

# New challenges

# **NEW IDEAS**



# With your head in the cloud & your feet on the ground

**Wouter Gevaert**

Senior Enterprise Technology Architect

[Wouter.gevaert@realdolmen.com](mailto:Wouter.gevaert@realdolmen.com)

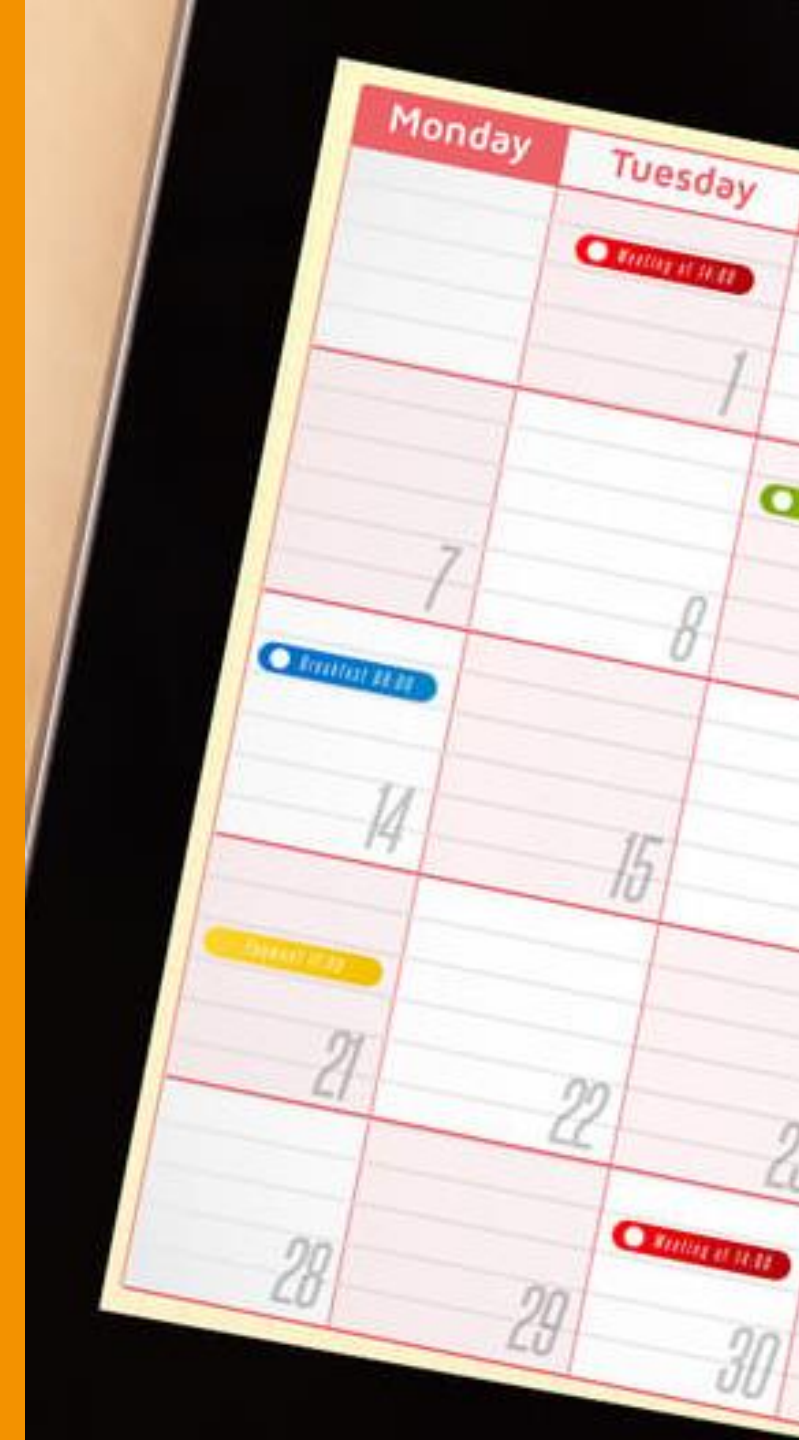
<https://www.linkedin.com/in/woutergevaert/>



