

The State of the Mainframe

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December 2013

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Hello

About me...



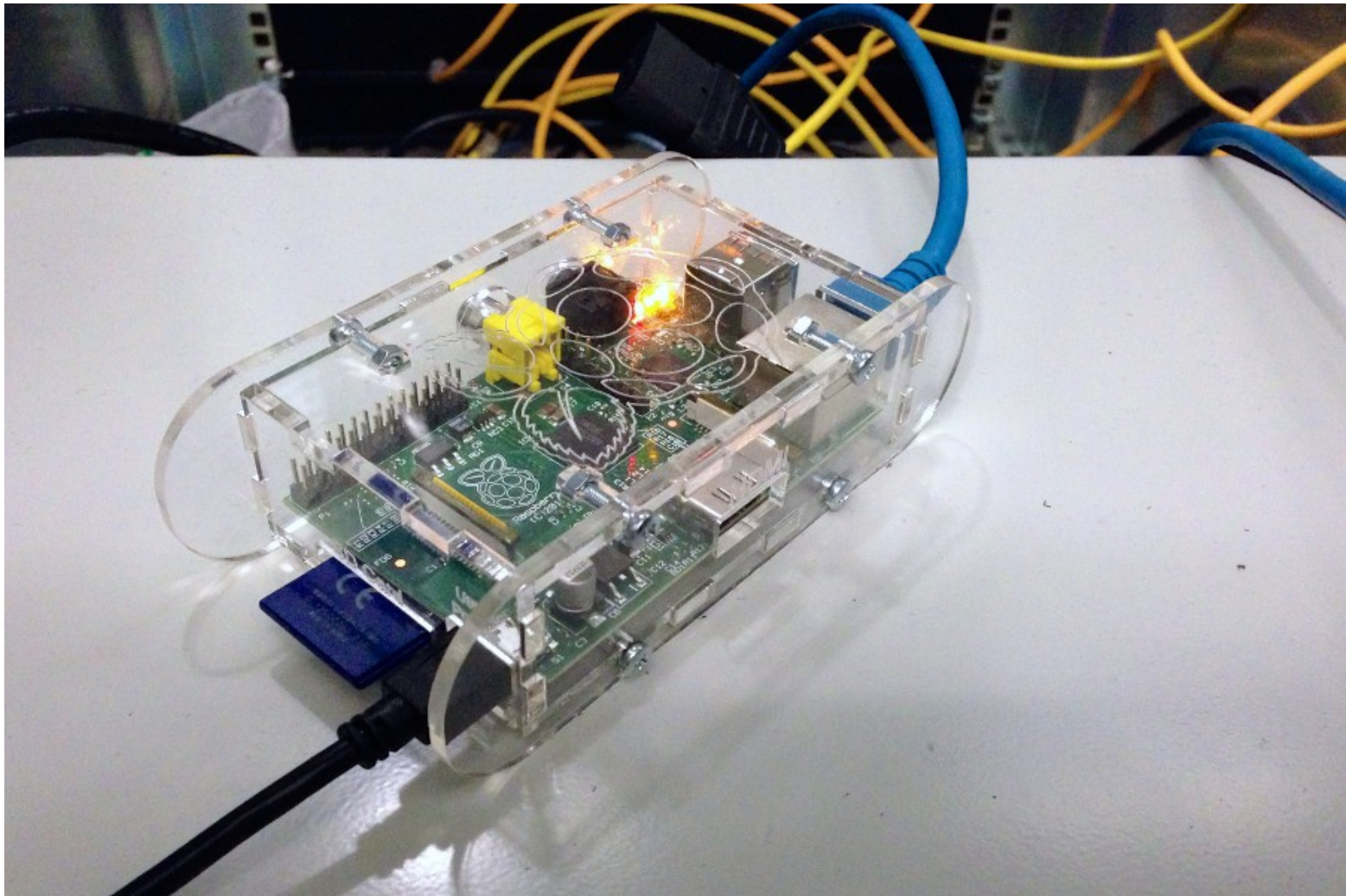
Mega trends

5 Megatrends



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5 Megatrends

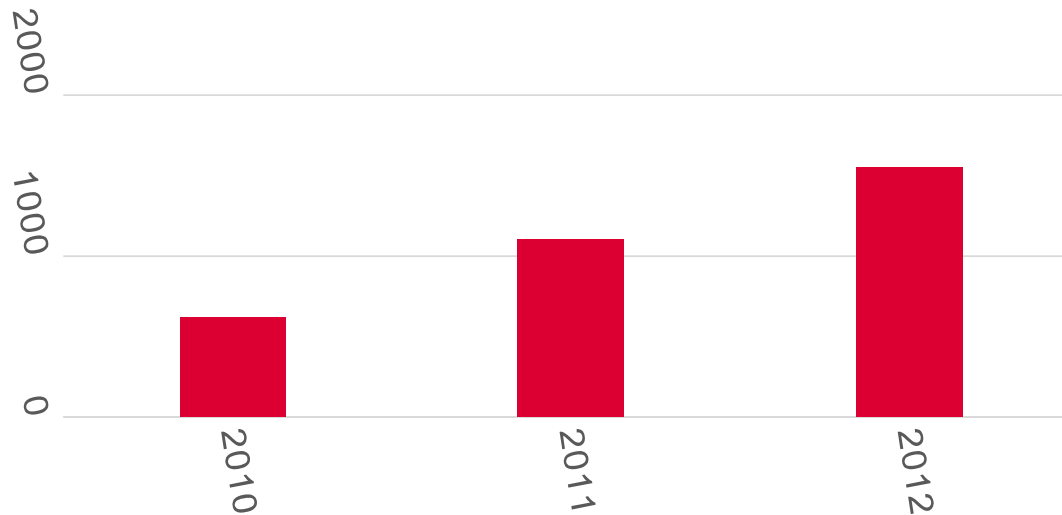


5 Megatrends



24/7 and 365 mean what they say....

