

サーバーレスアーキテクチャで
考えておかなければいけないこと

日本ネットワークイネイブラー株式会社

石田慶樹

サーバーレスアーキテクチャ

アプリケーション/サービス層

You are here!

プラットフォーム層
(クラウド+API)

DaaS

SaaS

PaaS

IaaS

I am here!

インフラストラクチャ層

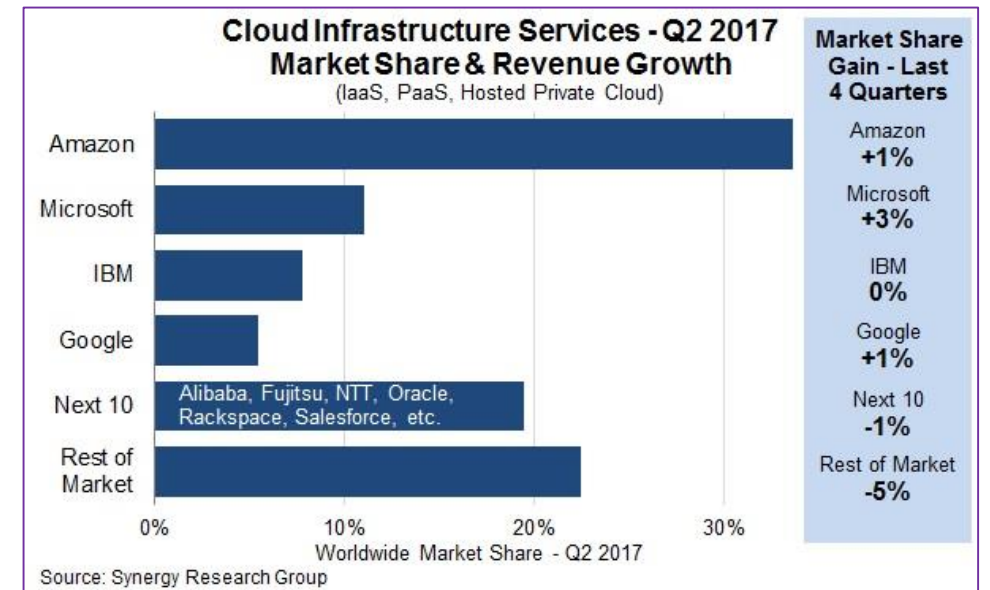
デバイス層

クラウド四天王

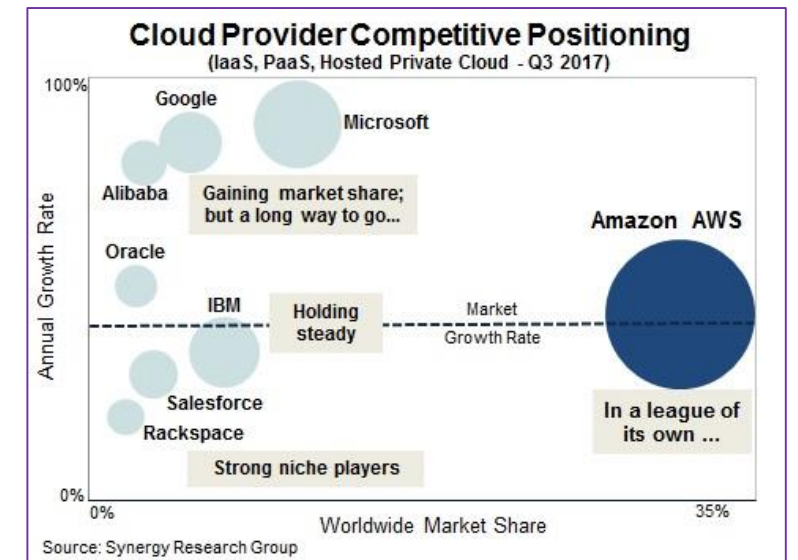
- Amazon AWS
- Microsoft Azure
- Google GCP
- IBM



グローバルプラットフォーム



<https://www.srgresearch.com/articles/leading-cloud-providers-continue-run-away-market>

