

Transformation of Free Software into Libre Services

Overview of By* Family of Libre Services

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<http://www.neda.com/Records/0710201>

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Beyond Free Software

- We have won the Free Software battle

Proprietary Software Already Lost

We Demonstrated Two Things:

- 1) Model: Free/Libre is Superior to Proprietary
- 2) Implementation: GNU/Linux is Superior to Windows

Free Software is Just the Tip of the Iceberg

This Same Power Has A Lot More To Offer

After Free Software What Should Be Next?

Free Society

Of Course, Ultimately, Eventually

But, What Should We Free/Libre Next?

Our Next Conceptual Battle Ground

- Proprietary Software
- Has Become
- Proprietary Internet Application Services
- Free Software
- Becomes
- X

X = Libre Services

Our Next Implementation Battle Ground

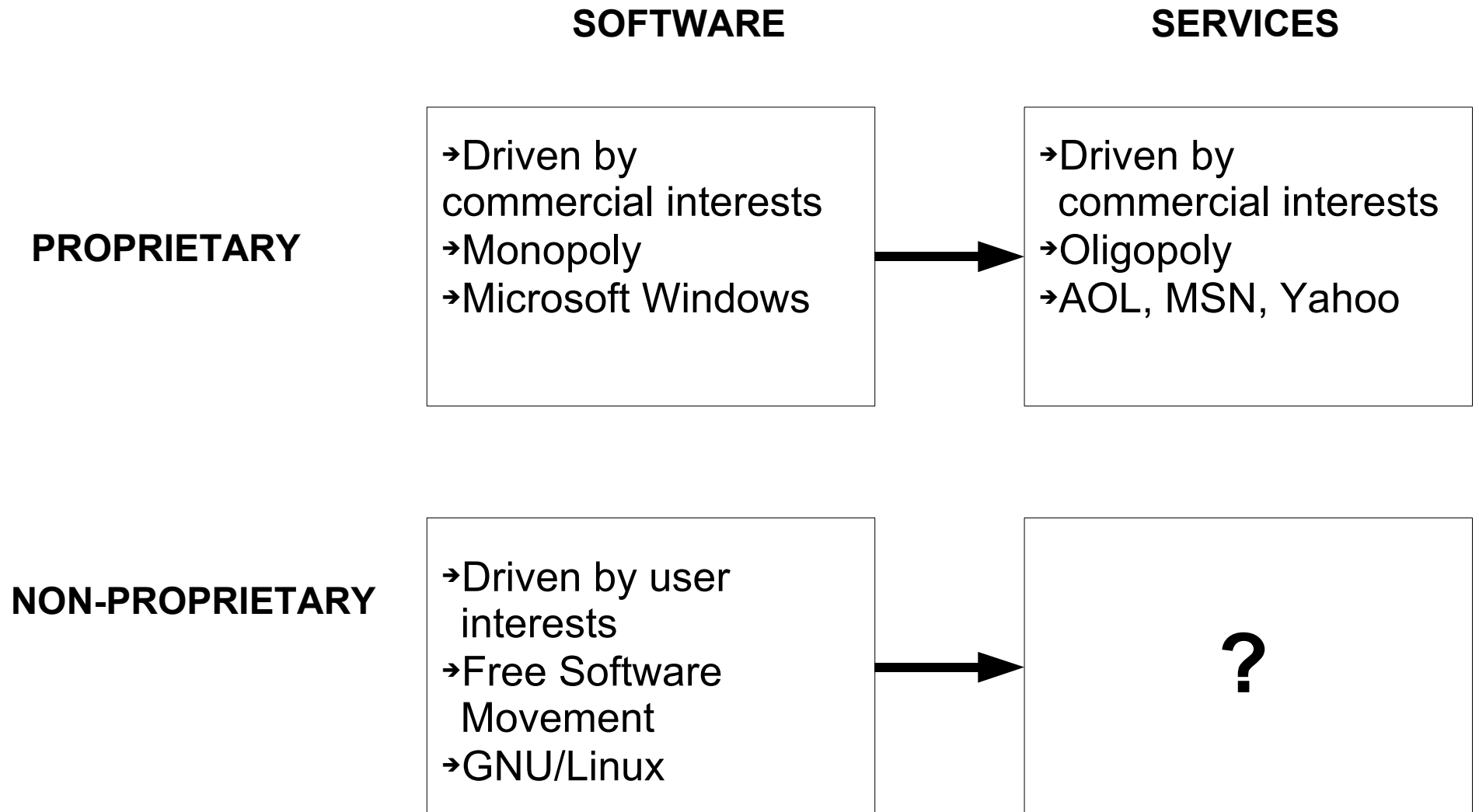
- MS Windows Users
- GNU/Linux Users
- Now Use
- Want to Use
- MSN/AOL/Yahoo/...
- Y/Z/...

