

A Story of Introducing PostgreSQL to a Small and Medium-sized Enterprise

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Today's story

- (1) Introduction about our company
- (2) The Two Big problems in SME
- (2) How to solve them
- (3) Why do I use OSS
- (4) Why do I use PostgreSQL
- (5) Introduce some cases about it.
- (6) Summary

Introduction about my company

- Employee 70 persons
- Trading company
- Dealing with tire equipments

Two Big Problems

In Small and Middle Enterprize

Not enough budget

No IT specialist

Never give up

No1

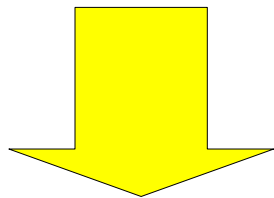
- We have the trump card
- **Open source Software**

No2

- If we study OSS with passion!
- **We introduce IT without IT specialist**

Why do I use OSS

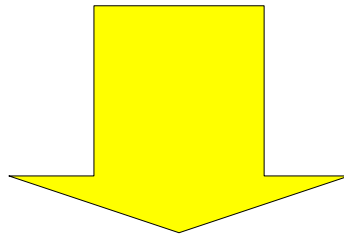
- In 2000
- Need for Internet connect
- Need to set Server



Outsourcing is very expensive

I faced difficult problem...

- If I gave up
- We could not get bussiness chance.
- I thought every day to discover a good idea

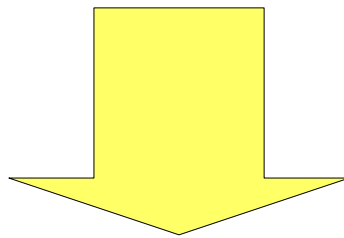


I could look for good idea!

I know that OSS is free

- If I study Linux , I can make server with low cost
- I tried to make a PC server with textbooks
- I am not an IT specialist , so it was very hard.
- But I could introduce the low cost server.

I notice



OSS is the best tool for SME

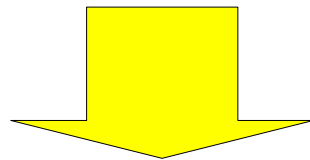
Why do I use PostgreSQL

In 2001 ,Web Search System

Before

- We provide Car Alignment data to customers
- Customers always ask data by telephone.
- We send the data to FAX at that time.
- It is very troublesome

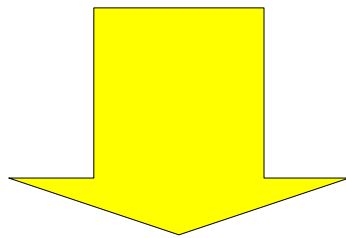
Solution



Web Search System

I had to introduce with low cost...

- Buy PC server by 100,000 yen(≐US\$1,000)
- Use PostgreSQL
- I can make Web Search System with low cost.
- But I had not used PostgreSQL.

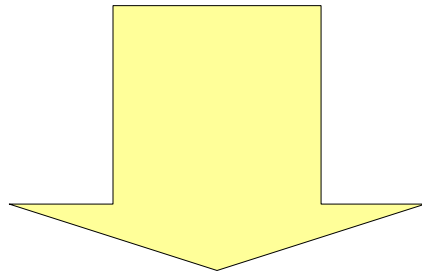


I tried to introduce PostgreSQL.

I began to study it.

“Try” is very important!

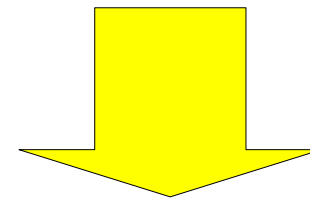
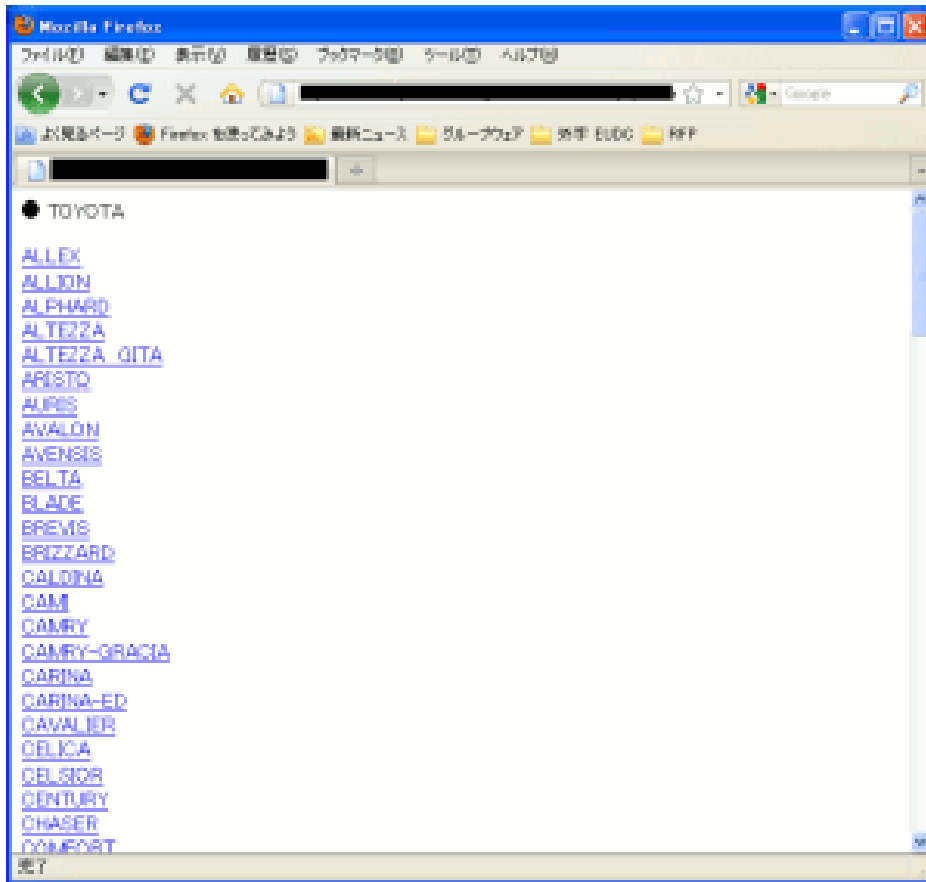
- learned how to install PostgreSQL
- I only use “SELECT” , “UPDATE” , “DELETE”
- I can only write easy SQL sentence.



