



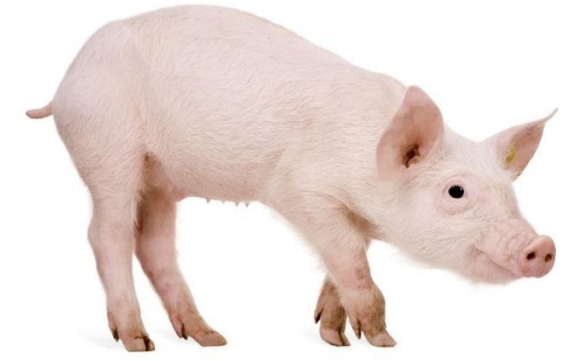
2014 CONNECT

ITM

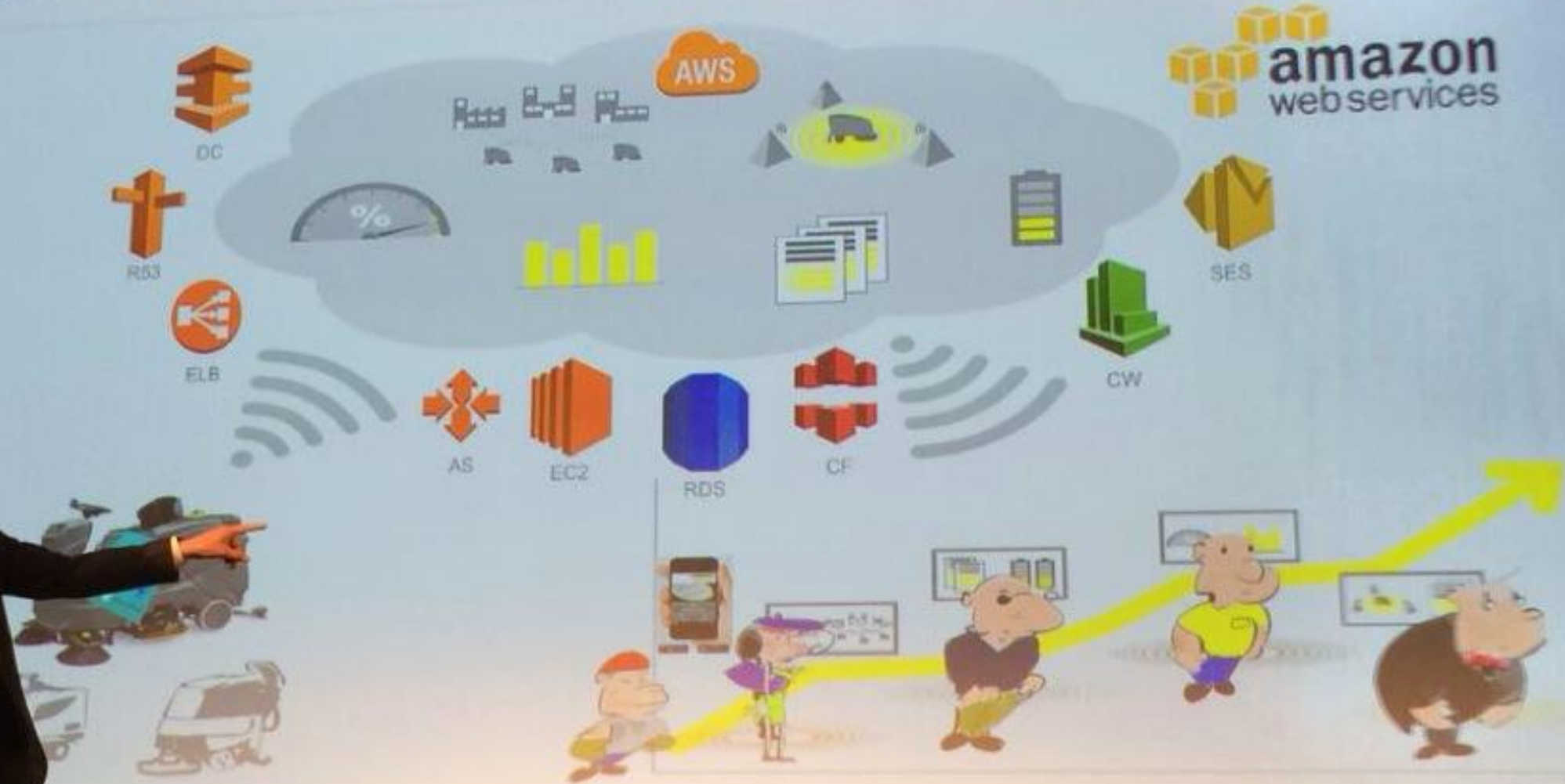
Muscle up your DNN by Amazon and Google

go

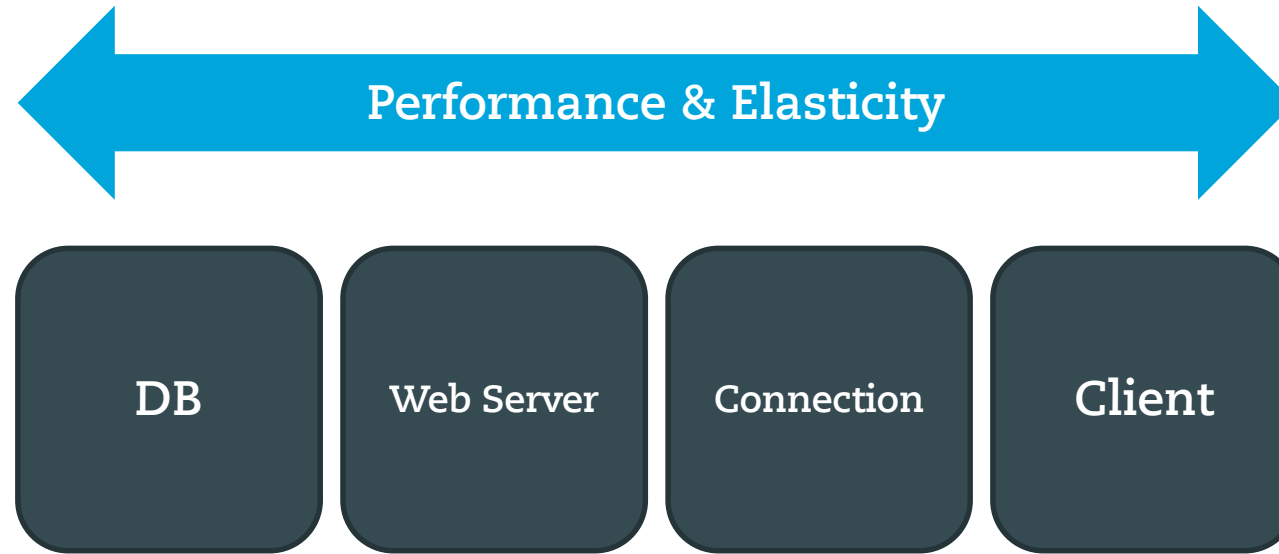
Our relationship with DNN



Kärcher Fleet Architecture



Today's story



cloud is not about moving a web server to another data center

- NoSQL
- Elastic Search
- Latency
- File Size
- ...