# Places to visit on the cloud path

## To walk the cloud path

### Q & A



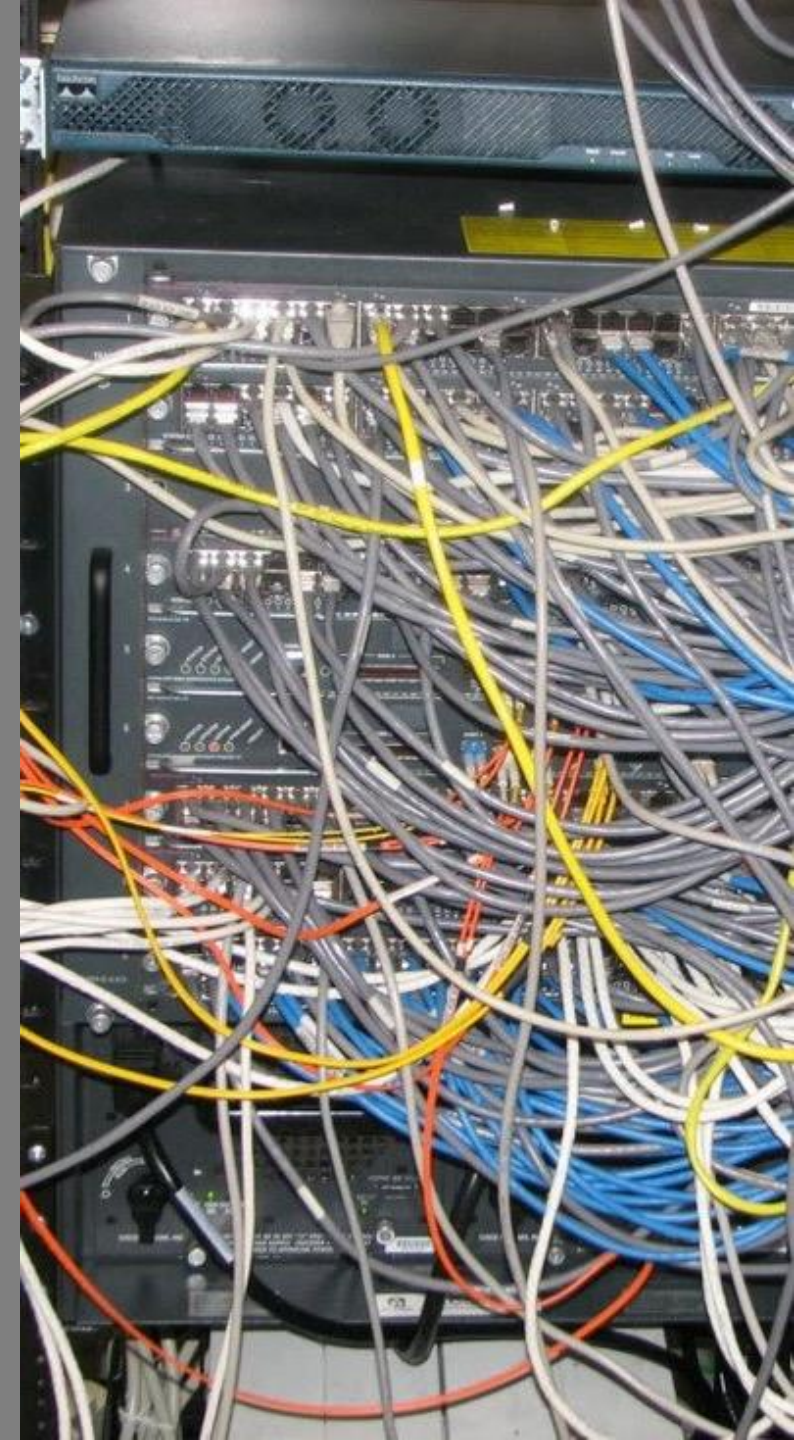
# What is the value of cloud



# PLACES TO VISIT ON THE CLOUD PATH



Get  
Yourself  
connected



# Identity as security

COMMUNAUTÉ EUROPÉENNE  
EUROPESE GEMEENSCHAP  
EUROPÄISCHE GEMEINSCHAFT

ROYAUME DE BELGIQUE  
KONINKRIJK BELGIE  
KÖNIGREICH BELGIEN



REPORT - PASPOORT - REISEPAS



# Beyond the VM



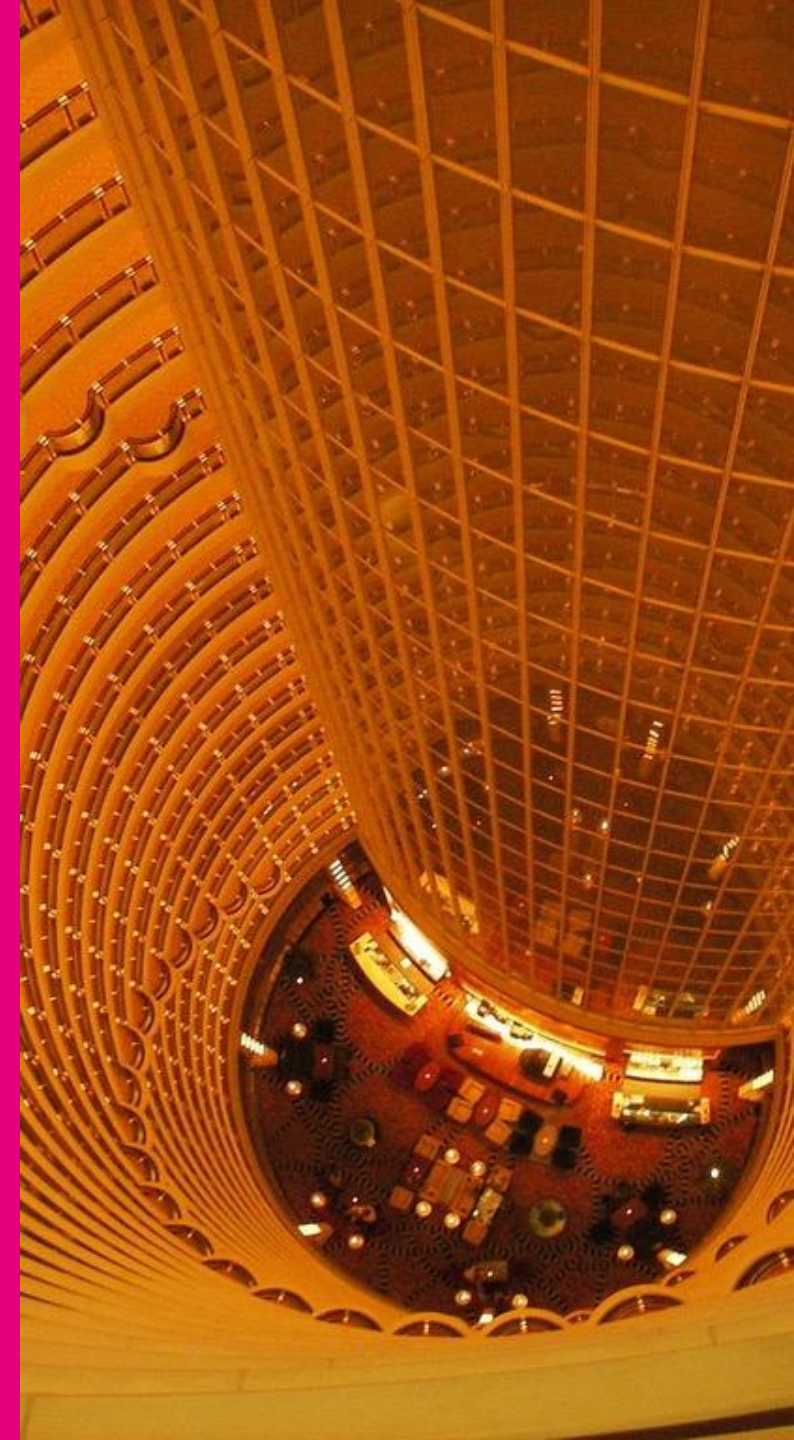
```
public class Startup
{
    0 references
    public Startup(IHostingEnvironment
    {
        // Setup configuration sources.
        Configuration = new Configurati
            .AddJsonFile("config.json")
            .AddEnvironmentVariables();
        env.e
    }
    3 references
    public ICon
    // This met
    0 references
    public void ConfigureServices(IServ
    {
        var mono = Type.GetType("Mono.R
        // Add EF services to the servi
        // consider using Azure SQL or
        if (!mono)
        {
            services.AddEntityFramework
                .AddInMemoryStore()
                .AddDbContext<Appli
```



