Cloud Computing Skills Gap
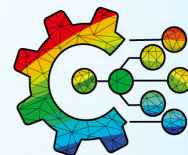
Liza Ocklenburg, cloudSME UG

Cloud Computing Skills - what challenges do we face?

Software as a Service

What does a SaaS consist of?

application + data + databases + server + networking + computing resources

What methods of running SaaS exist?

Job-based

Upload Input & Download Output

Instance-based

Virtual Machine | Graphical User Interface (GUI)

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Workflow-oriented

Multiple applications in one user experience

Auto-scaling Cluster

Applications adapting to the workload of the users

Job-based

Instance-based

Workflow-oriented

Auto-scaling Cluster

Sounds complex!
But what is SaaS supposed to be?

SaaS is supposed to be…

cost-efficient.

SaaS is supposed to be…

easy to use.

SaaS is supposed to be…

publicly available but protected.

So, how to offer high-performant SaaS?

host application
using own resources

contracting cloud provider*
to host the application

*or third party

host application using own resources

👍 | Control
Planning
Capacity
User rights

👎 | Know-How
Resources
Scaling
Costs
Downtime
User Management
CapEx

contracting cloud provider to host the application in extern data centre

👍 | Costs
Security
Flexibility
Scalability
Know-How
OpEx

👎 | Internet access
Walled Gardens
Control
User Management
External Support

OK, SaaS is still a complex thing.

Is there a way to hide the complexity of SaaS?

Yes, Digital Marketplaces.

Mostly from just one cloud provider = vendor lock-in

Like emGORA workspace.

Software apps | Trainings | Consultancies | Matches

Marketplaces simplify and standardize access to high-performance tools.

And can enable coopetition.

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emGORAworkspace

Know-How

Additional Assistance Services

Visibility

Zero-Trust Approach

Full Control

Security

Multiple Cloud Provider

On Demand Computing Resources

User Management

1st Level Support

Hide Complexity

Accounting

www.emgora.eu

DIGITbrain project

Working on the novel concept of "Manufacturing as a Service"

In a nutshell

👍 | Networking effects

👍 | Standardized access

👍 | Knowledgebase

👍 | additional services like online trainings & consultancies

👍 | Less internal overhead

👍 | Outsourced User Management

👍 | Single Contracting party

👍 | Comp. low effort to offer SaaS to a wide range of customers

Thank you! Let's stay in touch!

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