# Kimler Neden PostgreSQL Kullanıyorlar?



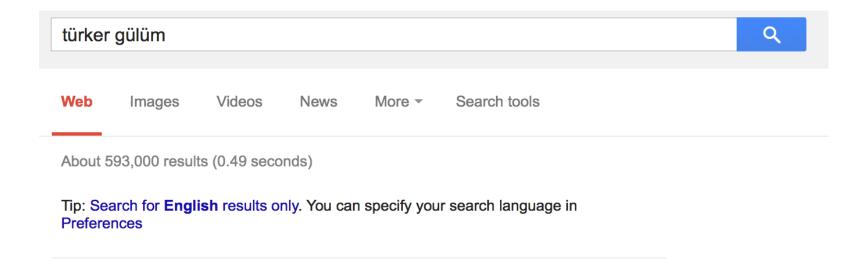
# Special Thanks!!

Magnus:)



#### Ben Kimim?

#### Türker Gülüm





#### **Profelis Kim?**

- Linux ve Güvenli Özgür Yazılım Geliştirme konusunda
  - ilk ISO 9001:2008
  - tek ISO 27001
- 2007 yılında kurulan
- Merkez Ankara
- 2012 yılında İstanbul Ofisi



#### Referanslar

























DMO















Toprak Mahsülleri Ofisi



















#### Referanslar





























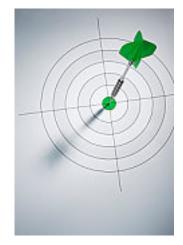








- Gandhi
- Leonardo Da Vinci
- William Shakespeare
- Newton
- Büyük İskender
- Florence Nightingale
- Mustafa Kemal
- Mandela
- Spartacus
- Darwin
- John F. Kennedy
- Churchill
- Copernicus





- Batman
- Superman
- □ Fred Çakmaktaş!!
- Sünger Bob
- □ Jerry?
- □ Tom ?





- Ne kullandığından haberi olmadan,
- Nasıl çalıştığını bilemeyeceği veritabanını kullanan,
- Kendisine verilen arayüz ile harikalar yaratacağını düşünen,
- Cengaverce cluster, replication ve backup konularına kafa patlatan ama beklediği sonuçları alamayan



Yaptığı yüklü sorgu sonrasında ilk kayda ulaştığında
'Adriaaan Adriaaan' diyebilen



 Ve PostgreSQL kullanmayan veritabanı yöneticileri ve bilişim yöneticileri



### Sıradan kurumlar ve sıradan projeler

- Sıradan bankalar, finans kuruluşları
- Sıradan devlet kuruluşları
- Kendi halinde üniversiteler
- İddiası olmayan sanayi kuruluşları
- Vasat özel şirketler



#### **ABN AMRO Bank**

- □ 1720 Mees & Zoonen + 1925 Slavenburgs Bank
- ABN = Algemene Bank Nederland
- AMRO = Amsterdam-Rotterdam Bank
- + Fortis Bank
- 2013 yılında 11 Milyar Euro mortgage kredisi vermiş
- 2013 yılında net karı 1.16 Milyar Euro
- **-** ....



## ABN AMRO Bank



#### **ABN AMRO Bank**

2012 yılından bu yana PostgreSQL kullanıyor



#### Santander Bank

1857 yılında kurulmuş

**▲** Santander

- □ 102 milyon mudisi var
- 2012 Greenest Global Bank ödülünü almış
- Gelirlerinin %37'si Avrupa'dan
- 2014 ilk 9 ayında açıklanan kar 2 Milyar Euro
- Geçen yılın aynı dönemine göre kar artışı %52
- 2012 yılından beri PostgreSQL kullanıyor



#### Caixa Economica Federal Banco

- 1861 yılında kurulmuş Brezilya Devlet bankası
- 26 milyondan fazla mudisi var
- 2.1 milyon işletme ve ticari hesaplar
- 2014 ilk 6 ayında 3.6 milyar işlem yapılmış
- 1961'den bu yana Ulusal Piyango İşletmesinin de sahibi
- 2010 yılından beri PostgreSQL kullanıyor



#### Fransız Devleti

- □ Kuruluş 843
- □ Nüfus 66 milyon
- GSYİH 2.15 trilyon ABD doları
- G7'den biri





