Cheatography

Cloud Computing Cheat Sheet

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Why "Cloud" ?

Very often on diagrams, the Internet was symbolized by a nice cloud clipart. It was a convenient way to sum up the complexity of the worldwide network linking two or more LANs.

Humans (IT) and machines (IoT)

Human-generated traffic	You, me, them, us : browsing the web, sending e-mails, video-conferencing, downloading, uploading... Good old IT.
Machine-generated traffic	Also known as the *Internet of Things* (IoT) : sensors, alarms, probes, detectors, devices, ... A galaxy of autonomous Cloud--enabled equipments running some form of synthesized intelligence.

1 Cloud, 3 categories

Infrastructure (IaaS)	Provides servers, OSes, virtualization, network and storage.	Amazon Web Services, Microsoft Azure, AT&T, CenturyLink Technology Solutions, Cisco Systems, Cloudscaling, Comcast, EMC, GoGrid, Green Cloud Technologies, Hewlett-Packard, IBM, Joyent, NaviSite, Nebula, NTT Communications, Peak, ProfitBrick, Rackspace, Terremark.
Platform (Paas)	Provides a computing platform and a solution stack as a service.	Apprenda, CloudBees, CumuLogic, Docker, Engine Yard, Eucalyptus Systems, GigaSpaces, Morphlabs, MuleSoft, Parallels, Piston Cloud Computing, Pivotal Software, Puppet Labs, Ravello Systems, Red Hat, RightScale, ScaleXtreme, Software AG, StackDriver, Xively.
Application/-Software (SaaS)	Provides access to centrally hosted software.	Acumatica, Avalara, BetterCloud, Birst, Cloudability, FinancialForce, Google, Insightly, Intacct, Jaspersoft, Marketo, NetSuite, Oracle, Paxata, Salesforce.com, SAP, Star2Star Communications, Tableau Software, Workday, Zoho.

1 Cloud, 3 types

Private	A Cloud infrastructure entirely dedicated to one company.
Public	The services are rendered over a network that is open for public use.
Hybrid	A composition of two or more clouds (private or public) that remain distinct entities but are bound together.



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