MIRACLE LINUX
Business Updaet

（Version 1.20_en)

MIRACLE LINUX CORPORATION

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MIRACLE

Company Profile

◆Company Information

Establishment : 2000.6
Capital : ¥400million
President & CEO : Takashi Kodama

◆Stockholders

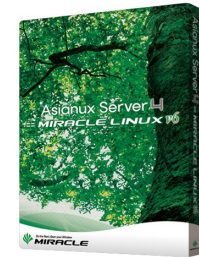|	
NEC	14%
OBC Business Consultants	14%
Hitachi	4%
NTT Data	4%
Sun Bridge	4%
Otsuka Corporation	2%
Executive & Employee Ownership	62%

◆Number of Employees : 50
　Technical Engineers are 80%

◆Culture : Open minds

◆Main Products

Business overview

Standard IS Computer
(DB/Application servers)

Industrial Computer
(Appliances/Specialized computers)

Categories that requires quality, customize, long-life production, or support by Japanese engineers

Pyramid levels (top to bottom):
- High Performance, Consolidated Server
- Low Price Appliance Server
- Appliance Desktop
- STB/BOX/ Special Device Mobile Device

Processor logos: intel Xeon, Power, intel Core i7, intel Core i5, intel Atom, AMD The future is fusion, ARM, MIPS TECHNOLOGIES, Power

System Savior, ZABBIX, POS, MIRACLE VISUAL STATION

over 10-year experience with vending Linux

-many Enterprise users
-Kernel/packages/drivers/X-Window customization
-Support multiple cpu architecture
-Original software development (Browser/Movie Player)

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Appliances and solutions; made of Miracle Linux

Receipt PC

ATCA server

Zabbix appliance

ZABBIX

Rescue PC

Ambience's Controller

DHCP server appliance

Digital Sign age

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Case study : Zabbix – Telecom industry(1)

ZabbixServer(A)　　ZabbixServer(B)
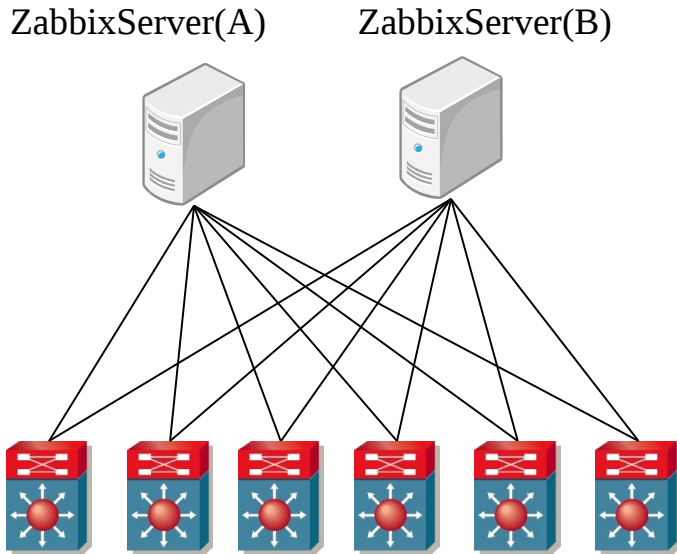
Objects：NW Switches 300

Items：50,000 (Interval:5 minutes)

Zabbix server info

・Zabbix Version：Zabbix1.8.3
・OS ：Asianux Server 3 ==MIRACLE LINUX V5 SP3
・HW Spec
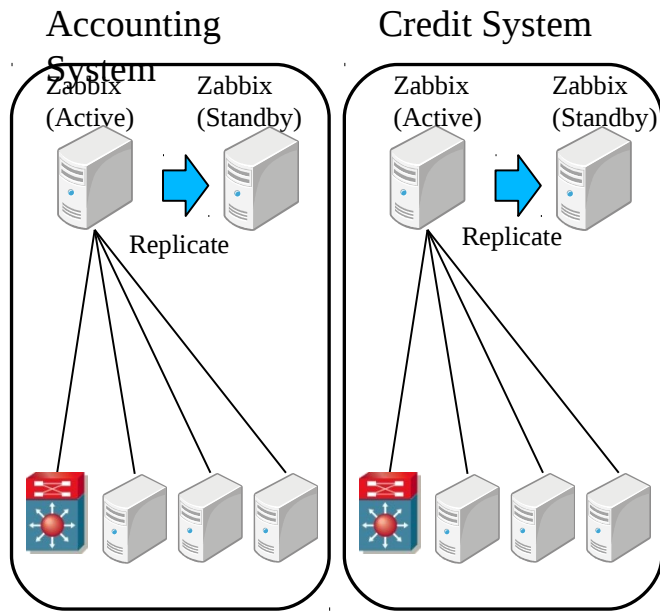　　- CPU ：Xeon E5540　(2.5GHz / 4core) 1CPU
　　- Memory ：12GB

User info

・Place：Osaka
・Special instruction ：This case example is for Telecom firm in Western Japan, and MIRACLE LINUX is building another system for Telecom firm in East Japan on a larger scale.

Feature
・Originally implemented Zabbix1.8.2 by System Integrator, and reimplemented Zabbix1.8.3 by MIRACLE LINUX in order to improve performance and avoid bug occurred with Zabbix1.8.2.
・Objects are number of 300 of NW switches , and Zabbix Server
・Monitoring：SNMP polling / ICMP Ping
・Increased system availability by Active-Active structure.(The base of this code was taken in Zabbix-1.8.12.)

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backup

Case study : Zabbix – Telecom industry(2)

Accounting System

Zabbix (Active) → Zabbix (Standby)

Replicate

Credit System

Zabbix (Active) → Zabbix (Standby)

Replicate

・・・

Objects：Server 1300 over,NW Switches 300

Zabbix Server：15 over

Zabbix server info

・Zabbix Version：Zabbix1.6.8/1.8.3
・OS ：CentOS
・ HW Spec：Differs for each service

User info

・Place ： Tokyo
・It was dispatched at a time to this project by several persons from the group company, and was in charge of introduction in the team.

・Special instruction
　- In order to unite with operation, the sort function of an obstacle, etc. are developed.

Feature

・Built Zabbix server for each service.
　→Since the scale was large, it divided into two or more servers.
・Supervisory service was replaced one by one over one year.　→　ML takes charge of development, education, and construction.
・Increased system availability by Active-Standby structure.(heartbeat, MySQL Replication)

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Case study : Digital Sign age

■Uniqlo :Flagship store in NYC
2011.Oct.14 Store open
in 5th ave

■Kaso (Cosmetics)
2011.Mar.3 Grand open
in Ginza, Tokyo

■Service station of high way
2011.Jun Renewal Open
at Food court