AWS Cloud Components

*new opportunities?
looking for*

Amazon Web Services (AWS) founded in 2006

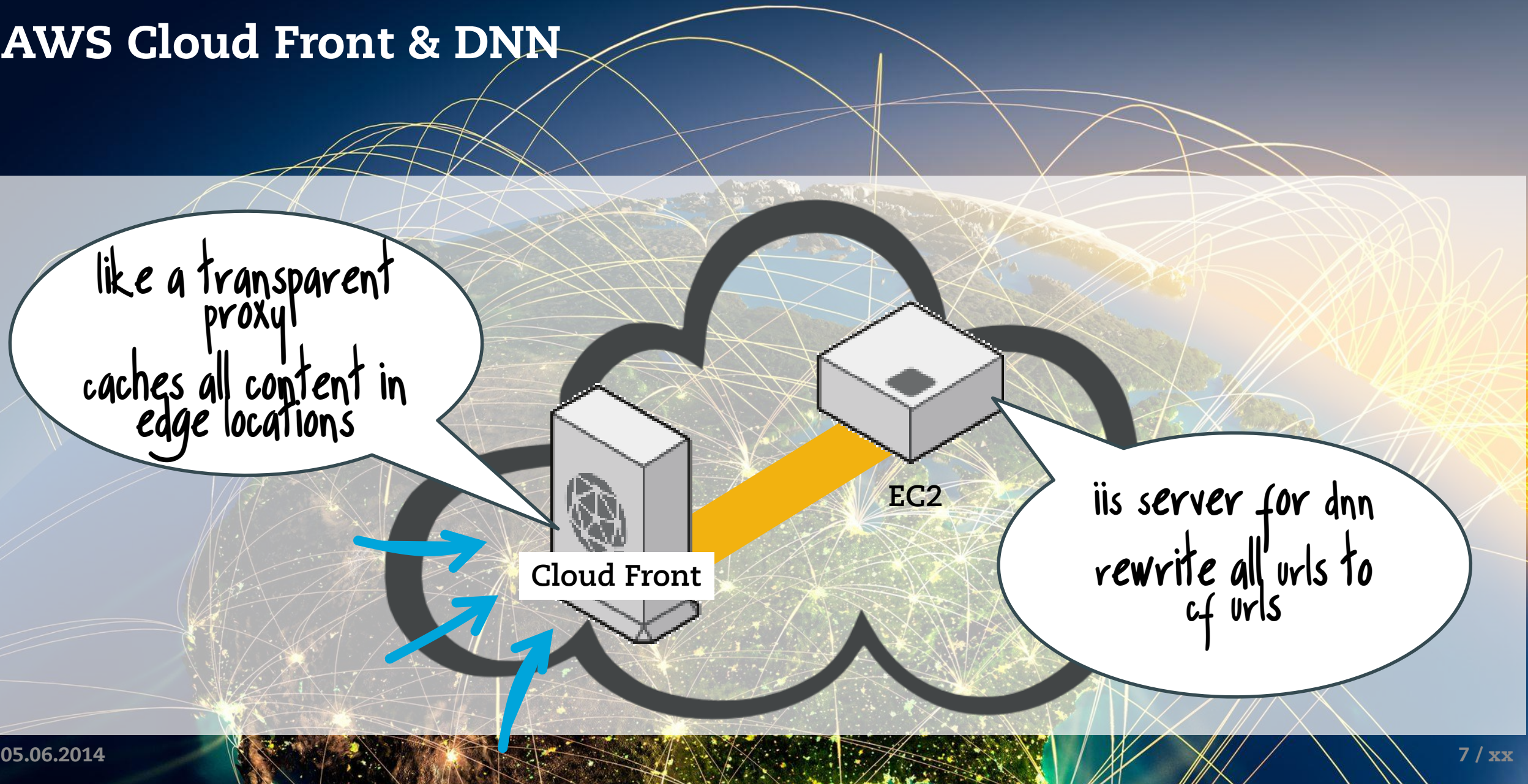
9 regions and 51 edge locations
all over the world