I could make Web Search System!

Web Search System

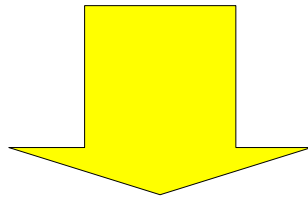
- can use 24 hours
- get data by mobile too
- easy to search data



Merits for customers!!

After Intoroducing system

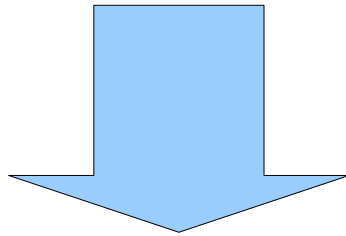
- Customers use Web Search System.
- Reducing call from customers.
- Reducing troblesome.



Raise business efficiency

The merits of introducing OSS

- Not only saving money
- But also get more business chances



Even if not enough budget

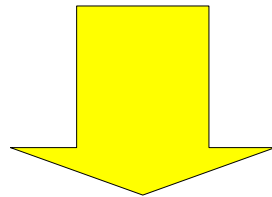
We can improve business.

Case2

Work Schedule System

Before

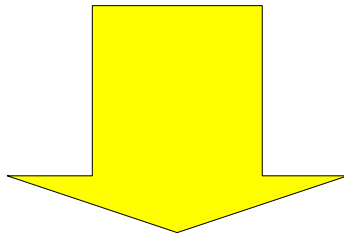
- Many co-workers tell Work-Schedule by e-mail
- Received e-mails increases year by year.
- Filing is very troublesome.
- Groupware is necessary .
- But it is expensive .



How do I solve this problem ?

I had to make system with low cost

- I looked for Free Work Schedule software.
- I could find it “pgcalendar”
- When using it , PostgreSQL is necessary



I introduced it soon!

pgCalendar + PostgreSQL

みんなのカレンダー

日付 2004年01月 先月 Today 来月

2004-01-22

月間
カレンダー

ログアウト

	日	月	火	水	木	金	土
1週	28 入力	29 入力	30 入力	31 入力	1 入力 ▶ 予定一覧	2 入力 ▶ 予定一覧	3 入力 ▶ 予定一覧
2週	4 入力	5 入力	6 入力	7 入力	8 入力	9 入力	10 入力 ▶ 予定一覧
3週	11 入力	12 入力	13 入力	14 入力 ▶ 予定一覧	15 入力 ▶ 予定一覧	16 入力 ▶ 予定一覧	17 入力 ▶ 予定一覧
4週	18 入力 ▶ 予定一覧	19 入力 ▶ 予定一覧	20 入力 ▶ 予定一覧	21 入力 ▶ 予定一覧	22 入力 ▶ 予定一覧	23 入力 ▶ 予定一覧	24 入力 ▶ 予定一覧
5週	25 入力 ▶ 予定一覧	26 入力 ▶ 予定一覧	27 入力 ▶ 予定一覧	28 入力 ▶ 予定一覧	29 入力 ▶ 予定一覧	30 入力 ▶ 予定一覧	31 入力 ▶ 予定一覧

みんなのカレンダー

日付 2004-03-22

月間
カレンダー

ログアウト

カレンダーに戻る

2004-01-10 のスケジュール情報

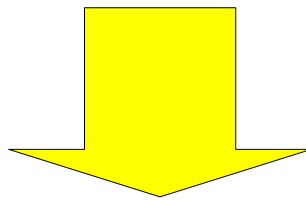
名前	内容	修正・削除
菅	西宮えびすへ福をもらいに行く。 商売繁盛！！	<input type="radio"/>
菅	酒蔵巡り	<input type="radio"/>

- Every co-worker use this system.
- released from e-mail filing
- Now applied to meeting room schedule system

I study PostgreSQL more

Before

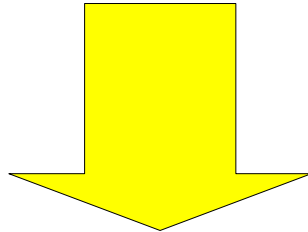
- Usage frequency is very low.
- I did not think database security
- I use only “SELECT” , “UPDATE” , “DELETE”



I did not know what transaction is ?