Y=By* Libre Services

Z=Craig's List

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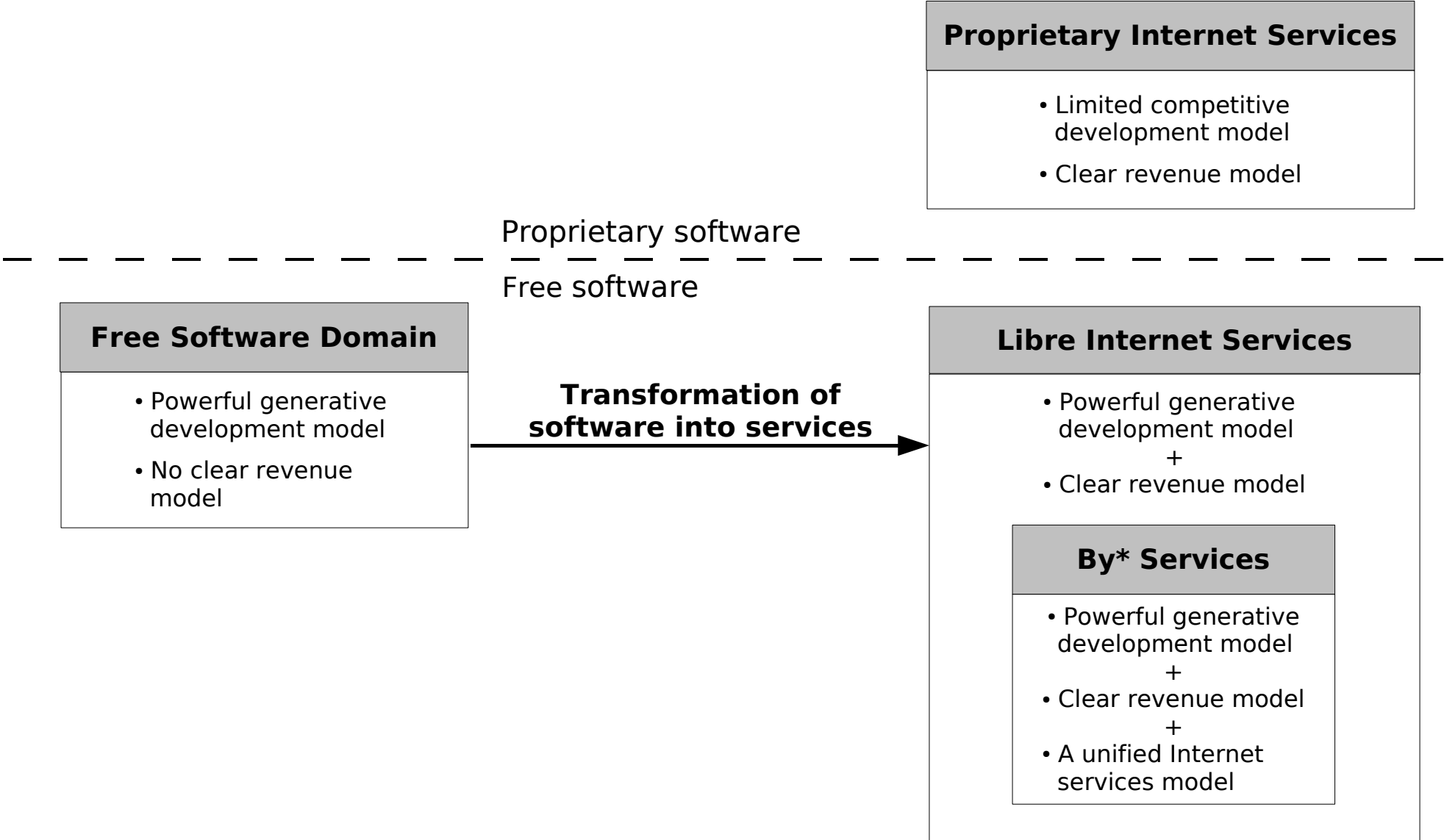
Proprietary and Non-Proprietary Presence



