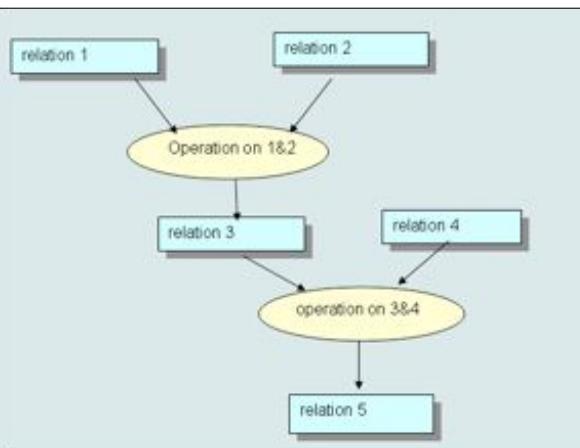
Elements of Reusable
Object-Oriented Software

Erich Gamma
Richard Helm
Ralph Johnson
John Vlissides



Foreword by Grady Booch

SERIES EDITOR ROBERT C. MARTIN

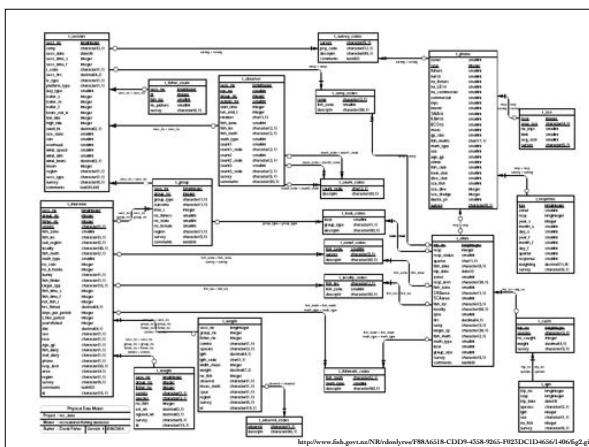
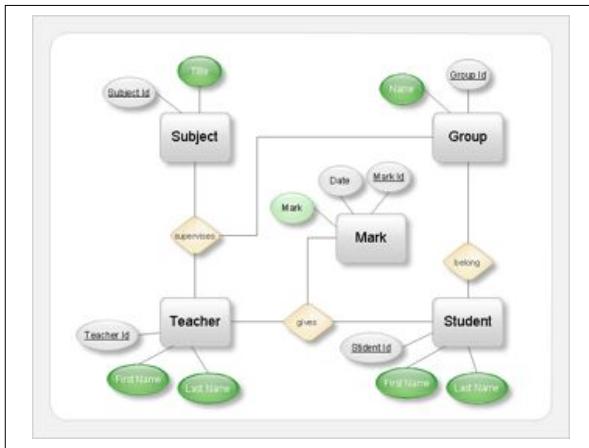


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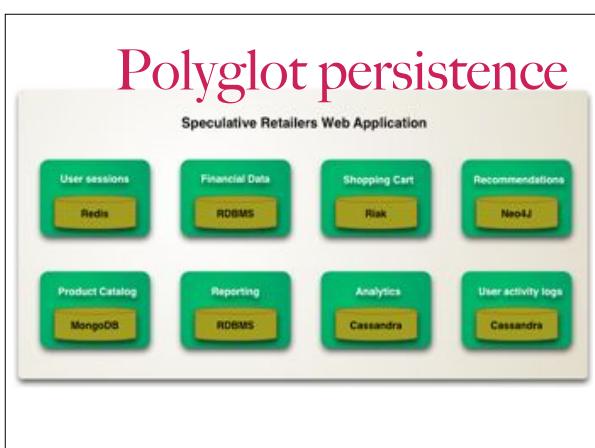
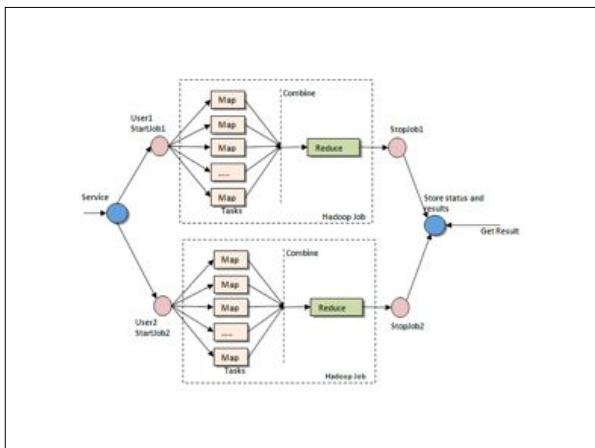
SQLQueryLog - PL - xpms17Peter (SA) [ ] SQLQueryLog - PL - xpms17Peter (SA) [ ] SQLQueryLog - not connected [ ] SQLQueryLog - not connected [ ]
--Create trigger for after Insert and update
CREATE TRIGGER HumanResources.HTTPRequest_OnInsertUpdate
ON HumanResources.Employee
AFTER INSERT, UPDATE
AS
BEGIN
SET NOCOUNT ON;
DECLARE @uri nvarchar(max);
SET @uri = (SELECT N'<insert server url here>?BusinessEntityID=' + CAST(BusinessEntityID AS varchar)
EXEC dbo.HTTPRequest N'GET', @uri;
END
GO

--Create trigger for after delete
CREATE TRIGGER HumanResources.HTTPRequest_OnDelete
ON HumanResources.Employee
AFTER DELETE
AS
BEGIN
SET NOCOUNT ON;
DECLARE @uri nvarchar(max);
SET @uri = (SELECT N'<insert server url here>?BusinessEntityID=' + CAST(BusinessEntityID AS varchar)
EXEC dbo.HTTPRequest N'GET', @uri;
END
GO

```



Keurig uitgenormaliseerd etc.



Ook voor docenten een omschakeling



b.barnard@pl.hanze.nl
