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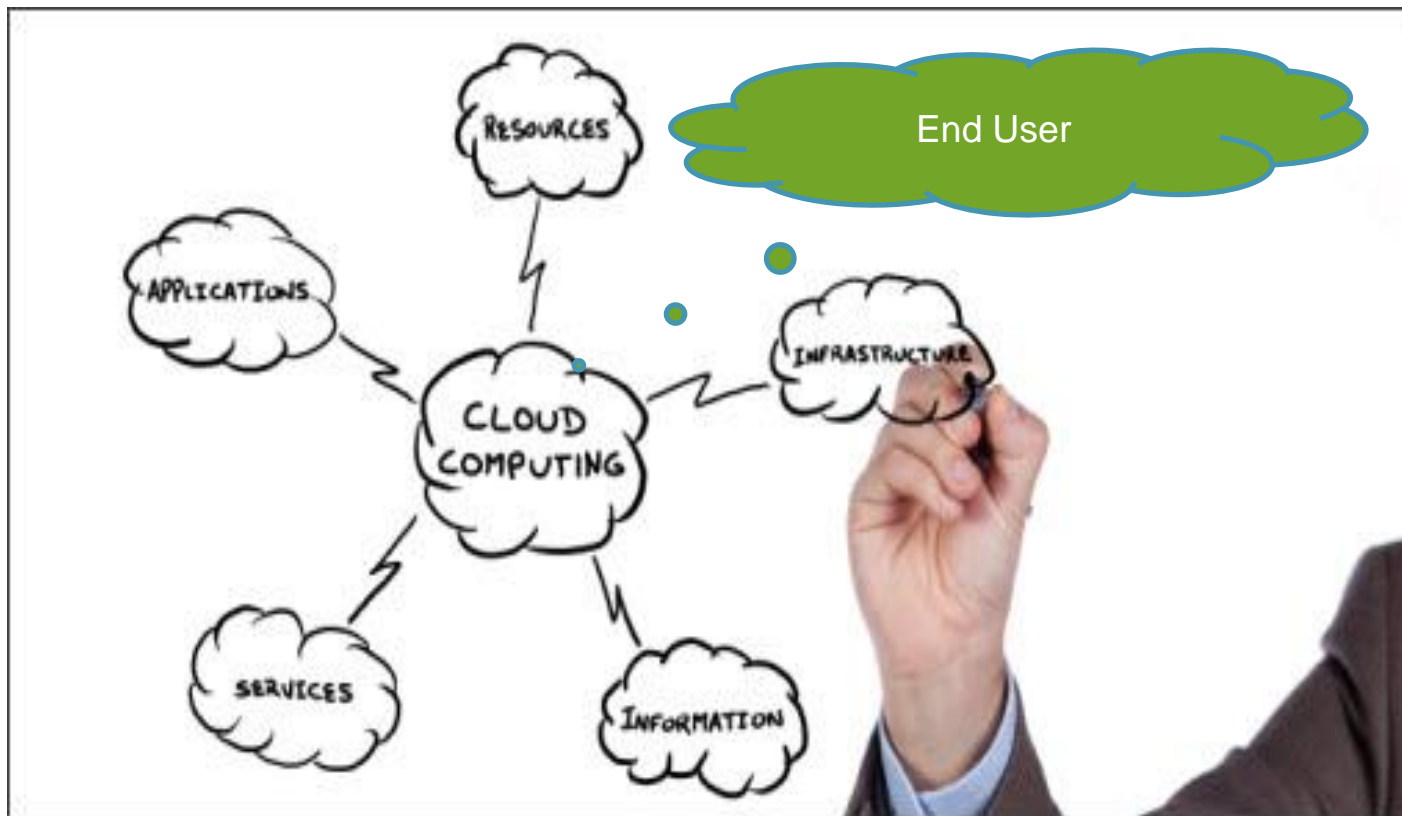
CC clusters for Development and Innovation

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SaaS
PaaS
IaaS



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USER'S Perspective

- **Competent cloud solution partnership**
- **Cost reduction (no in-house IT infrastructure required)**
- **Secured data availability**
- **Scalability and independence**
- **Fully integrated hybrid cloud (private cloud <-> Azure Cloud)**
- **Maximum security**
- **Future-oriented IT operations**