Libre Services

**A non-proprietary model
for
delivery of Internet services**

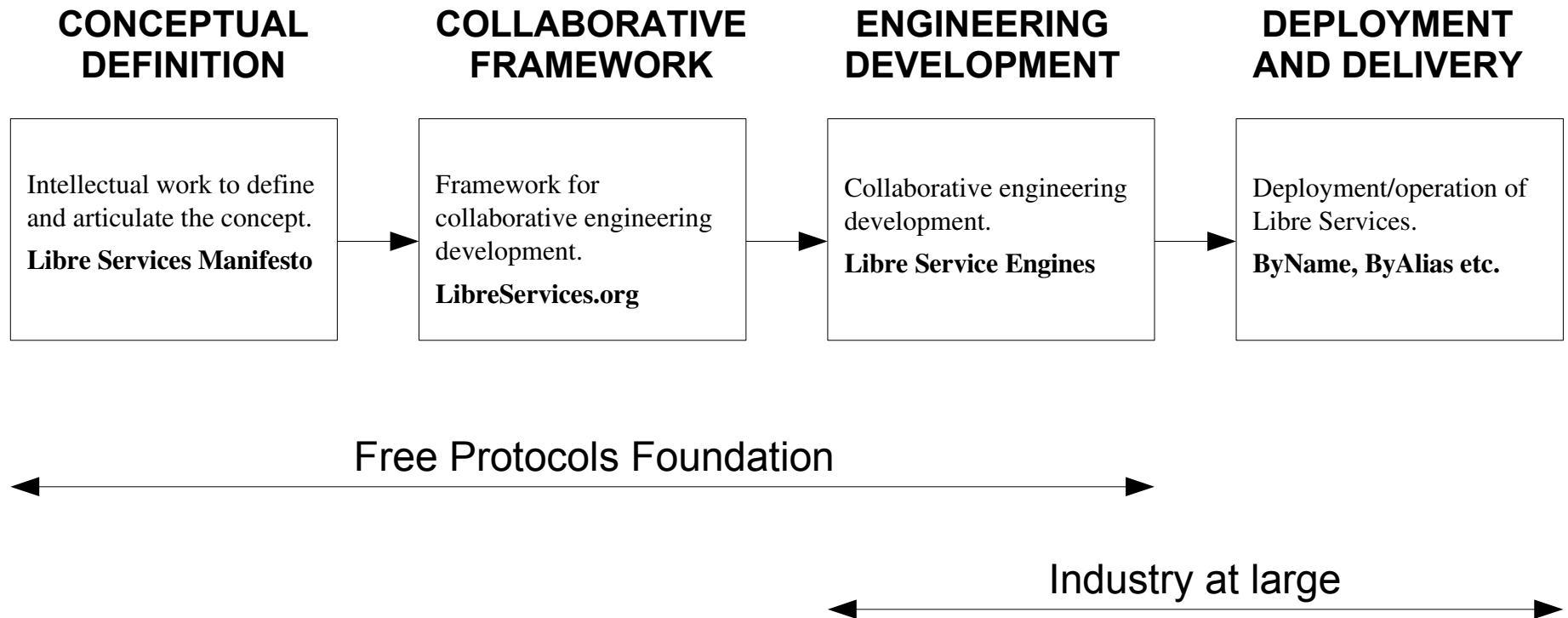
From Free Software to Libre Services



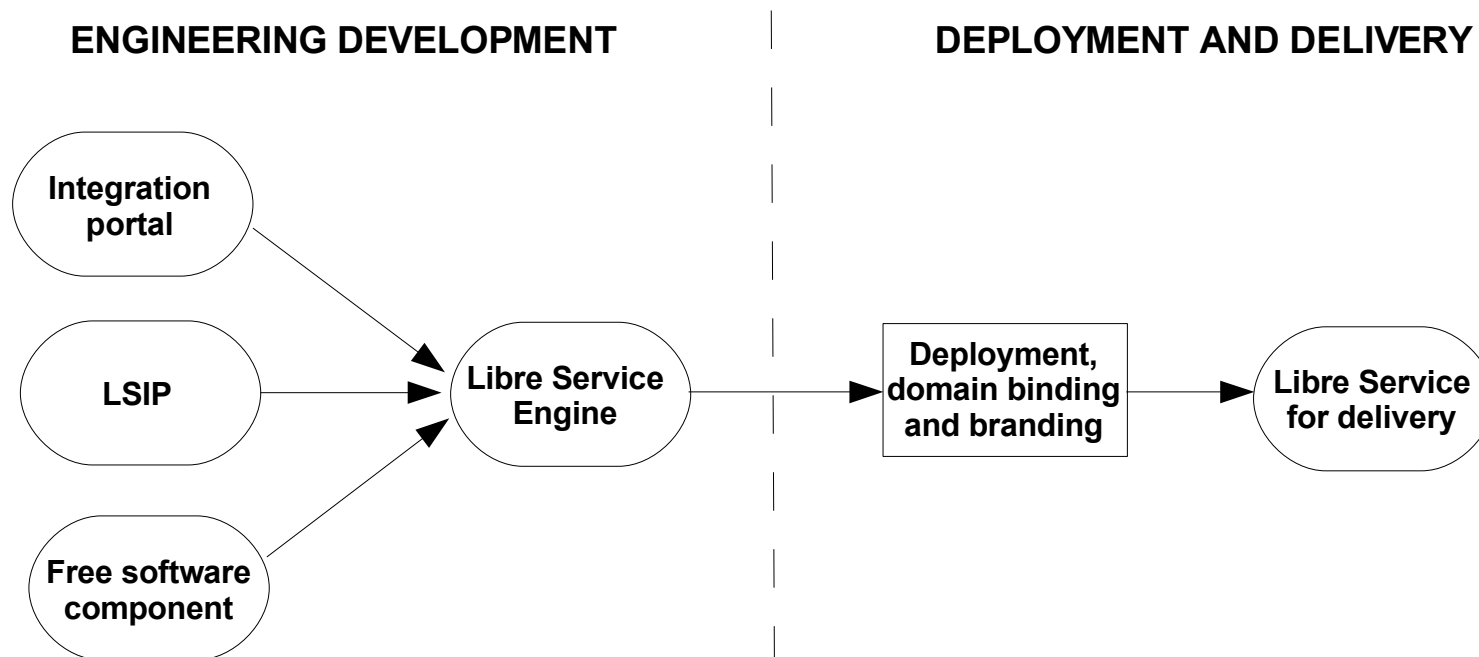
For Profit and Non-Proprietary Not Traditional but Healthy

	For Profit	Non-Profit	
Proprietary Model	Traditional: Microsoft AOL Yahoo	Conflicted: Wap Forum ...	Copyright Patents Secrecy
Non-Proprietary Model	New: Free Software Bus Redhat, ... Libre Services Bus Neda,	Traditional: FSF IETF FPF	Copyleft Knowledge Sharing Openness
	Pro-Business	Pro-Public	