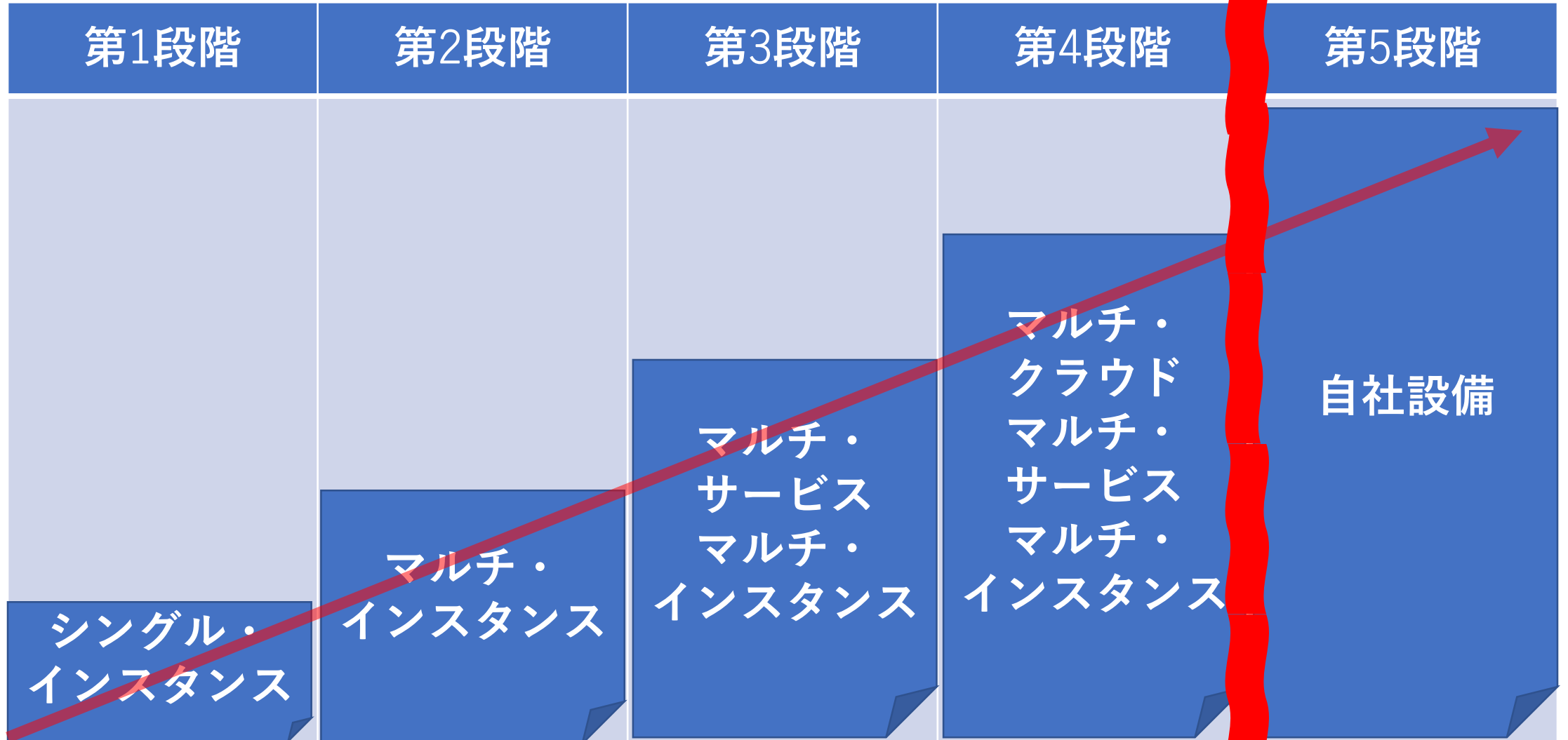


<https://www.srgresearch.com/articles/cloud-market-keeps-growing-over-40-amazon-still-increases-share>

Webサービスの成長段階

大きな
ギャップ

規模




時間

Dropboxの場合(2017/9/16)

Why Dropbox decided to drop AWS and build its own infrastructure and network

Posted Sep 15, 2017 by Ron Miller (@ron_miller)



There is always a tension inside companies about whether to build or to buy, whatever the need. A few years ago **Dropbox** decided it was going to move the majority of its infrastructure requirements from **AWS** into its own data centers. As you can imagine, it took a monumental effort, but the company believed that the advantages of controlling its own destiny would be worth all of the challenges they faced to get there.

For starters, a company like Dropbox is dealing with a huge number of customers storing an enormous amount of data. The latest numbers are 500 million users and 200,000 business customers. When they made the transition, they had to move an epic 500 petabytes — that's five followed by 17 zeros — that had been sitting on AWS servers. (They still use AWS for some workloads.)

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AdChoices

UP NEXT

Upcoming versions of Google Chrome will let you permanently mute sites, block autoplaying videos

Posted Sep 15, 2017

FOUNDED
1994

OVERVIEW
Amazon is an e-commerce retailer formed originally to provide consumers with products in two segments. It offers users with merchandise and content purchased for resale from vendors and those offered by third-party sellers. Operating in North American and international markets, Amazon provides its services through websites such as amazon.com and amazon.ca. It also enables authors, musicians, filmmakers, ...