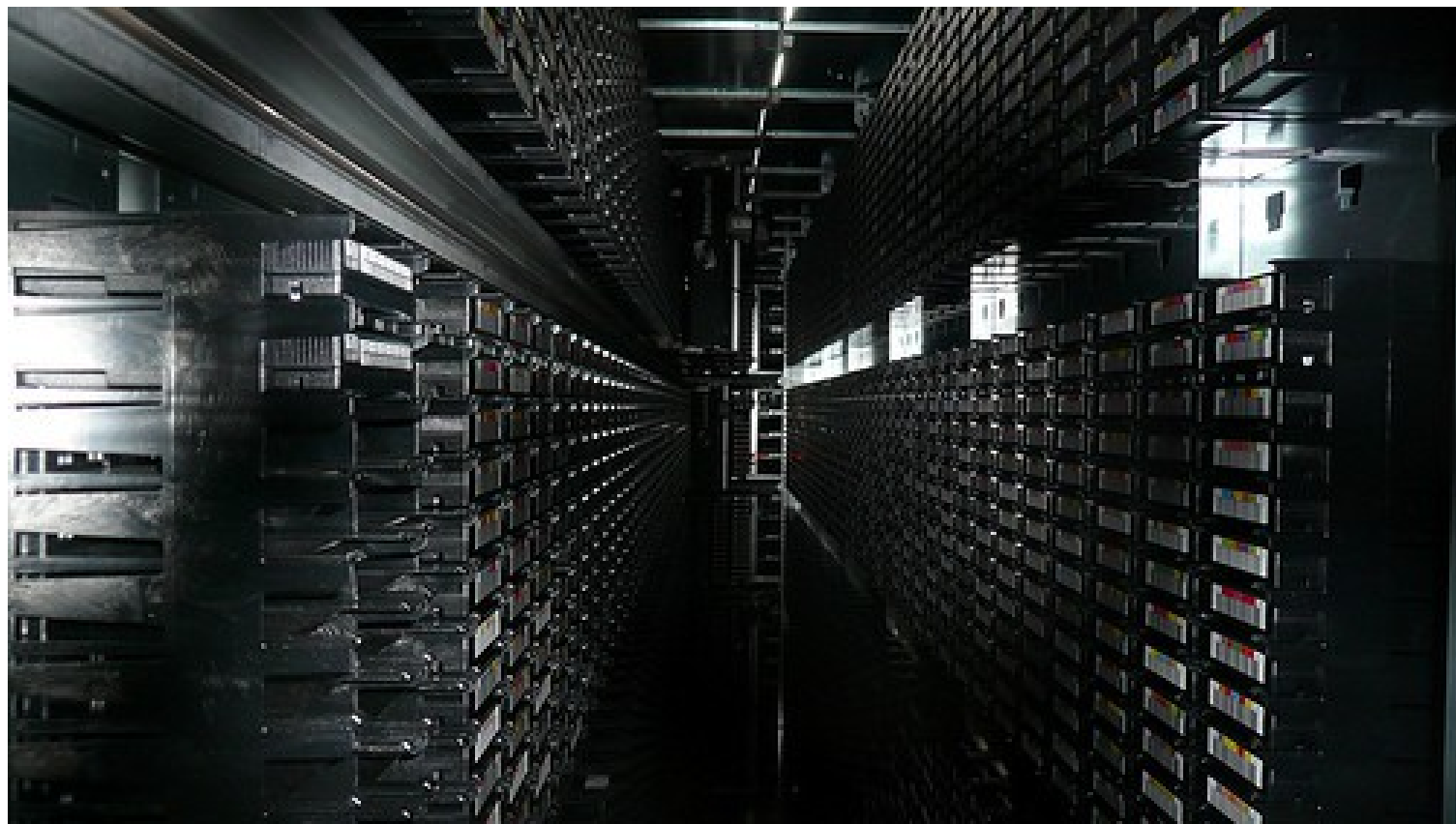
Number of people filing Tax Returns on the 25th December



As reported in the Daily Telegraph 27th Dec 2012

... and last year 73 of the returns were sent in the hour before midnight

5 Megatrends



Tape library, CERN, Geneva 2 by Cory Doctorow / [CC BY-SA](#)

5 Megatrends



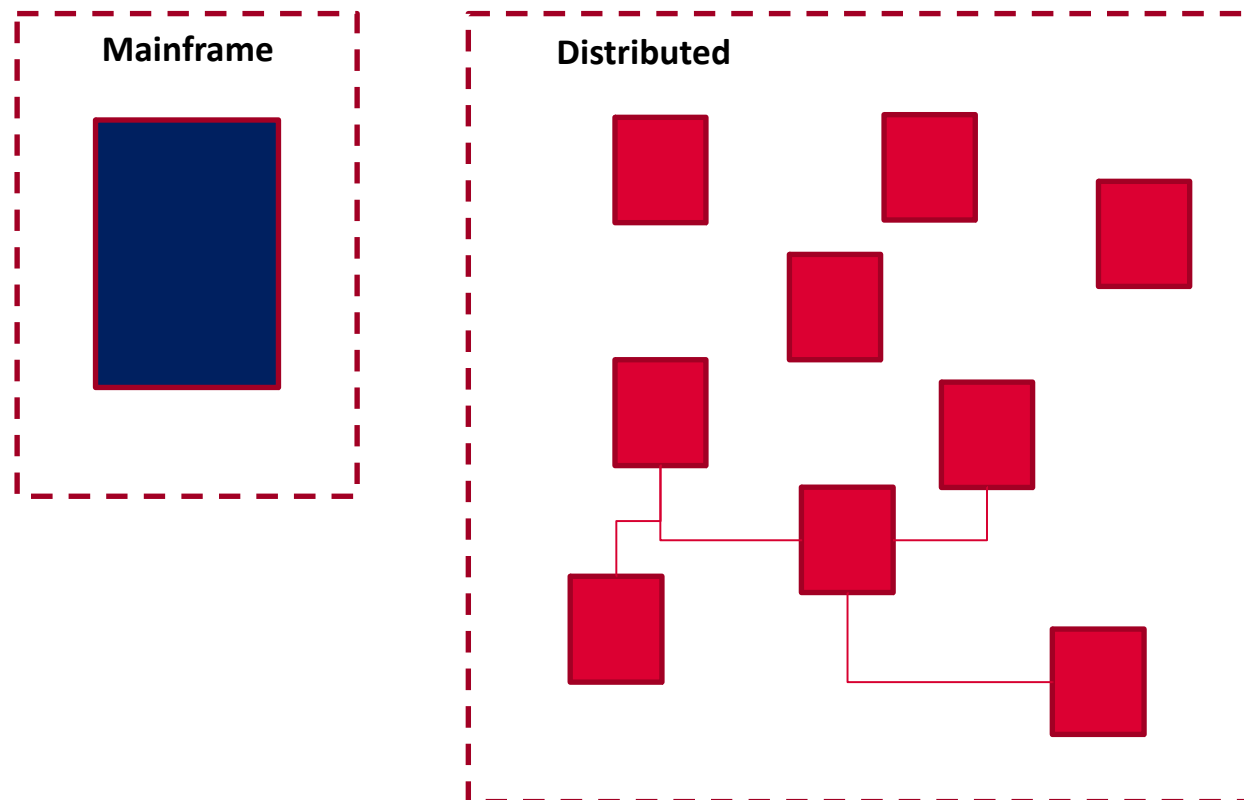
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And then there's.....