You cannot predict the future

# Architecture

But you can facilitate it



Rehost

Refactor

Revise

Rebuild

Replace / Repurchase

Retain

Remove / Retire



Business supporting  
- commodity

Rehost

Refactor

Retain

Replace

Value generating -  
unique

Rebuild

Revise

Refactor

Remove



It's not (at) all  
about  
Technology



# Governance



Manage  
your  
costs



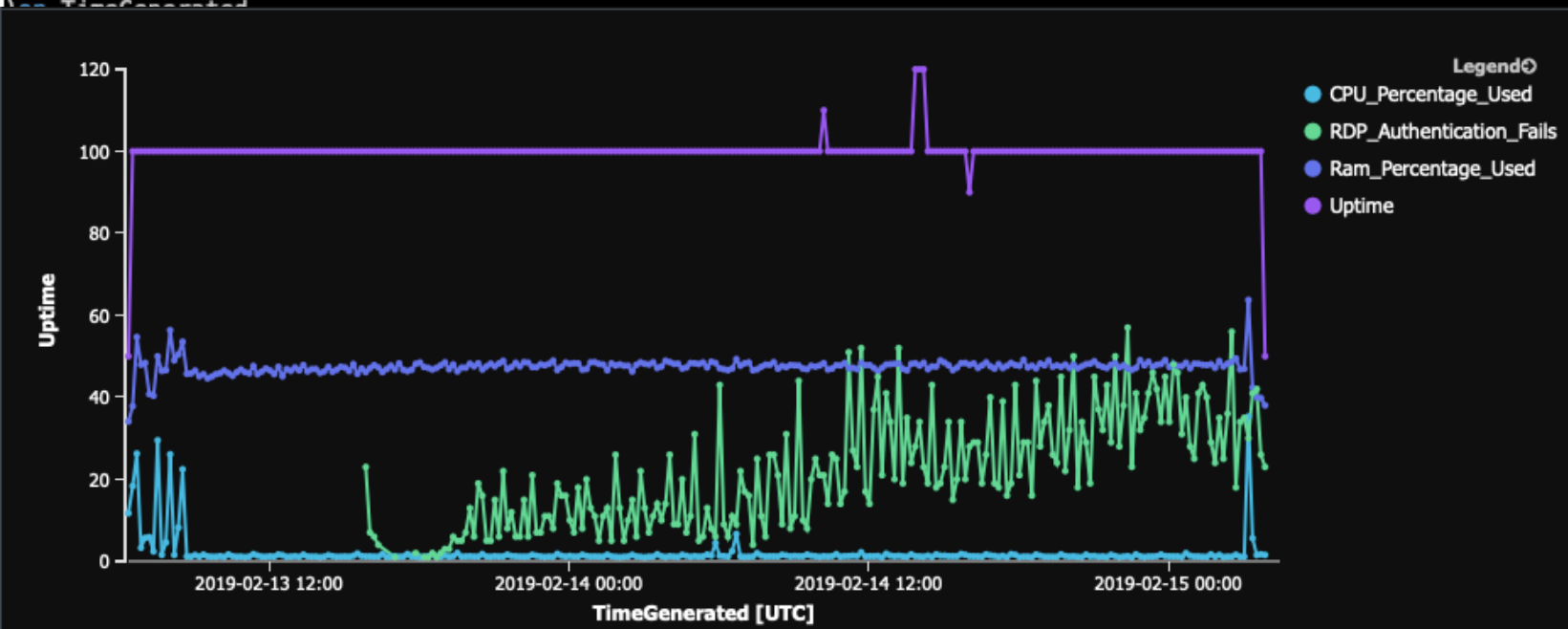
The value of cloud is...  
**enabling**  
your workforce



```

most= FS ; %%hostname
Perf
| where Computer =~ host
| where CounterName == "% Processor Time"
| where InstanceName == "_Total"
| summarize cpu_Percentage_Used=avg(CounterValue) by bin(TimeGenerated, 10m)
| join kind=leftouter (
Perf
| where Computer =~ host
| where ObjectName == "Memory"
| where CounterName == "Available MBytes"
| summarize Ram_Percentage_Used=avg(100 - (CounterValue/4096*100)) by bin(TimeGenerated, 10m)
) on TimeGenerated
| join kind=leftouter (
Event
| where Computer =~ host
| where Source == "Microsoft-Windows-RemoteDesktopServices-RdpCoreTS"
| where EventID == 140
| summarize RDP_Authentication_Fails=count(TimeGenerated) by bin(TimeGenerated, 10m)
-- TimeGenerated