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French government to use PostgreSQL and LibreOffice in free software adoption push

The plan could see up to 10 percent of money saved on proprietary software licenses reinvested in improving free software

By Peter Sayer | IDG News Service | Published 16:05, 25 September 12













French government agencies could

become more active participants in free software projects, under an action plan sent by Prime Minister Jean-Marc Ayrault in a letter to ministers, while software giants Microsoft and Oracle might lose out as the government pushes free software such as LibreOffice or PostgreSQL

#### Also in this channel





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#### Amerikan Devlet Kurumları

- NASA
- DoD = Department of Defense
- Federal Aviation Administration



#### Amerikan Devlet Kurumları

# US Government Agencies Turn to EnterpriseDB and Postgres to Slash Database Costs by 80%

#### **Release Date:**

Jul 23, 2013

The DoD, FAA and NASA are among the agencies that have adopted Postgres, meeting open source objectives while reducing costs

**Bedford, MA – July 23, 2013 –** Shrinking budgets and ongoing battles in Congress have prompted US government agencies to turn increasingly to open source database options like Postgres, many with the help of **EnterpriseDB**, to slash database costs by as much as 80 percent, the company announced today. EnterpriseDB, the leading worldwide provider of enterprise-class PostgreSQL products and Oracle database compatibility solutions, now works with more than 40 federal agencies with deployments of Postgres and EnterpriseDB products.

Federal agencies using Postgres include the Federal Aviation Administration (FAA), the National Aeronautics and Space Administration (NASA), the Department of Labor and multiple agencies throughout the Department of Defense (DoD). The number of government agencies among the more than 2,000 organizations in EnterpriseDB's customer base rose by 40% over the past year as chronic battles in Congress signaled that belt-tightening and deep cost cutting would become a long-term reality.

"EnterpriseDB slashes costs and reduces the risks inherent in migrating to a new database, and our government customers need our partnership to ensure success," said Ed Boyajian, CEO of EnterpriseDB. "In this time of fiscal budget crisis, government IT leaders are becoming heroes by moving from costly commercial databases to lower cost open source options without sacrificing on performance requirements. It just makes good sense for everyone."





4 Tips to Help CIOs Talk to CEOs about the Cloud . . . . .

Database EnterpriseDB: Federal Agencies Turn to PostgreSQL to Cut Costs

#### **EnterpriseDB: Federal Agencies Turn to PostgreSQL to Cut** Costs















EnterpriseDB announced that U.S. government agencies are moving to Postgres to cut costs as federal budgets tighten.

EnterpriseDB, a provider of enterprise-class PostgreSQL products and Oracle database compatibility solutions, announced that several federal government agencies are turning away from commercial database vendors to EnterpriseDB to cut their database costs.

Indeed, the company said shrinking budgets and ongoing battles in Congress have prompted U.S. government

agencies to turn increasingly to open-source database options like Postgres, many with the help of EnterpriseDB, to slash database costs by as much as 80 percent. EnterpriseDB now works with more than 40 federal agencies with deployments of Postgres and EnterpriseDB products.

The company made its announcement in conjunction with the O'Reilly Open Source Convention (OSCON).

Federal agencies using Postgres include the Federal Aviation Administration (FAA), the National Aeronautics and Space Administration (NASA), the Department of Labor and multiple agencies throughout the Department of Defense (DOD). The number of government agencies among the more than 2,000 organizations in EnterpriseDB's customer base rose by 40 percent over the past year as budget battles in Congress signaled that belt-tightening and deep cost cutting could become a long-term reality.



#### Üniversiteler

- University of Birmingham
  - 1900 yılında kurulmuş ve tüm öğrenci servisleri yıllardır PostgreSQL üzerinde koşuyor
- Oxford University
  - 1998 yılından beri PostgreSQL bilgisayar merkezinde kullanılıyor, 2014 yılında tüm kapalı kaynak kodlu veritabanlarının kullanımına son verip PostgreSQL'e geçiyorlar



#### Üniversiteler



MUST READ: Going global: The service that wants countries begging

F



# Oxford University's computer centre embraces PostgreSQL

**Summary:** The main computing centre at Oxford University has announced plans to drop its last commercial database and to move entirely to open-source database software



Topic: Apps

By Ingrid Marson | November 9, 2004 -- 15:38 GMT (07:38 PST)

Get the ZDNet Must Read News Alerts - US newsletter now

Oxford University Computing Services (OUCS), which provides services to staff and students around the university, will complete its move to open-source PostgreSQL as the back-end database for most of its systems over the next year.