Compute
EC2 Beans
ELB Talk
Auto Scaling

Storage
EBS Glacier
S3
AWS Import/Export

Network
Route 53
VPC Glacier
Direct Connect

AWS Cloud Front & DNN



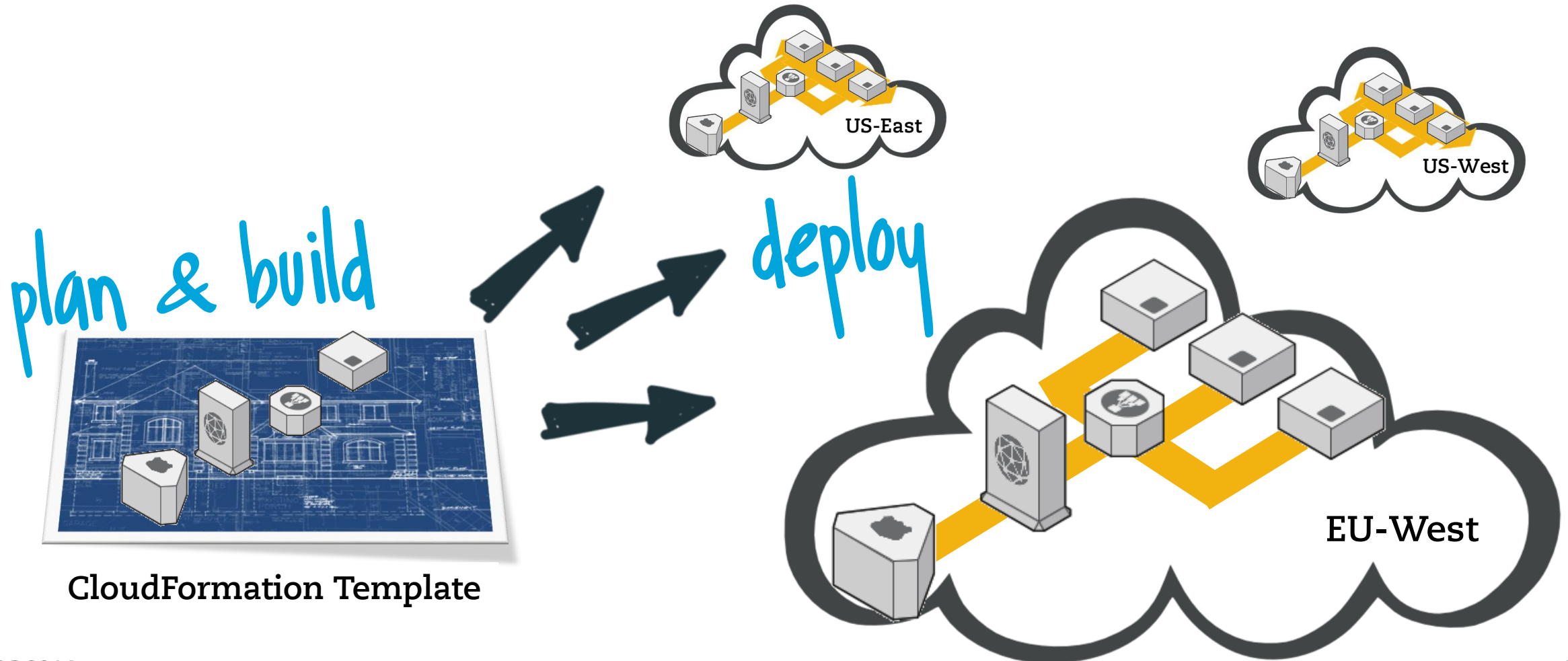
Cloud Components (Latency)

showcase
cloudfront



Run from template

AWS makes it easy to create templates of your application.



Enabled by Cloud

paradigm

- Decoupling of components → make them exchangeable
- Scalability when really needed
- Prevent single point of failure