```





# Governance



TO WALK THE CLOUD PATH



Application centric



# Pre Flight Check

Lifecycle  
Ownership  
Opportunity



# Application

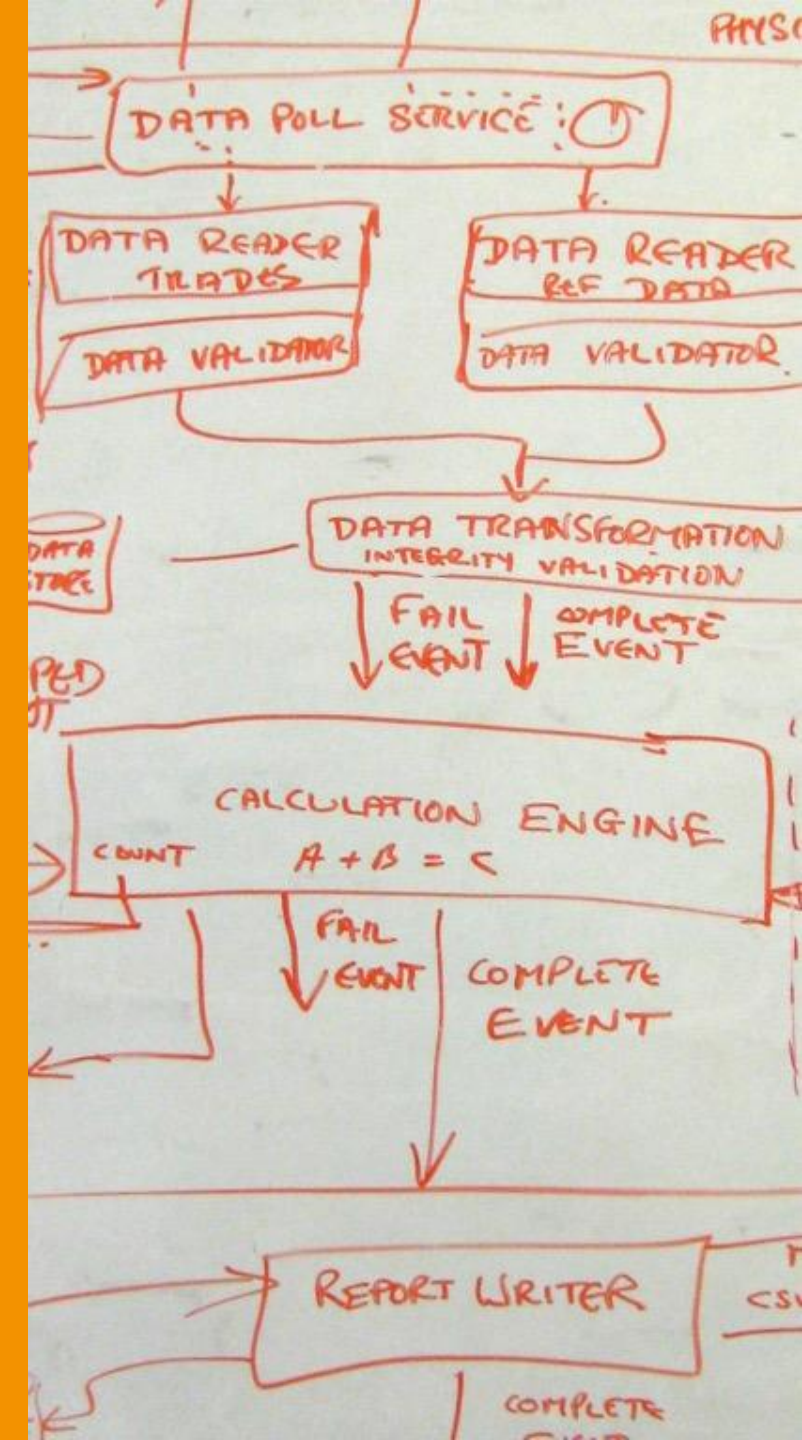
Product breakdown

Licenses

Operating system

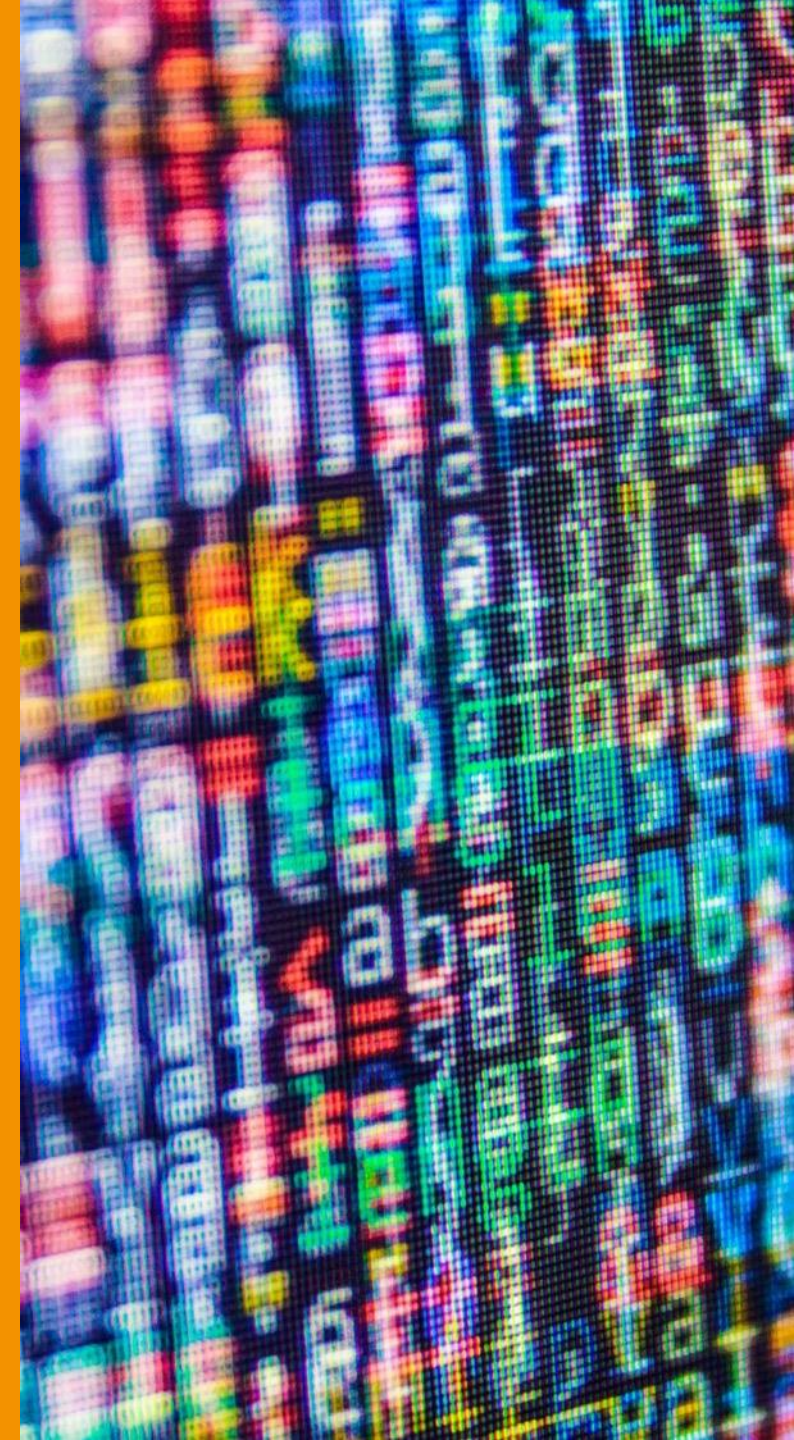
App platform used

App other use



# Data

Data security  
Data platform  
Data other use



# Infrastructure

Hardware requirements

Network topology

Security requirements



Pre flight  
check

- Lifecycle
- Ownership
- Opportunity

Application

- License
- Product breakdown
- Operating system & platform
- Application other use

Data

- Security
- Platform
- Other use

Infrastructure

- Hardware
- Connectivity
- Security





To Be

Application  
Data  
Infrastructure



# Roadmap

## Dependency Grouping Budgets



# Migrate

Align  
Migrate  
Test & validate



# Champagne!



# Manage

Transfer to operations  
Continuous improvement  