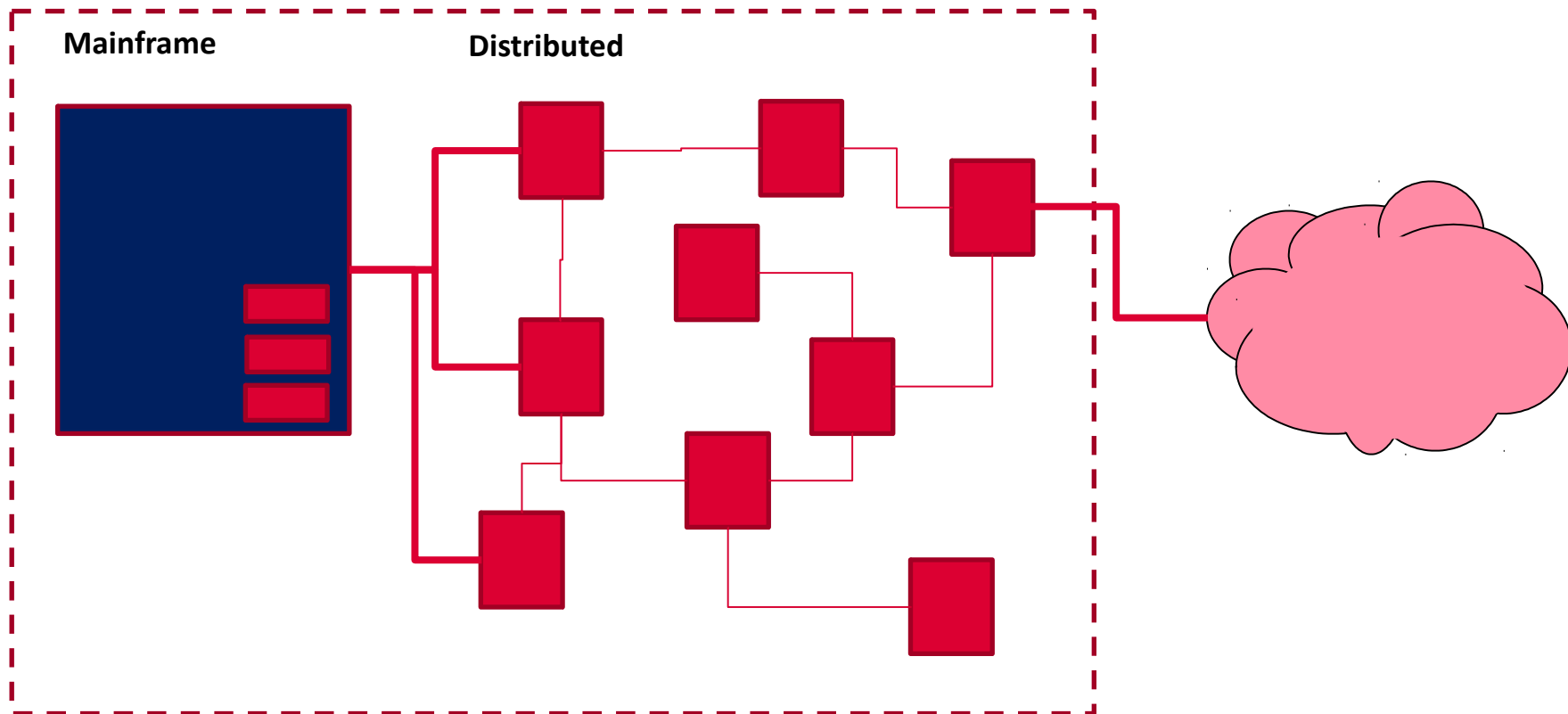
Security

The Mainframe : Past, present, and future

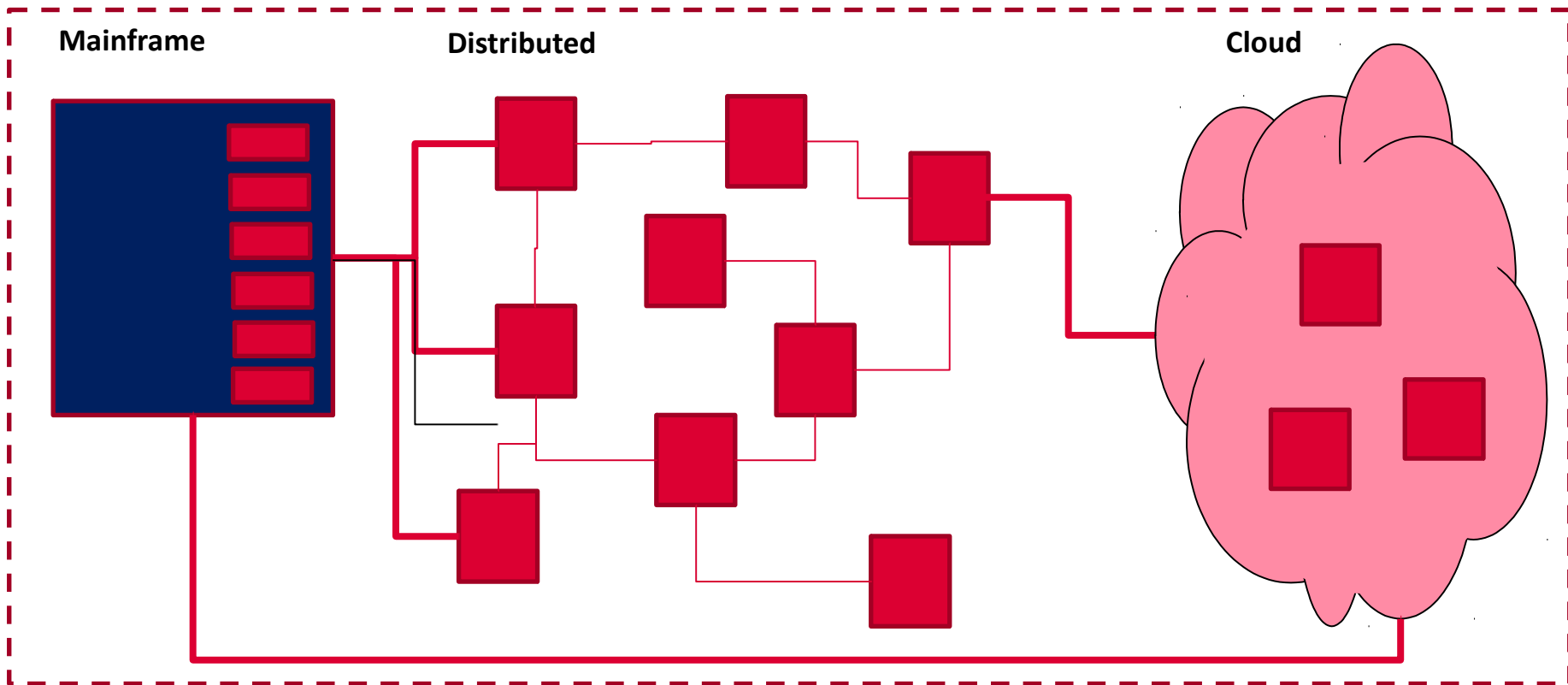