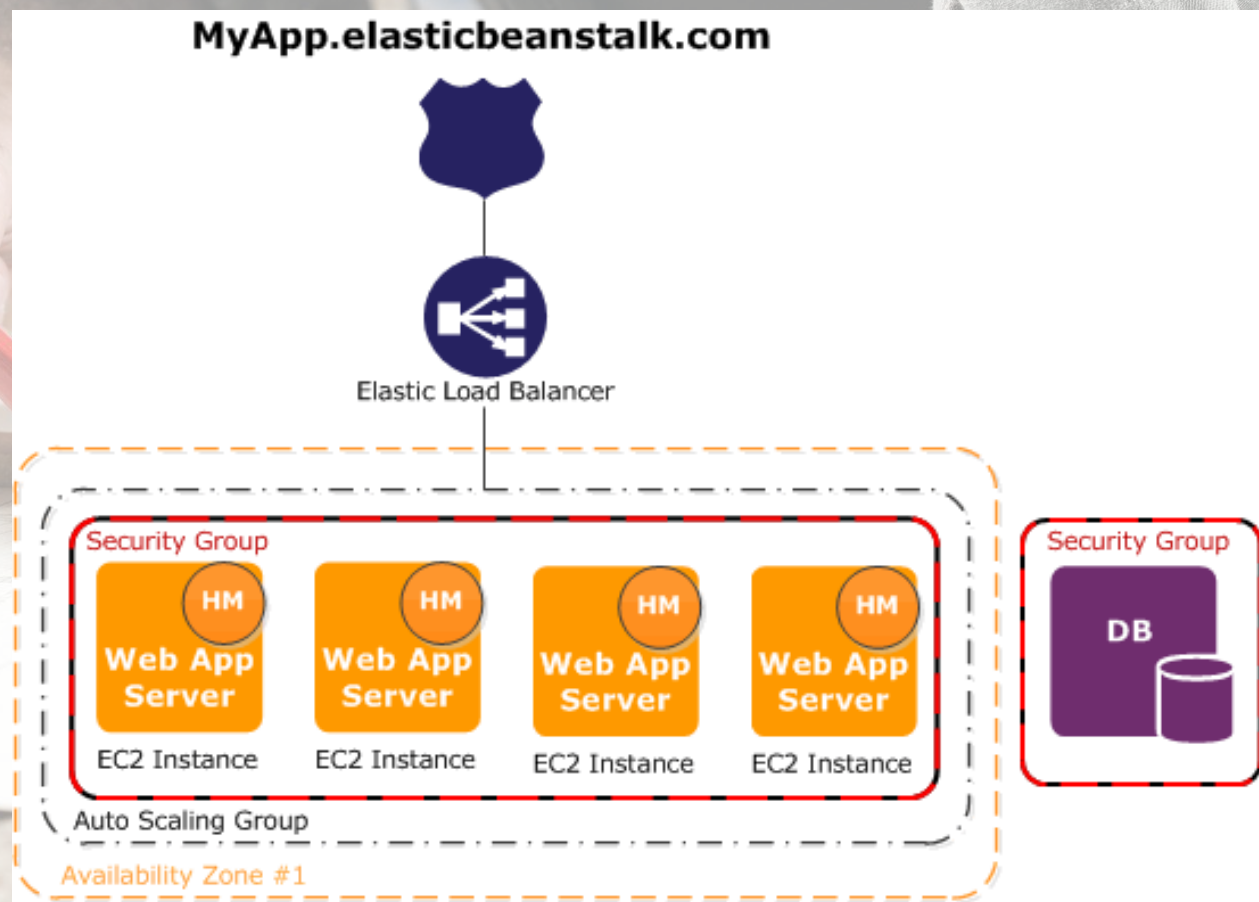
quick wins

content delivery network
elastic load balancing
simple storage service

PaaS: AWS Beanstalk

Beanstalk

- PaaS (Platform as a Service)
- Automatically handles load balancing, auto-scaling, application health monitoring



Cloud Components working best with DNN

decoupling



DynamoDB

- Scalable space & traffic
- Fully Distributed
- SSD powered
- Automatic backup & restore



Beanstalk



SES

- Big Mailings possible
- Handled bouncing



SQS

- Waiting Queue
- Decoupling Tool
- Adds scalability and reliability to your applications

