OCP from user's point of view

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Server Infrastructure Architect
Main Purpose

- How feel that installing and operating OCP in YahooJapan infrastructure
Agenda

- Introduction
- Yahoo! Japan Infra. Overview
- OCP Installation Result
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What is Yahoo! JAPAN?
Yahoo! JAPAN アプリ
タブレット版
iPad / Android
明日の雨をお知らせ
アプリはこちらから

労金やツケ 民法どう変わる？
野良猫に餌やり禁止 賞与続々
トルコ最大級の地下都市発見
昨晩月食 夜桜と競演続けて
ハイル監督の奇策 選手も驚く
マタレ 割れる子供の顔出し
Yahoo! JAPAN = over 100 services
About Speaker

■ Biography

I’m Kazuhide Fujimi.

I work for Yahoo! JAPAN as a Server Infrastructure Architect from 2010.

I’m in charge of Server Infrastructure in Infrastructure Department.

My recent activities include evaluating server, designing server configuration and fix server problems.
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Y!J Server Infra. Overview

- 1U, 2U Rack Mount Server (almost)
Y!J Server Infra. Overview

■ 3 over DC in Japan (1 in U.S.)
Y!J Server Infra. Overview

- **Responsibility**
  - Evaluate Devices
  - Design Server’s Configuration
  - Fix Server’s Problems
Server Number Scale

- Quantity
- Time

- 2014
- 2015
- 2016
- 2017

- 100,000+ Physical
- 80,000+ VM

expectation
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OCP Install Result

- **2014**
  - Start OCP Discussion, Evaluation

- **2015-2016**
  - OCP for OpenStack and Hadoop in U.S.
  - OCP for OpenStack(Development) in Japan

- **2017**
  - OCP for OpenStack(Production) in Japan.
OCP Install Result

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  ◆ Start OCP Discussion, Evaluation

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OCP Install Result

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- 2017
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No Integration

Delivery Separately
OCP Server Configuration
No RAID Card
No HardDisk
SATA SSD Boot
Comparison Data
19Inch and OCP
Breakdown of purchasing OpenStack Server last first half

47%
Server Total Percentage

2.7%

Share of Server Vendor the latest.
Dead of Arrival

Comparison of failure rates after delivery (DOA)

19Inch

0.5%

OCP
Conclusion

- Possible to Install OCP in Japan
  - But some challenges

- Quality is equivalent to 19Inch Server
  - Only Comparison of DOA

- Estimate the total cost by running life cycle
Thank you

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