The 1980's



The 2000's



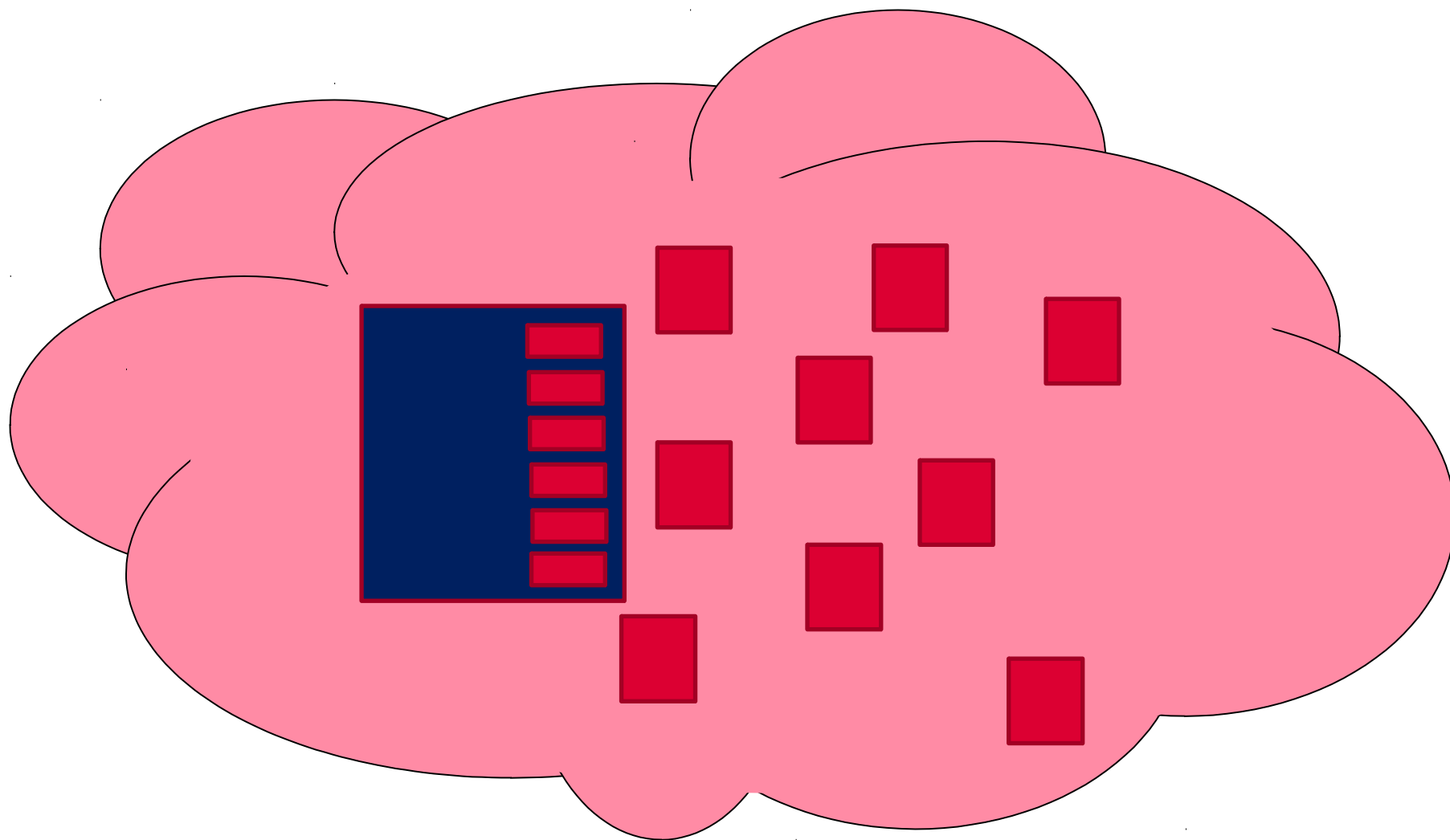
The 2010's



IBM's most recent mainframe...

