Úvod do Cloudových řešení

Ing. Adrian Demeter
GC System a.s.
GC System a.s.

- Design, implementation and support of Data Centers
- Professional ICT services with high skills
- International cooperation with IBM (IBM Premier BP)
- Wide coverage of ICT products, including high-end
- Based in European Union – Czech Republic
- Security clearance – SECRET/SECRET DEFENSE
The Cloud

User

Provider

Service

SLA

QoS

I need actual information

I need to store data

I need results

I need to run my program

I need to access registers

I need to communicate

Cloud
Who benefits from the Cloud

✓ How quickly can you react and deliver new ICT service?
✓ Do you experience outages due to human error?
✓ How many different configurations do you use? Is it sized for min/mean/peak?
✓ How is ICT usage metered and charged?
✓ Does your ICT budget allow for innovation supporting new business initiatives?

✓ Cost cutting
  • Pay only for what you use
  • Reduce end-user support by up to 40%
  • Transfer CapEx -> OpEx

✓ Improve efficiency – focus on your core business and „cloud“ the non-core
✓ Deploy fast and easy – business growth, new markets, collaboration
✓ Improve customer service

VIRTUALIZATION + STANDARDIZATION + AUTOMATION = Cost + Flexibility
Cloud computing is a style of computing in which dynamically scalable and often virtualized resources are provided on demand as a service over the Network.

- IaaS – Infrastructure as a Service
- SaaS – Software as a Service
- PaaS – Platform as a Service
- CaaS – Connectivity as a Service

**Service: Internal or External or Hybrid?**
Cloud, Outsourcing, Grid, ...?

Web 2.0, Telco 2.0, Infrastructure 2.0, Xyz 2.0

Dynamic Infrastructure
Dynamic Infrastructure

- Reliable & scalable platform (HW, SW, support)
- Virtualized resources (processing, storage, communications)
- Provisioning & Deployment
- Accounting & Charging
- Monitoring & Support
- Self Service Portal
- Standardized environment (Java, Web 2.0)
- Security and user management
- Datacenter physical infrastructure & energy & workforce

BUILD FROM PACKAGE

Build your own

Resell Service
IBM Approach

- Cloud Infrastructure → IBM PureSystems, Virtualization (PowerVM, VMware)
- Cloud Provisioning → IBM SmartCloud Provisioning
- Cloud Monitoring → IBM SmartCloud Monitoring
- Cloud Management → IBM SmartCloud Foundation → IBM Service Delivery Manager, IBM PureSystems
- Cloud Integration → DataPower,
- Cloud Security → IBM Security Framework (QRadar, IBM Mobile Security, ...)
- Application Development and Deployment → WebSphere Workload Deployer
- Cloud Data Center Operations → IBM SmartCloud Control Desk
Thank you

Ing. Adrian Demeter
demeter@gcsystem.cz

GC System a.s.

Na Strži 3/342
Praha 4
140 00
T: 225987987

Špitálka 41
Brno – město
602 00
T: 543537111

Výstavní 1928/9
Ostrava
702 00
T: 599505120

info@gcsystem.cz

www.gcsystem.cz