Usage frequency increases!

- Database security is getting important before
- If I ignore database security ,
- Data is not reliable
- It is big problem.

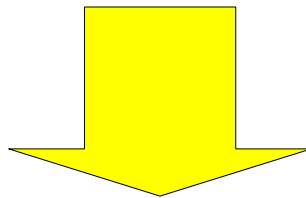


I must study PostgreSQL more!!

I studied...

- what transaction is
- what lock is
- what WAL is
- what PITR is

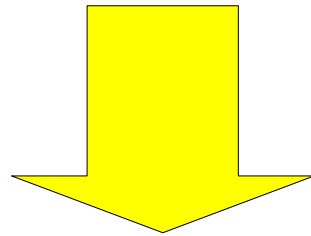
After study



I re-write programs used PostgreSQL

After study

- I know PostgreSQL more detail.
- I can make more secure program.
- Database security is better than before.



Even If we are not IT specialist ,
We can make reliable system.

Case3 Internet Shopping System

Before

- When Customers order tire items
- They call to our company every time.
- It is troublesome.
- Sometimes human errors occur

Need

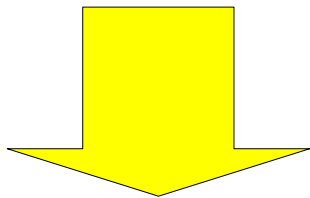
Extend market

EC-CUBE + PostgreSQL

What is EC-CUBE ?



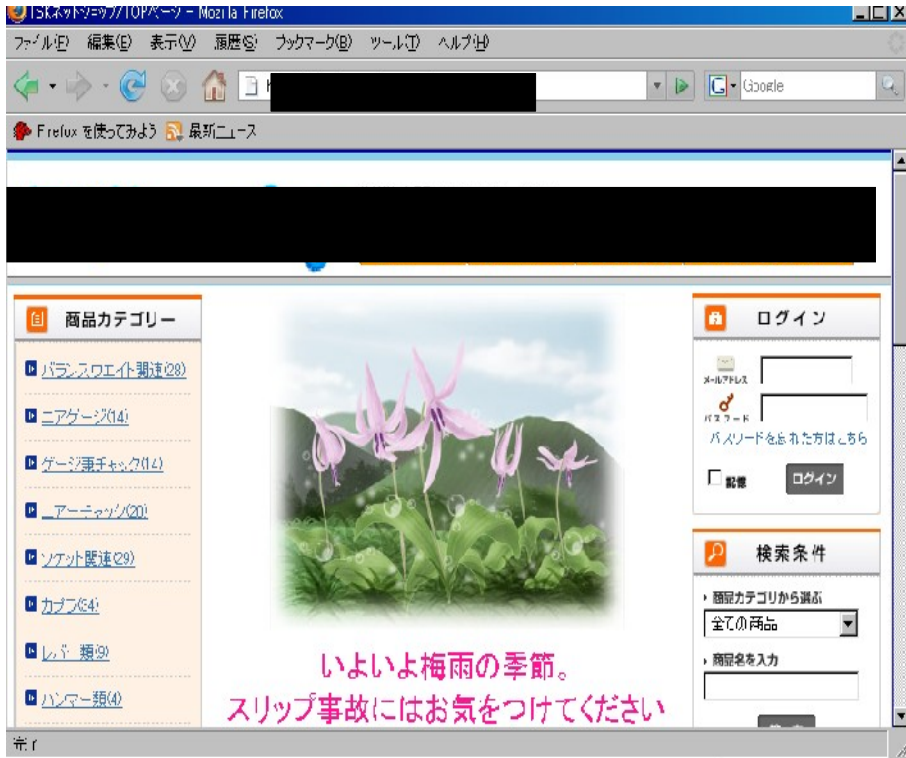
- Open Source EC site
- The Using database is PostgreSQL
- made in Japan.
- better for japanese bussiness practice.



I selected this software!

Our company's EC site

- Low cost
- High quality
- Easy to use



Now using customer increases .
improving bussiness chance!!

Summary

- OSS effects are very big for SME
- Not only saving money
- But also improving business

OSS and PostgreSQL bring SME big revolution!

- Even if there is no IT specialist
- We study OSS and PostgreSQL ourself
- We can introduce IT!!

I tell SME's persons “Yes we can!”

Thank you for listening