- All of the traditional virtues we'd expect from a mainframe
 - Reliability, Scalability, Availability, Security
- A first-class citizen in the world of distributed computing
 - Accessible, connected, integrated
- A very strong economic case
 - Save money, by using a mainframe.

The Future



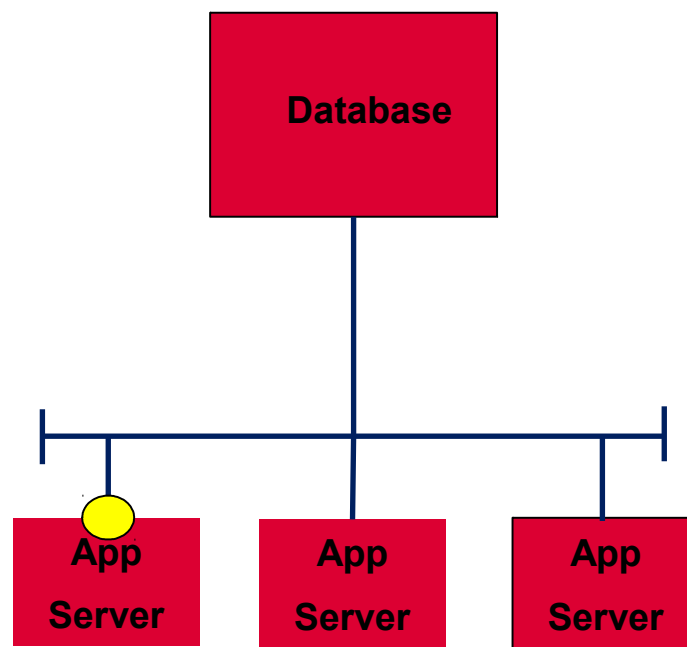
The Future

- Key reasons to be cheerful...
 - IBM's past investment
 - Modernising the platform
 - Mainframe charter
 - Transforming the economics of the platform
 - IBM's recent strategy
 - IBM is "joining up the dots"
 - You!
 - IBM's mainframe customers are VERY important
 - The laws of physics
 - Ole Rømer (1644–1710)

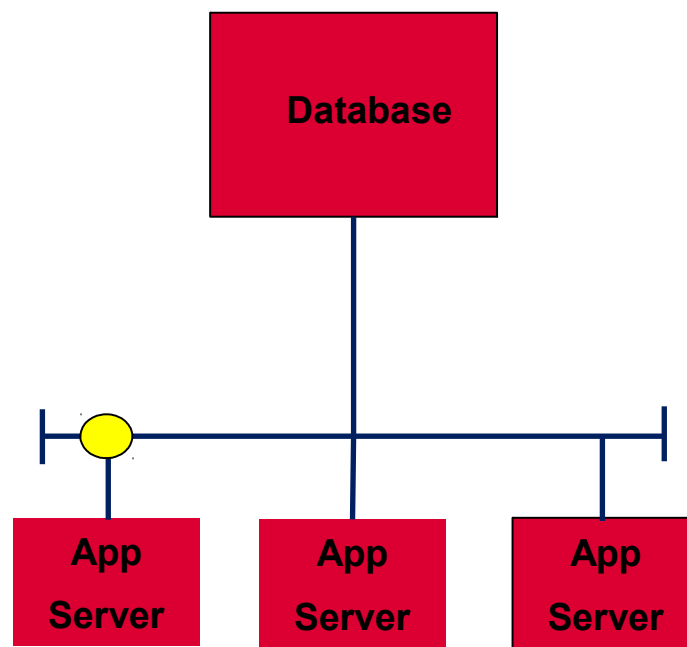
The Mainframe Charter...

- Announced in 2003...
 - Innovation
 - A commitment to deliver innovation to the platform
 - Value
 - A commitment to enhance the value proposition
 - Community
 - A commitment to support and extend the mainframe community

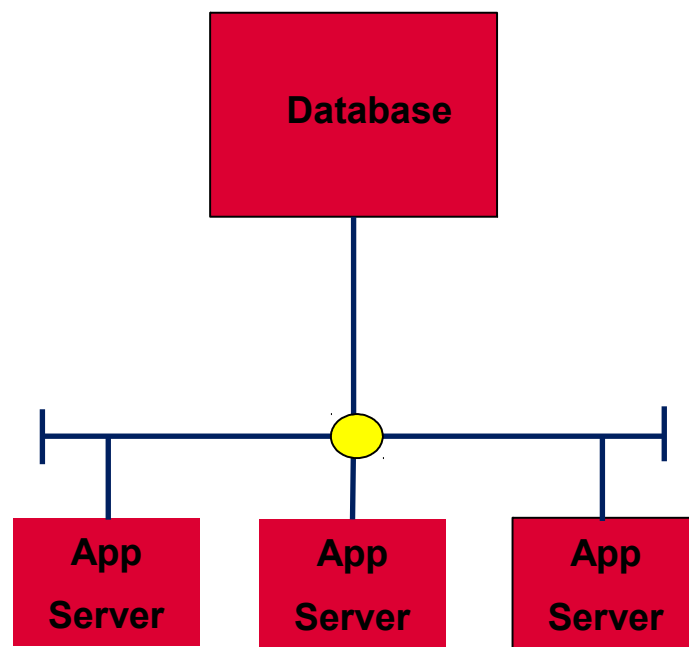
The Speed of light...