Ray Miller, the systems development and support manager at OUCS, told ZDNet UK that the OUCS has been using PostgreSQL since 1998 and has at least eight PostgreSQL databases. At present it is running PostgreSQL 7.2 on Debian, the free Linux distribution. The OUCS uses Ingres as the back-end of a user registration system, but is due to migrate this to PostgreSQL in the next 12 to 18 months, said Miller.



#### Üniversiteler - Kendi haline olanlar!

- University of Birmingham
  - 1900 yılında kurulmuş ve tüm öğrenci servisleri yıllardır PostgreSQL üzerinde koşuyor
- Oxford University
  - 1998 yılından beri PostgreSQL bilgisayar merkezinde kullanılıyor, 2014 yılında tüm kapalı kaynak kodlu veritabanlarının kullanımına son verip PostgreSQL'e geçiyorlar
- University of Helsinki
- Oregon State University
- University of California!
- Vienna University of Technology
- Drexel University



# Sanayi Kuruluşları - İddiası olmayanlar

- Volvo
- Mitsubishi Electric
- Sony



# Sanayi Kuruluşları - İddiası olmayanlar

Sony Online Entertainment deploys EnterpriseDB's Postgres Plus Advanced Server to power the new Free Realms massively multiplayer online role-playing game

Release Date: Mar 24, 2009

Free, Family-Friendly Online Video Game Prepares for Launch; Sign-ups for Open Beta at FreeRealms.com

METUCHEN, N.J., March 24, 2009 - EnterpriseDB, the leading enterprise open source database company, today announced that Sony Online Entertainment LLC (SOE) is using EnterpriseDB's award-winning Postgres Plus Advanced Server database to power its new massively multiplayer online role-playing game (MMORPG), Free Realms. The free online virtual world for all members of the family has entered closed beta and is currently accepting applications for beta testers at <a href="https://www.freerealms.com">www.freerealms.com</a>. More information about EnterpriseDB and free downloads of EnterpriseDB's award-winning Postgres Plus products are available at <a href="https://www.enterprisedb.com">www.enterprisedb.com</a>.



# Sanayi Kuruluşları - Özel Sektör

- Volvo
- Mitsubishi Electric
- Sony
- MasterCard
- Basf
- Affymetrix
- The Cloud
- StateFarm



### PostgreSQL ile kullanılan ürünler ve projeler

- NetIQ Sentinel
- IBM Qradar
- McAfee GroupShiels
- BalaBit Shell Control Box
- Bacula
- Handy Backup
- PostERP
- OpenERP (Odoo)
- Xtuple
- AskBot
- Bugzilla
- eGroupware



#### Ortak Nedenler ve Beklentiler

- Maliyet (Toplam sahip olma maliyeti)
- Performans
- Kolay kurulum ve yönetilebilirlik
- Platform bağımsız olması
- Özgür yazılımın sahipli yazılıma üstünlükleri
- Güvenlik
- Geliştirici desteği
- Ölçeklenebilirlik
- HA özellikleri



#### Ortak Nedenler ve Beklentiler

- Maliyet
  - Kurulum maliyeti
    - Yeni kurulum
    - Başka bir VTYS'den taşıma
  - Bakım maliyeti
    - In-house
    - Outsource
  - Öğrenme maliyeti
  - Gelişim maliyeti (!)



#### Ortak Nedenler ve Beklentiler

	PostgreSQL	Başka bir VT
Yeni Kurulum Maliyeti	5-7	10
Göç – Taşıma Maliyeti	5-7	?
Bakım Maliyeti (In-house)	4-5	10
Bakım Maliyeti (Outsource)	3-4	10
Öğrenme Maliyeti	1-4	10

TSM ~%77





#### **Ortak Sorular?**

- Destek Alabilecek miyim?
  - Evet alabileceksiniz
  - 5x9, 5x12, 7x24 veya çağrı başına
  - Kim kuracak?
  - Kim eğitecek?
  - Kim izleyip, başarımı yönetecek?









# Özetlemek Erdemdir

Doç. Dr. Özgür Özpeynirci (2006)