LOCATION
Seattle, WA

CATEGORIES
Crowdsourcing, E-Commerce, Internet, Delivery, Retail, Software

FOUNDERS
Jeff Bezos

- DropboxはAWS上から自社設備への移行を実施

<http://jp.techcrunch.com/2017/09/16/20170915why-dropbox-decided-to-drop-aws-and-build-its-own-infrastructure-and-network/>

Evernoteの場合(2016/9/14)

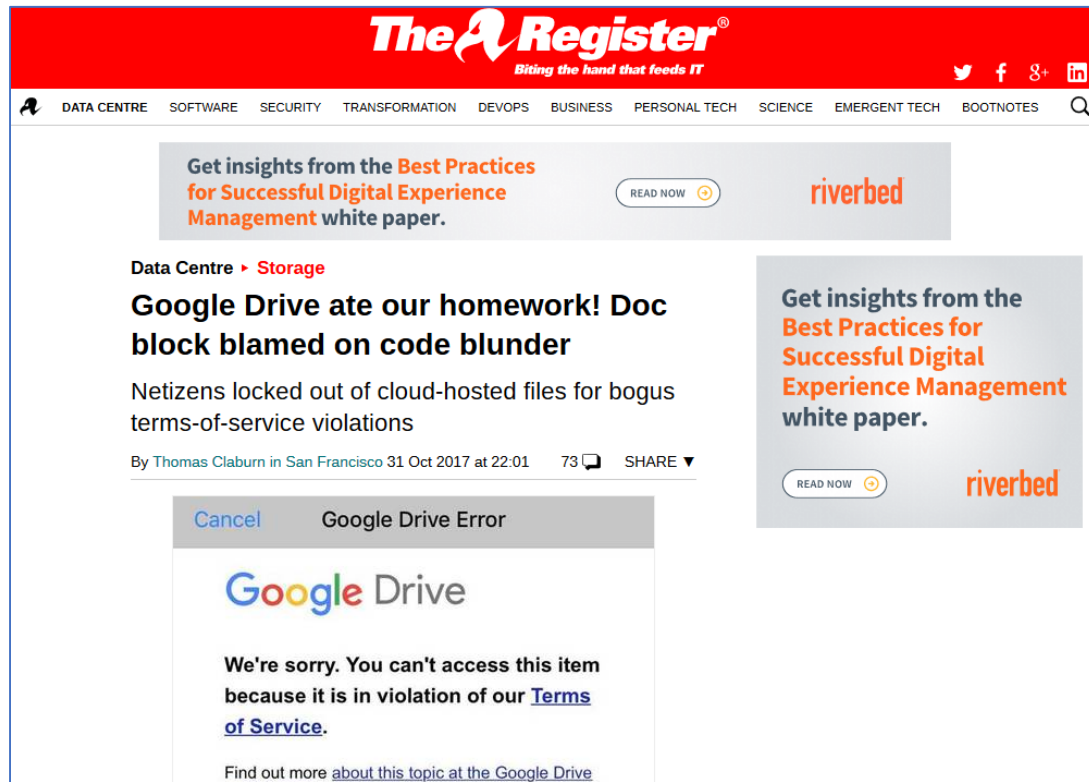


- Evernote は自社設備から GCP への移行を実施

<https://blog.evernote.com/jp/2016/09/14/54229>

事例2 Google Drive

- 個人が保存していたGoogle Drive上のコンテンツが一方向的にブロックされる



http://www.theregister.co.uk/2017/10/31/google_docs_blocked/

事例3 AWSからの情報流出

- 当事者に瑕疵のない情報流出



サーバーレスアーキテクチャで考えておかなければいけないこと

- クラウド事業者(グローバルプラットフォーム)に依存
- グローバルプラットフォームの振る舞いによって突然のサービス停止の可能性
 - 大規模障害、ポリシー変更、事業停止、
- 緊急事態の場合への備え：BCPの一部

BCP（事業継続計画）とは、企業が自然災害、大火災、テロ攻撃などの緊急事態に遭遇した場合において、事業資産の損害を最小限にとどめつつ、中核となる事業の継続あるいは早期復旧を可能とするために、平常時に行うべき活動や緊急時における事業継続のための方法、手段などを取り決めておく計画のことです。緊急事態は突然発生します。

1.1 BCP（事業継続計画）とは - 中小企業庁

www.chusho.meti.go.jp/bcp/contents/level_c/bcppl_01_1.html