From Concept to Reality



Transformation of Free Software into Libre Services

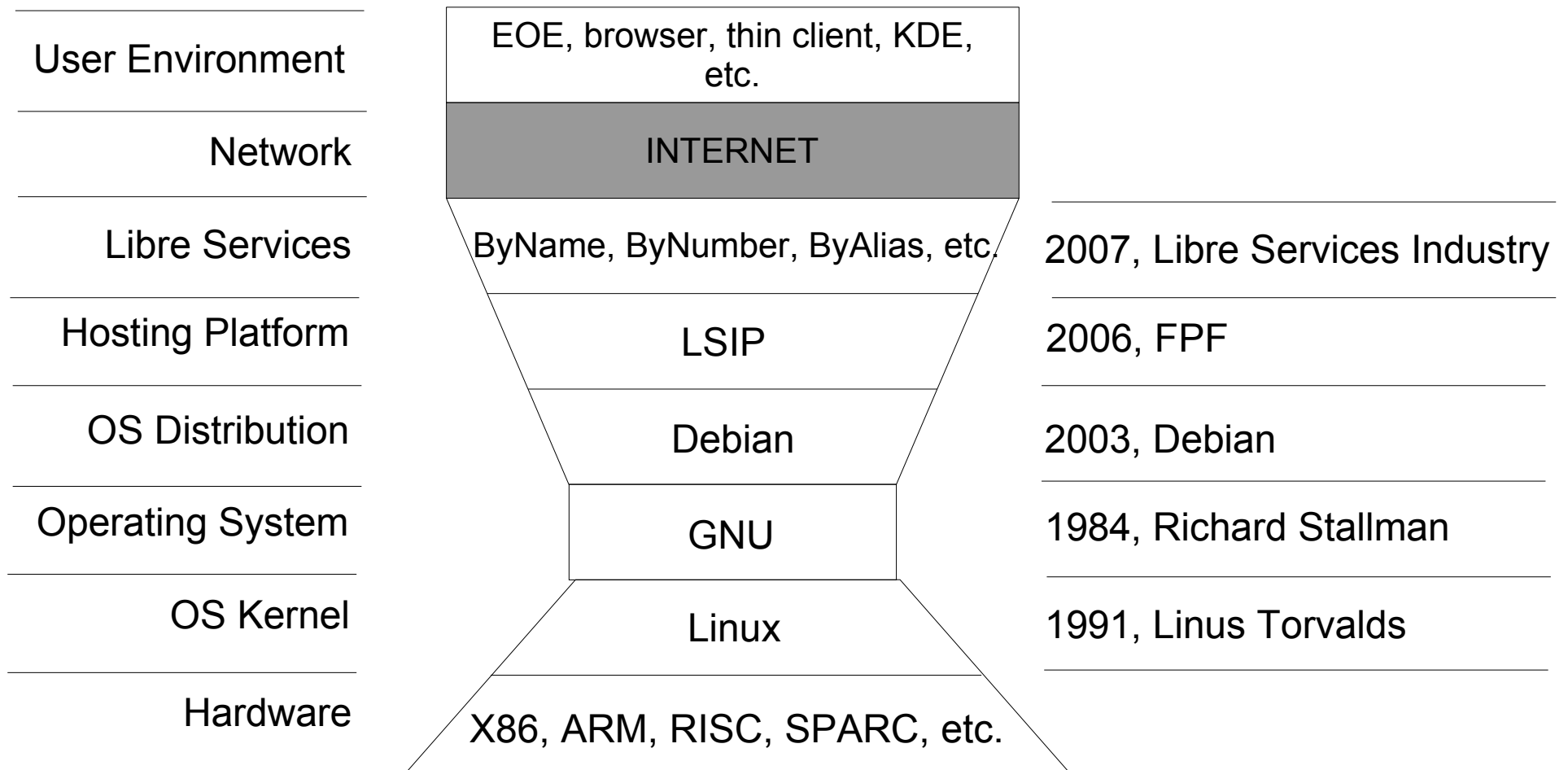


Libre Services Engines

More than LAMP

- Rudimentary Manifestations
 - LAMP
 - Linux – Apache – MySQL – Perl/PHP/Python
 - Savannah and Savane
 - Wikipedia and Mediawiki
 - Can we do better than that?
 - Expand it
 - Formalize it
 - Make it be cumulative

The Foundation Is Now In Place



Technically Speaking

By* Libre Services Components

- Debian GNU/Linux
- Base: djbdns, daemontools, ucspi, multilog, ...
- Mail: qmail, courier, spamassassin, ezmlm, ...
- Web: apache, zope, plone, ...
- Misc: postgres, mysql, Interchange, ...
- Glue: Libre Services Integration Platform (LSIP)

Libre Services Requirements

A Libre Service must be:

- 1) Entirely made of Open Source & Free Software Components
- 2) Entirely based on Patent Free Protocols
- 3) The entire integration software must be Free Software

Resulting into the entire service being reproducible and modifiable based on source code.