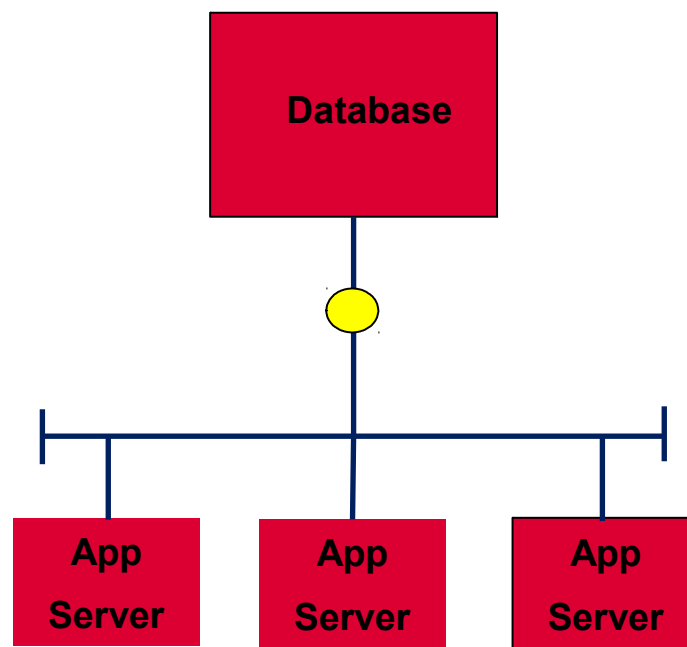
The Speed of light...



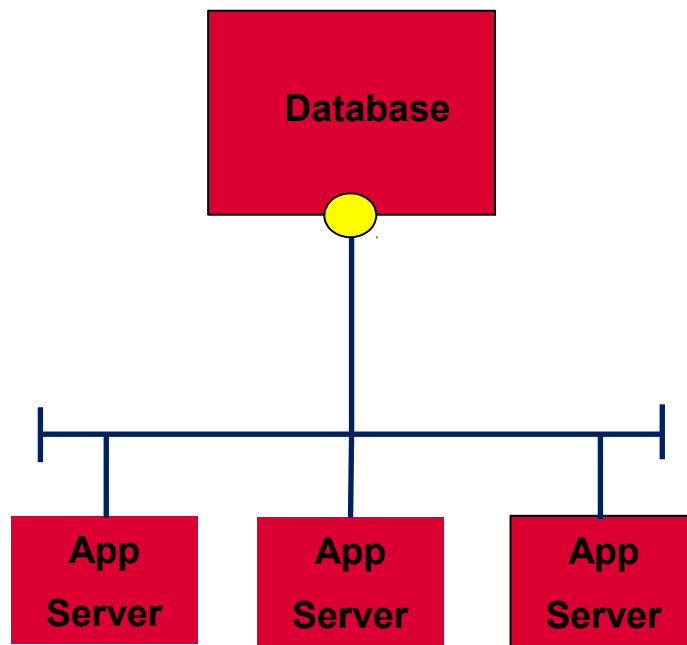
The Speed of light...



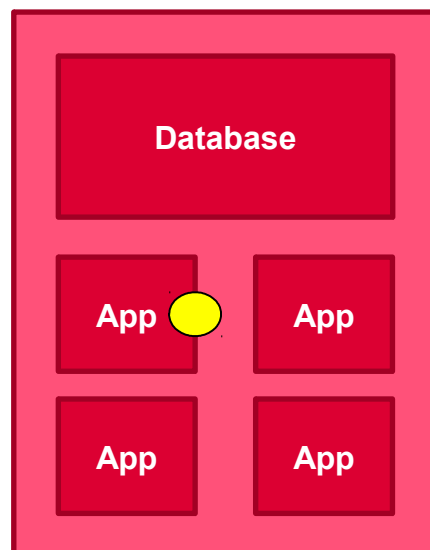
The Speed of light...



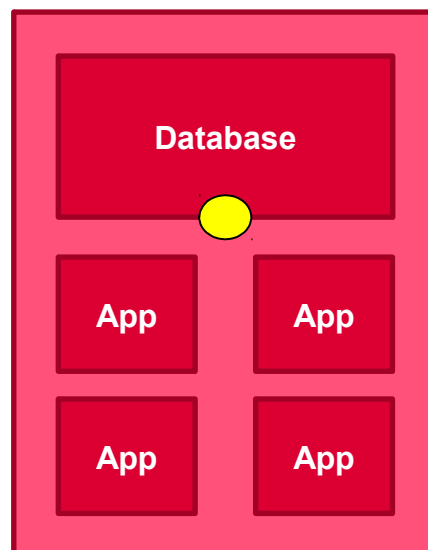
The Speed of light...



The Speed of light...