**MS-SQL, webservers, video
streaming,ERP solutions and etc, Linux,
Microsoft based**



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Stand
alone

Data centre

Grid

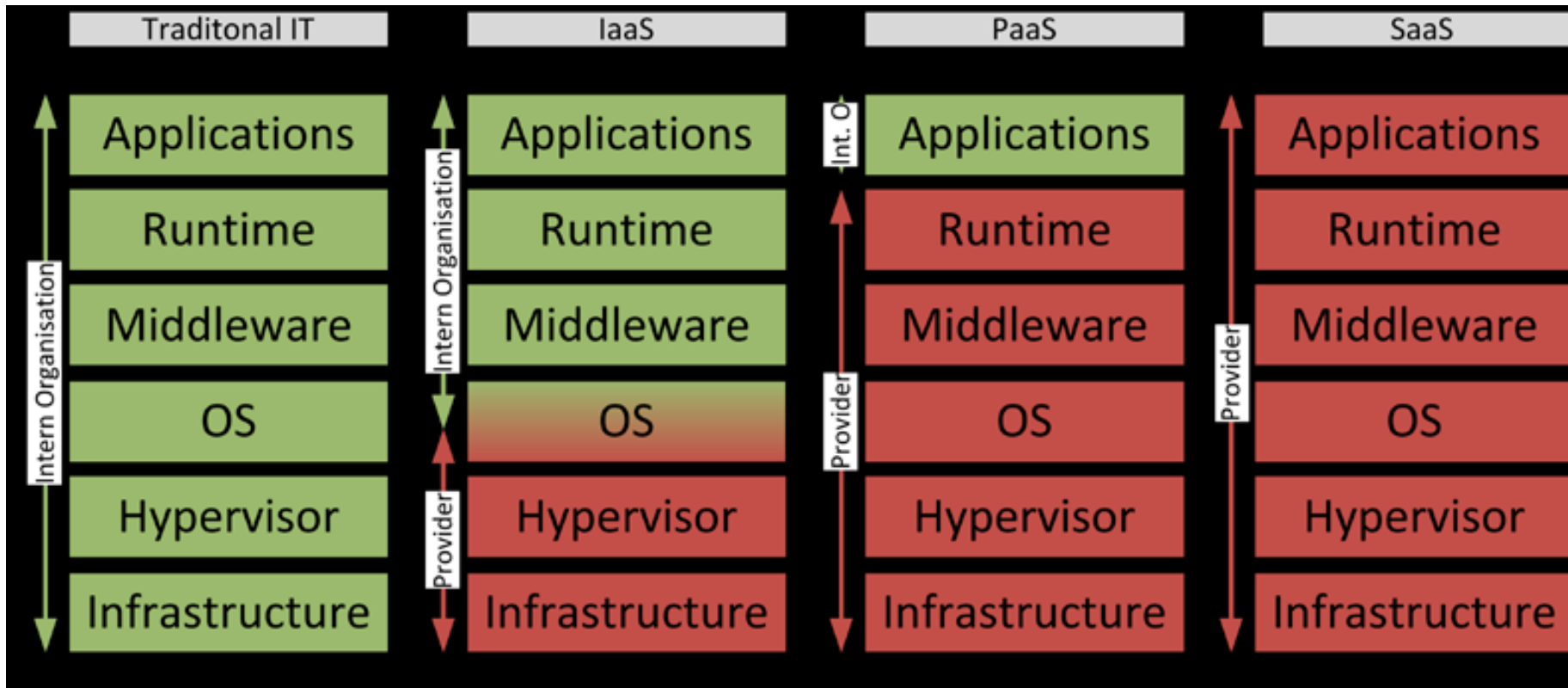
**Refers to distributed
systems**

Cloud
Cluster

**Distributed system in which
many independent
computers
work closely together**



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- **Possibility to have multiple VMs running different OSES on the same physical node.**
- **A VM runs with a guest OS, which is often different from the host OS that manages the resources in the physical machine upon which the VM is running.**
- **The purpose of using VMs is to consolidate multiple functionalities on the same server, which greatly enhances server utilization and application flexibility.**
- **Possibility to have VMs replicated in multiple servers for the purpose of promoting distributed parallelism, fault tolerance and disaster recovery.**
- **The number of nodes within a virtual cluster can grow or shrink dynamically, similar to the way an overlay network varies in size in a peer-to-peer network.**
- **The failure of any physical nodes may disable some VMs installed on the failing nodes, but VM failure won't pull down the host system.**



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CC enabler for IT business

- To be innovative
- To provide SaaS services not having IT infrastructure
- To be competitive
- New partnership possibilities
- New business possibilities





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CC opportunity for public sector

- **Public sector remains owner of State information systems**
- **CC is a business plan for maintenance of State information systems**
- **IT specialists in public sector becomes IT managers**
- **No competition between public and private sectors in IT**
- **Territory and technologies restrictions**
- **Synergy between public and private sectors**
- **Necessity for a new legislation (risk management)**



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Advantages public sector

- No investments into IT infrastructure
- Clear coasting
- Reduction of software applications for ERP, CRM, Document flow management, Projects managements systems
- No worries about necessary IT skills
- More transparency



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Thank You