



To cloud or not to cloud.

AWS and the rest ...

The myst debunked



I.T. never clouds but it pours

~~it I.T. never rains~~ clouds but it pours

*proverb*

misfortunes or difficult situations tend to follow each other in rapid succession or to arrive all at the same time.  
Eventually they do arrive !!!

# DISCLAIMER

*I am no @m@z0n fan boy...*



# To cloud or not to cloud



To cloud of course but...

We are actually in a middle state, a non static state of affairs.

Dedicated -> VMs -> Docker -> Unikernel  
(library systems) -> what is next ?

# Pros of the cloud

The usual ones

- Speed (!!)
- Resource allocation
- Ability to scale
- Ability to pick and mix
- Ability to implement complicated solutions
- More here, add freely...

## Cons of the cloud

Well I am not arguing about the cloud  
actually...

Simply saying a few words about  
some cloud providers.

What is my beef ?



## Issues (ideas – notes) that smell a bit <sup>(1)</sup>

- Some claim the ability to do things that other clouds do not do
- Some ~~require request offer promote have force~~ proprietary knowledge
- Some have ~~(not)~~ control issues

# Issues (ideas – notes) that smell a bit <sup>(2)</sup>

- And some have cost issues



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We do what others do not ...

Server less ?

Lambda ?

Iot Reports DNS RDS CDN ...

And many more...

Proprietary knowledge

Certified developer, solutions architect,  
sysops etc

It costs to certify, to maintain and it costs to  
get married. Hmm...

It costs a lot more to get divorced.

We control the controller

In some you have less than others.

Actually you have a lot less than you ever  
dreamed.

# Costs (it costs a lot to use my name)

Lets do this example:

Assumptions and/or specifications

## DB SERVERS

- Fail safe installation (A/Z or master/slave)
  - A lot of ram(256 GB RAM)
  - A lot of traffic (10 TB)
- A lot of storage (2\*4TB SATA + 2\*450GB NVME)
  - Fast network (10 Gbit)
  - Extreme support (24/7)
  - Ability to scale (yes please)

# Costs (it costs a lot to use my name)

AWS costs:

RDS A/Z (db.r3.8x)

- business support: 9669 € /month (1h 24/7)
- Enterprise support: 23790 € / month (15m 24/7)

Other Provider:

Super dedicated server: 1224 € / month

- Support: 600 € / month (dc support)
- DB admins / sys admins: 4 \*1500 € = 6000 € (24/7)

# Am I against @m@z0n ?





Yes – I am against because:

Too expensive

Too patronizing

Over complicating

(2500 options in IAM - Identity and Access Management)

Too opinionated

Removes the middle man (dev/sys Ops)

No – I am not against because:

Its amazon, it's the best, the name sells by itself.

It is the brand name above all ?



## Nightmare scenario

Small/mid sized company  
Heavily invest into aws services  
(bind to specific services)

When market turns and funds are minimal ?  
Price increase by amazon !

Describe the day after ...



KEEP  
CALM  
AND  
MOVE AWAY  
FROM DANGER