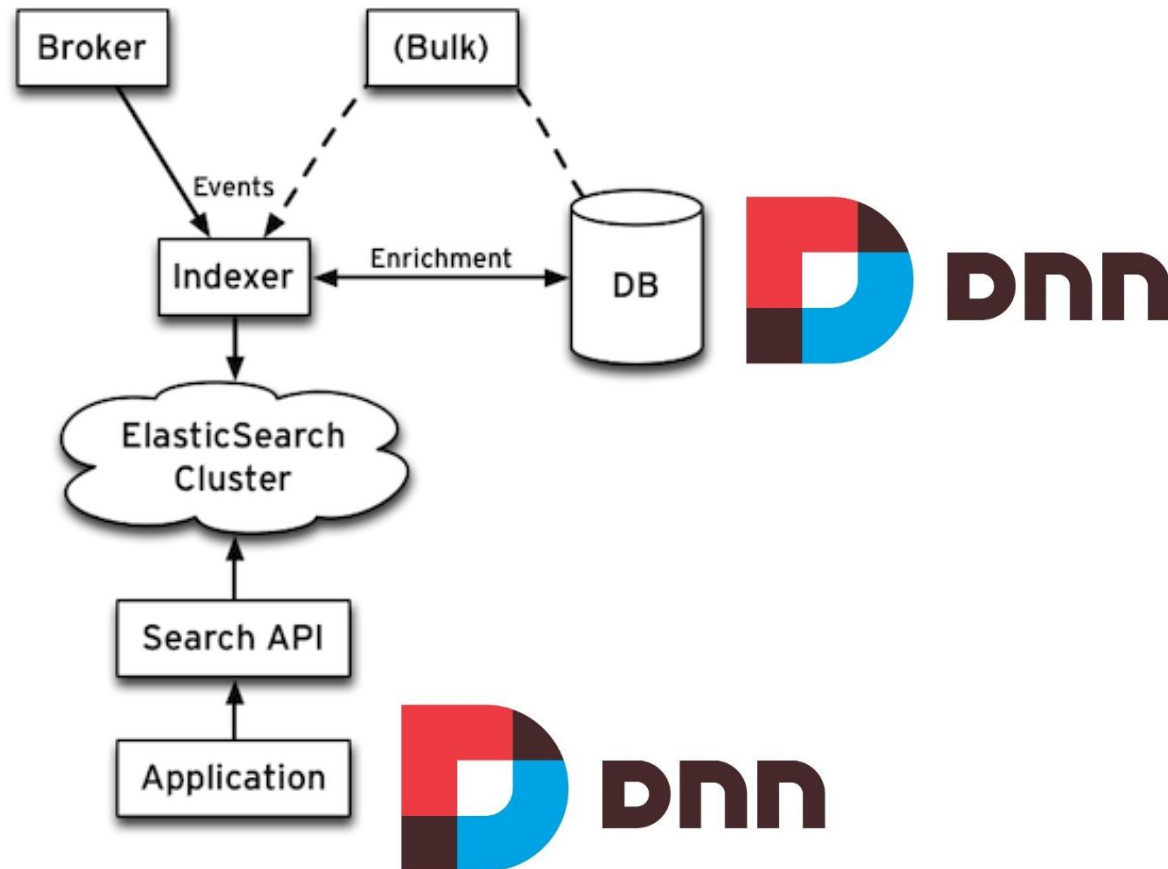
Search as cloud powered component

- Fast with large data
- NoSQL Store
- Schema free
- Scalable
 - Distributed, Node Discovery
 - Automatic sharding
- RESTful, HTTP API
 - With API wrappers for .NET, Ruby, Java, ...
 - JSON in, JSON out



Search as cloud powered component

decoupling



Enabled by AWS Cloud

showcase
search



easy low cost setup
itm

Starting with AWS

You can start of by AWS Free Usage Tier programm without expense for testing.

Free Usage Tier (per Month)

that means...

750 hrs micro EC2,

750 hrs and 15 GB ELB,

750 hrs and 20 GB micro RDS

AWS DNN Image



Thank you.



ITM

Cloud powered DNN installation

Example for a big DNN installation

