

Reducing O&M Software Costs

Using Open Source Software



Using Open Source Software

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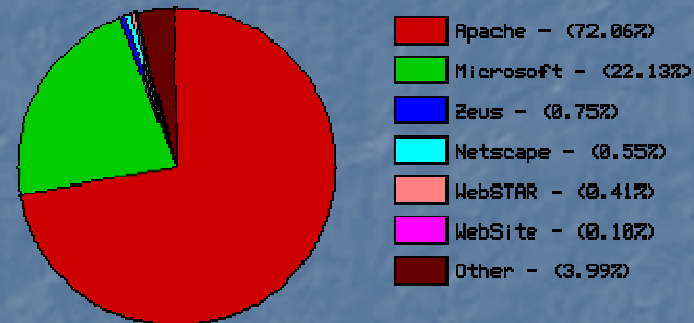
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Who uses Open Source Software?

- Microsoft
- Novell
- Cisco
- Just about every software product
- 72 % of all Internet Web Sites

Market Share for August 2005 - Across All Domains



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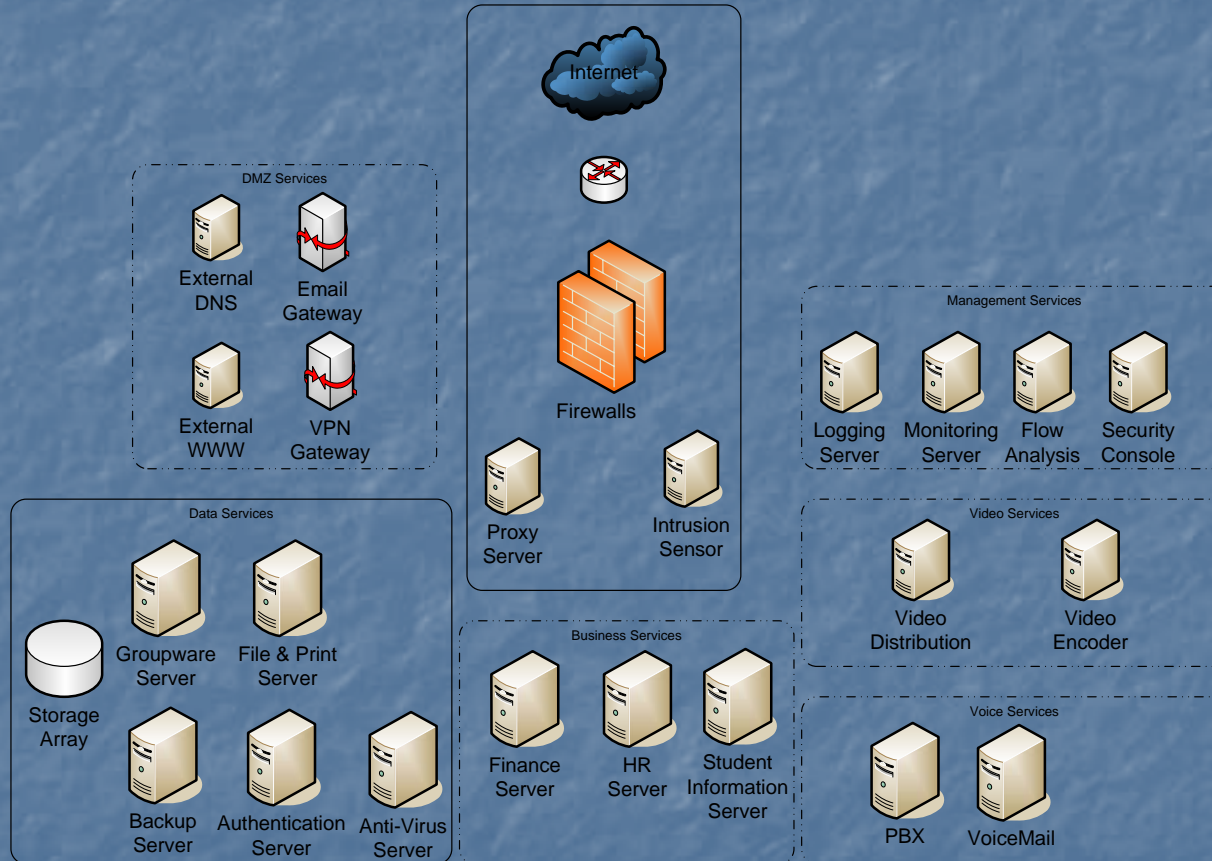
Why do THEY use it?

- It's free (as in speech/as in beer)
- It's stable
- It's audited (secure)
- It's supported

Why Should YOU use it?

- It's free (as in speech/as in beer)
- It's stable
- It's audited (secure)
- It's supported (free & paid)

Where Can I Use It?



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Where Can I Use It?

- Internet Services
 - Routers
 - Firewalls
 - Proxy Server w/content filtering
 - Intrusion Detection Server

Where Can I Use It?

- DMZ Services
 - Mail Gateway (anti-spam/anti-virus)
 - VPN Gateway
 - External DNS
 - External WWW

Where Can I Use It?

- Management Services
 - Intrusion Detection Sensors
 - Security Console
 - Centralized Logging and Analysis
 - Fault Monitoring
 - Performance Monitoring
 - Configuration Library

Where Can I Use It?

- Video Services
 - Encoders
 - Distribution
 - Players

Where Can I Use It?

- Voice Services
 - PBX
 - Voice Mail
 - Voice Conferencing

Where Can I Use It?

- Data Services
 - Backups
 - File & Print Services
 - Authentication Services
 - Groupware – e-mail/calendar/todo
 - Database Services

Where Can I Use It?

- Business Services
 - Financial Services
 - HR Services
 - Student Information Service

The End

- Thank you for coming!
- Please fill out the Speaker Evaluations
- The Presentation can be found at:
<http://www.engineered-net.com/Library>
- The winner is...

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 - Linux: <http://www.linux.org/dist/index.html>
 - Firewall
 - PF (*BSD): <http://www.openbsd.org/faq/pf/index.html>
 - IPTables (Linux): <http://www.netfilter.org/>
 - Proxy server
 - Squid: <http://www.squid-cache.org/>
 - Oops: <http://oops-cache.org/oops.eng/index.html>
 - Content Filtering
 - SquiGuard: <http://www.squidguard.org/>
 - Dan's Guardian: <http://dansguardian.org/>
- DMZ Services
 - Mail Gateway (anti-spam/anti-virus)
 - Maildroid: <http://www.maildroid.org/>
 - VPN Gateway
 - OpenVPN: <http://openvpn.net/>
 - External DNS
 - BIND: <http://www.isc.org/index.pl?sw/bind/>
 - External WWW
 - Apache: <http://www.apache.org/>

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 - Security Console
 - Nessus: <http://www.nessus.org>
 - Squil: <http://www.squil.org>
 - Centralized Logging and Analysis
 - Kiwi: <http://www.kiwisyslog.com/>
 - Swatch: <http://swatch.sourceforge.net/>
 - SEC: <http://kodu.neti.ee/~risto/sec/>
 - Fault Monitoring
 - Nagios: <http://www.nagios.org/>
 - Performance Monitoring
 - Cricket: <http://cricket.sourceforge.net/>
 - Torrus: <http://torrus.org/>
 - Cacti: <http://www.cacti.net/>
 - Configuration Library
 - Tftp
 - RCS
 - CVS: <http://www.nongnu.org/cvs/>
 - Subversion: <http://subversion.tigris.org/>

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 - Student Information Service
 - Centre: <http://www.miller-group.net/>