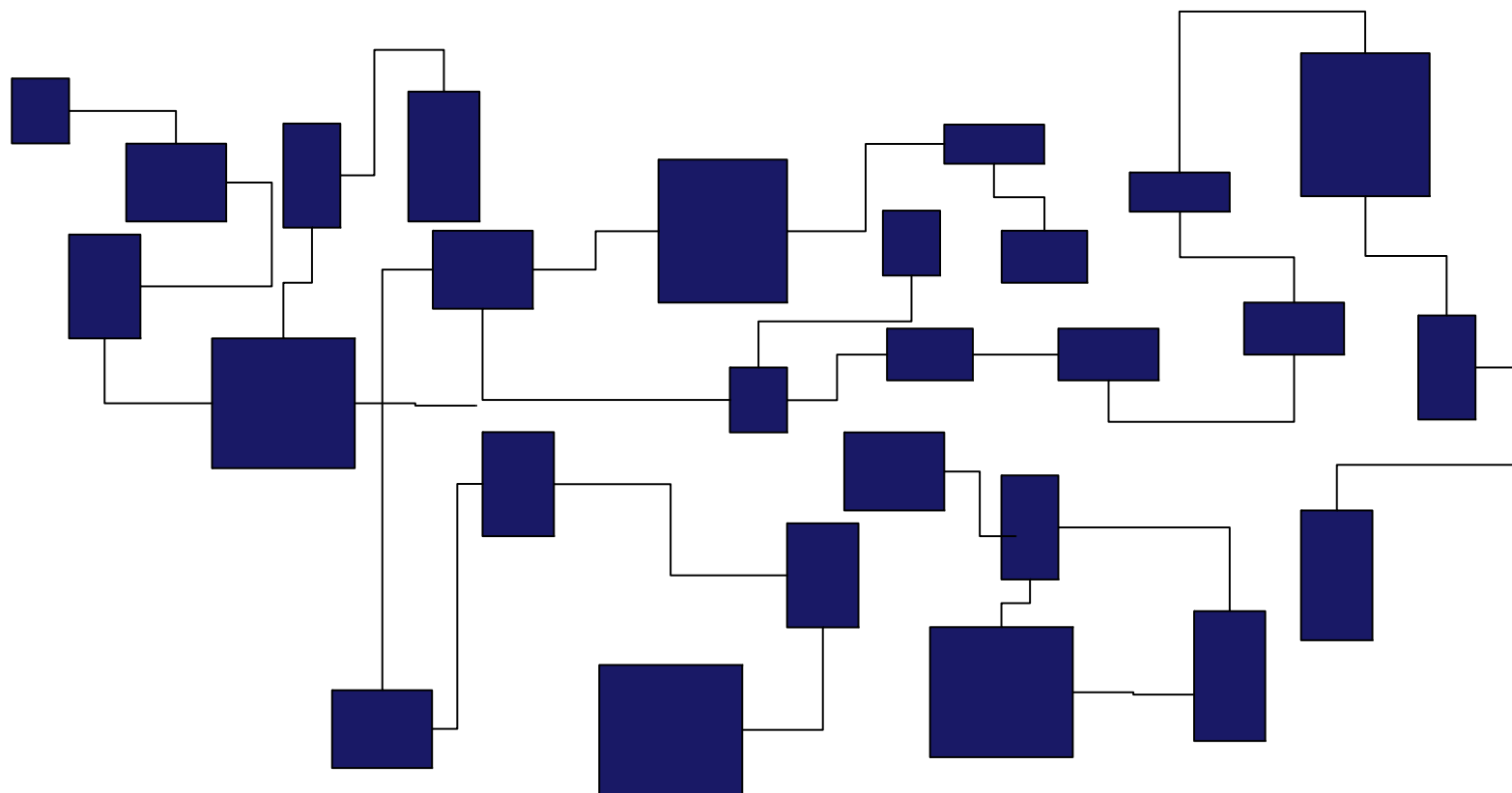


The Speed of light...



**Key scenarios where the
mainframe is very
interesting...**

Infrastructure Consolidation...



Key questions to ask

Costs

Facilities, People, maintenance

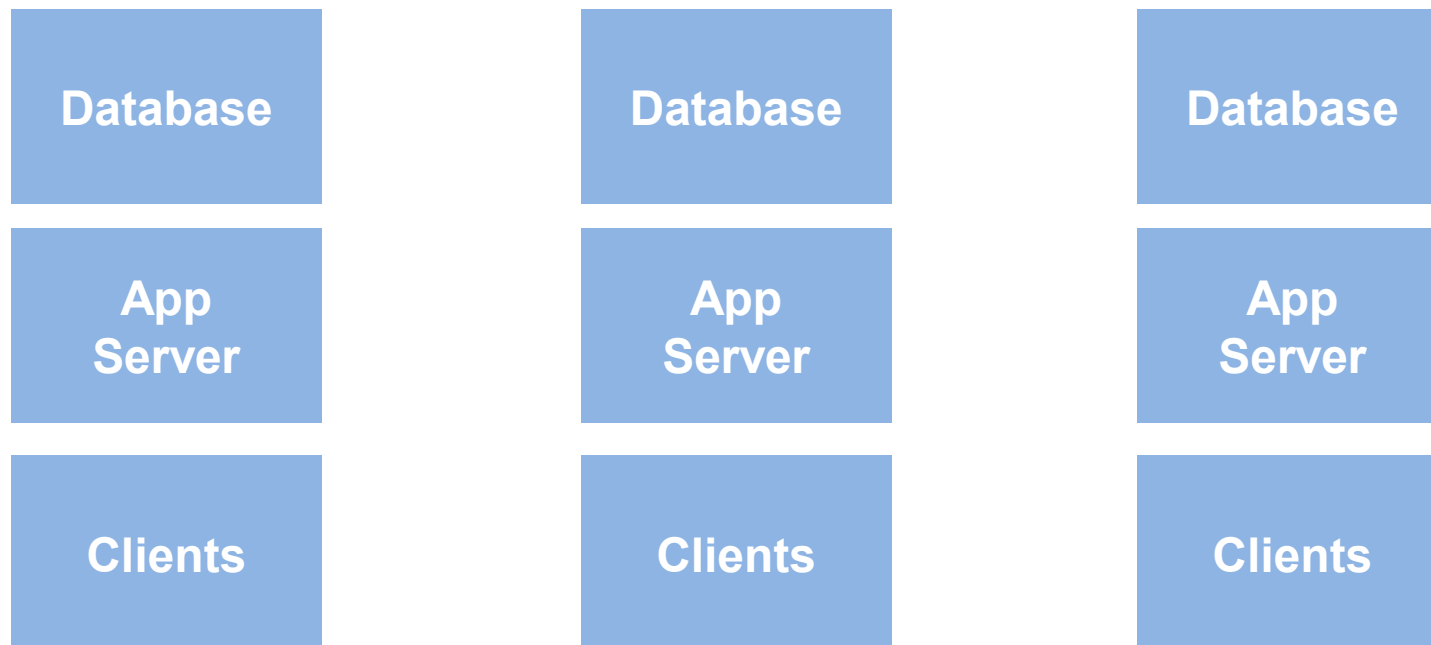
Risk

What do you need to do, and how much does it cost to make the environment reliable and secure?