Re-evaluate architecture



To Be

- Fundamentals
- Application
- Data
- Infrastructure

Roadmap

- Dependency
- Grouping
- Budgets
- Target cloud

Execute

- Align
- Migrate
- Test & validate

Manage

- Transfer to operations
- Continuous improvement



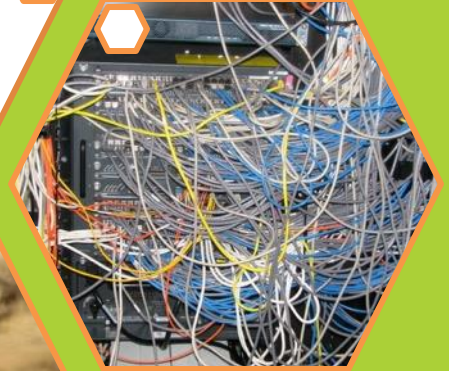
Q & A



ROYAUME DE BELGIQUE  
KONINKRIJK BELGIE  
KÖNIGREICH BELGIEN



Networking



Migration



Infrastructure  
as Code -

```
// Setup configuration source  
Configuration = new ConfigurationBuilder()  
    .AddJsonFile("config.json")  
    .AddEnvironmentVariables("env.e")  
    .Build();  
public IConfiguration GetConfiguration()  
{  
    // This method gets the configuration.  
    return Configuration;  
}  
public void ConfigureServices(IServiceCollection services)  
{  
    // Add EF services to the container.  
    services.AddEntityFrameworkSqlServer();  
}
```

Value



Cost  
management

Identity



Governance





	Technical Track	Services & Management Track
9:30-10:15	Keynote – With both feet on the ground and your head in the cloud	
10:15-11:00	Migration to the cloud – part 1: Lift & Shift to IaaS	Why is Azure Governance crucial for the cloud – part 1
11:00-11:30	Break	
11:30-12:30	Migration to the cloud – part 2: Evolve from IaaS to PaaS	Why is Azure Governance crucial for the cloud – part 2
12:30-13:30	Lunch	
13:30-14:15	Your data platform in the cloud: strategy and options	DNA and added value of a chatbot
14:15-15:00	Choosing the right Cloud connectivity model	IOT, beyond the hype
15:00-15:30	Break	
15:30-16:15	Improve your security score with Azure Security Center	Discover new insights with Azure's Data Science Services
16:15-17:00	Identity-as-a-Service using Azure Active Directory	How to make your teams more productive with (Azure) DevOps
17:00-18:30	Reception and Networking	

