

Cloud Services

- **IaaS: Infrastructure as a Service**

Users manage applications, data, operating system, middleware and runtimes.

Provider is responsible for providing virtualization, storage, network and servers.

Examples: AWS EC2, Rackspace, Google Compute Engine (GCE), Digital Ocean, Magento 1 Enterprise Edition, also Azure

- **PaaS: Platform as a Service**

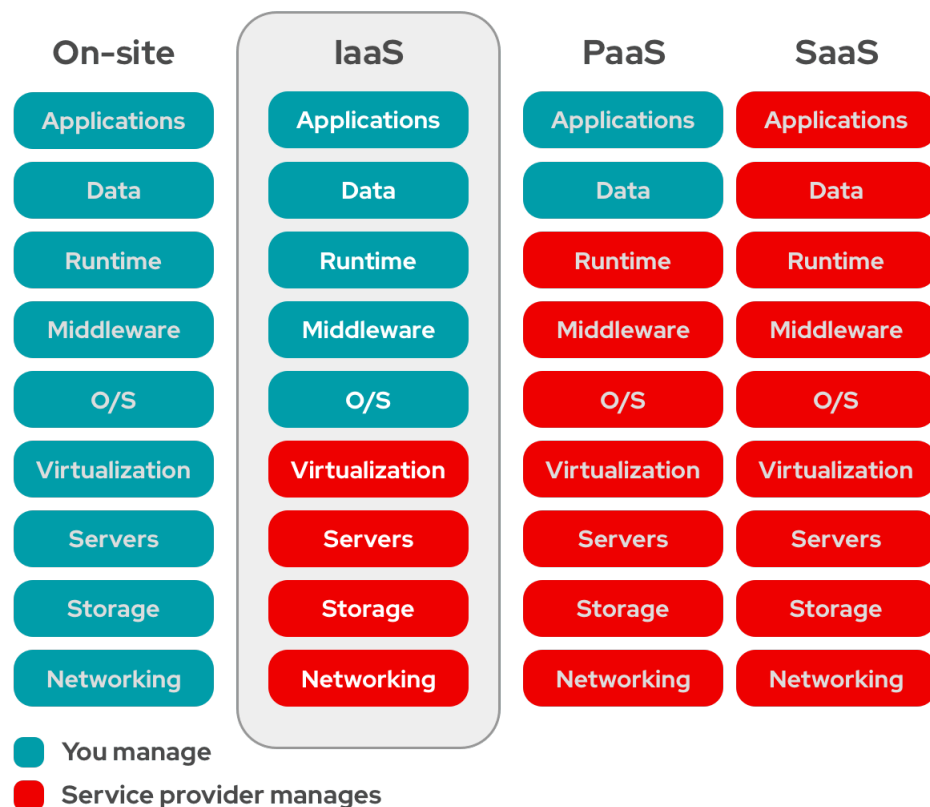
Often used by: developers and programmers who have ideas for an app and can also program them, but do not have the infrastructure to operate and maintain it.

Examples: AWS Elastic Beanstalk, Heroku, Microsoft Azure (mostly used as PaaS), Force.com, OpenShift, Apache Stratos, Magento Commerce Cloud

- **SaaS: Software as a Service**

Users interact with the software via a web browser.

Examples: BigCommerce, Google Apps, Salesforce, Dropbox, MailChimp, ZenDesk, DocuSign, Slack, Hubspot, Paychex HR-Software, CA Technology Enterprise software, WordPress Content Management Software, Microsoft Office 365



www.redhat.com/de/topics/cloud-computing/what-is-iaas

”Most businesses use a combination of SaaS and IaaS cloud computing service models.”

Cloud Providers

Biggest Players

Source

1. Amazon Web Services (AWS)
2. Microsoft Azure
3. Google Cloud and Anthos
4. Alibaba Cloud (mainly China)
5. IBM Cloud
6. VMware (Dell)

Further Cloud Providers:

- Salesforce (leading in SaaS)
- Oracle Cloud
- SAP Business Technology Platform (SAP BTP)
- ServiceNow
- Microsoft Office 365
- OpenStack
- Kamatera

How to identify used Cloud Services

ToDo

Misc

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Everything that could be interesting in the future...

- ... to potentially identify which cloud service is used:
 - Google Cloud offers *Dedicated Interconnect*
 - AWS offers *Direct Connect*
 - Azure offers *ExpressRoute*
 - OpenStack offers *OpenStack Public Cloud Passport*