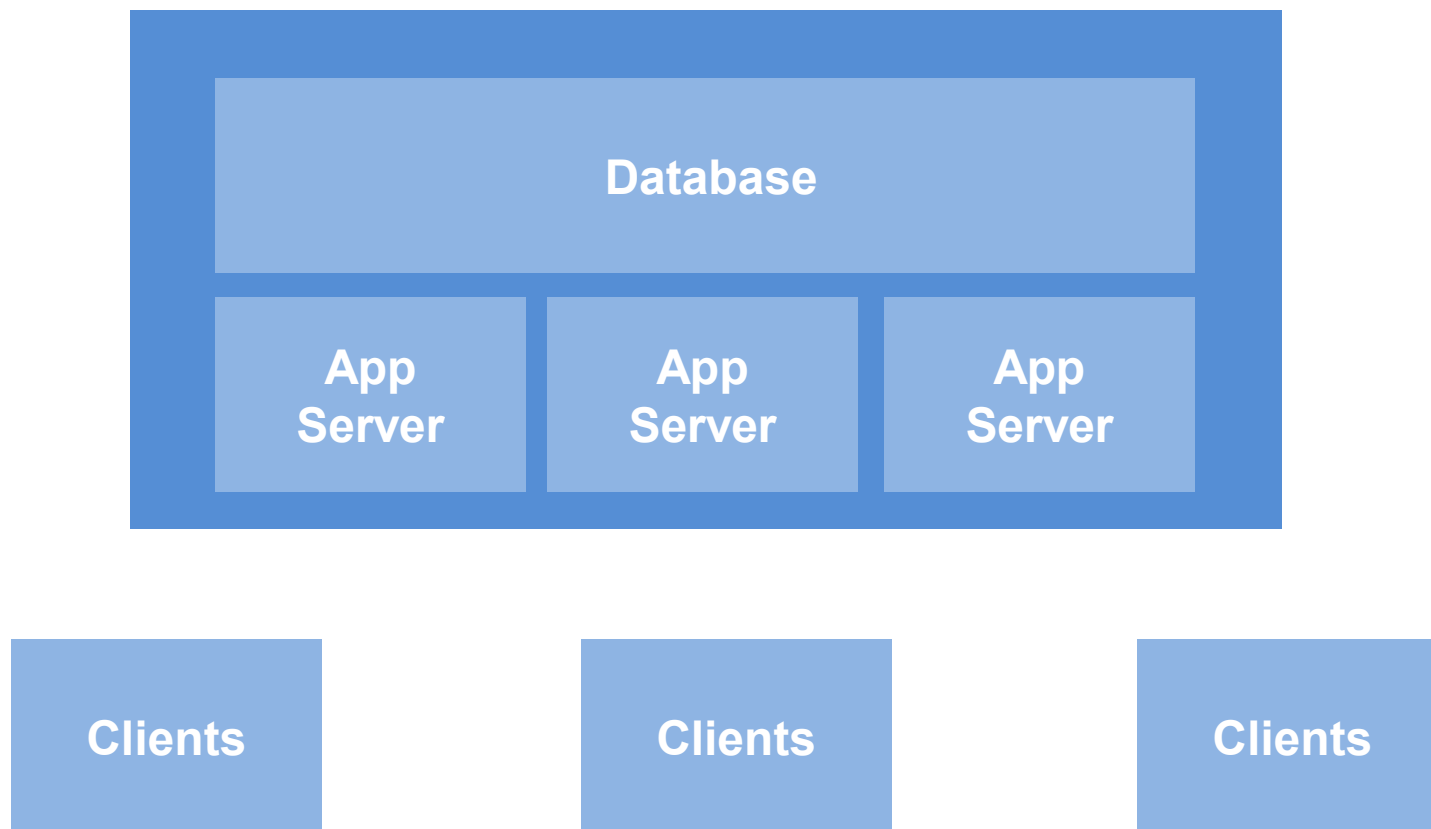
Change

How long does it take to bring new functionality online?

Simplify, consolidate, automate

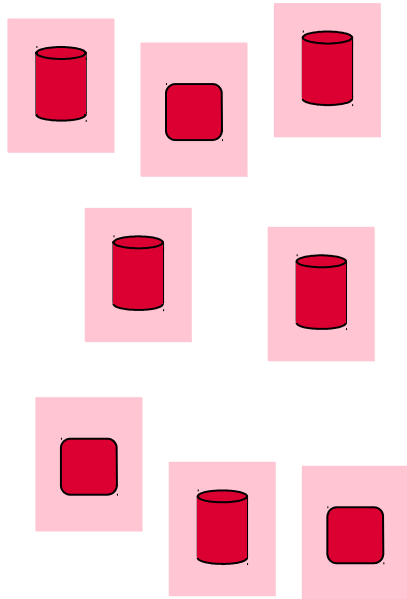


Simplify, consolidate, automate



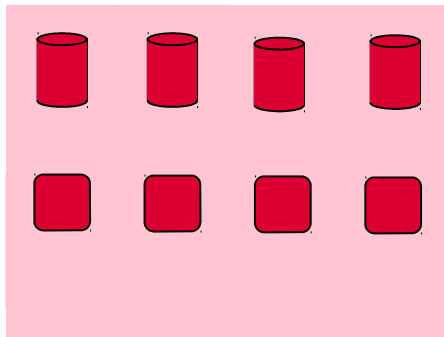
An example : Database Consolidation

Distributed



- Multiple physical servers
 - With duplication for reliability, availability, scalability
- Very hard to get a single, current, view
 - Complex data co-ordination
- Licensed on a per core basis
 - With limited headroom per core

Consolidated



- Single logical server
 - With in-built duplication for reliability, availability, scalability
- Data more easily combined
 - Faster time to truth
- Licensed on a per core basis
 - With multiple instances per core...

Some of the potential benefits...

- 90% reduction in database licensing costs
 - Database consolidation
- 99% reduction in the time taken to deploy new servers
 - Complex data co-ordination
- 97% reduction in time taken to perform a full recovery
 - Simpler architecture, designed with recovery in mind

Call to action

- Don't take my word for it!
 - Engage with IBM to see how consolidating workload onto the mainframe might pay off for you
- Make Simplify, Consolidate and Automate a key part of every key infrastructure discussion
 - Keep asking the questions...
- Use Cost, Risk, and Agility to benchmark alternatives
 - The mainframe has never been a stronger proposition than it is today

Thank you

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