Separation of Responsibility: FPF and Neda

Free Protocols Foundation

<http://www.freeprotocols.org>

- Non-Proprietary
- Non-Profit
- Responsibilities:
 - Libre Services Concept
 - Facilitate Engineering and Develeopment
 - Industry Promotion

Neda Communications, Inc.

<http://www.neda.com>

- Non-Proprietary
- For Profit
- Responsibilities:
 - Initial Libre Services
 - Deployment and Delivery
 - Business Model Promotion

Libre Services: Bootstrapping an industry

A project-based model for participation

<http://www.libreservices.org/libreManifesto/projectsForBootstrapping>

What is the By* Family

- By* is a coherent framework for enabling complex interactions among people, businesses and information.
 - Small and Medium Businesses: ForSMB.net
 - Individuals: ByName.net, ByAlias.net, ByMemory
 - Places and Events: ByWhere.net, ByEvent.net
 - Information: ByTopic.org
 - For Interactions: ByInteraction.net

By* features and capabilities

- A named entity domain
- A public website – My Internet
- An expanded web site for friends – My Extranet
- A private portal – My Intranet
- e-mail, e-fax, ...
- Blogs
- Photo Gallery
- GeneWeb

By* Naming principles

Take full advantage of the Domain Notation depth.

mohsen.banan.1.byname.net

forRent.1-98008-5765-05.bywhere.net

By* Services Overview

Service Type	Service Name	Description
For business	www.BySMB.com www.ForSMB.com	Internet services for small-to-medium businesses.
For individuals	www.ByName.net www.ByName.com	ByName provides a complete set of Internet services for the individual user.
	www.ByNumber.net www.ByNumber.com	A similar set of services to ByName, but based on a numerical ID assigned to the user instead of the user's name.
	www.ByAlias.net www.ByAlias.net	A similar set of services to ByName, but based on an alias instead of the user's real name.
	www.ByMemory.net www.ByMemory.com	Services for preserving the memory of deceased persons.
For places and events	www.ByWhere.net	Services relating to physical locations.
	www.ByEvent.net	Services relating to events.
For information	www.ByTopic.net	Services for publication of information organized by topic
For making things happen!	www.ByInteraction.net	ByInteraction enables transactions involving persons, business, places and things.

Instance Examples

Service Type	Domain Name	Description
ForSMB/BySMB	www.neda.com	A software development and Internet services company. An extensive and comprehensive website with over 100 pages. Technologies: Jetspeed, Tomcat, Gallery.
	www.NewDinnerware.com	An online store selling fine porcelain tableware. Includes standard e-retail features: shopping cart, checkout, credit card payment. Technology: Interchange
	www.TalkToUS.org	A non-profit organization promoting better international understanding. Enables communication via short personal video messages. Technologies: Jetspeed, Gallery, streaming video
	www.PinaMotorsports.com	An auto repair and specialized auto customization shop. Technologies: Plone/Zope, Interchange, Gallery
	www.Payk.net	A non-profit organization for grassroots communication among Iranians. Technologies: Plone/Zope, Gallery
	www.AllMuslimCemetery.org	An Islamic cemetery. Related to ByMemory; many gravesites have associated ByMemory memorials. Technology: Plone/Zope.
	www.LibreServices.org	A non-profit forum and resource center for development of Libre Services. Technology: Plone/Zope
	www.BySource.org	Free Software distribution center
ByMemory	yazdan.1.banan.bymemory.net	A memorial site. Includes a genealogy and photo gallery; multilingual. Technologies: Plone/Zope, GeneWeb, Gallery
ByName	mohsen.banan.1.byname.net	A personal website for a professional engineer. Includes a genealogy and photo gallery; multilingual. Technologies: Plone/Zope, blog, GeneWeb, Gallery
ByWhere	info.1-98008-5807-10.bywhere.net	A ByWhere site used to provide address and driving directions. Technologies: Apache, Gallery
	ForRent.1-98008-5765-05.bywhere.net	A ByWhere site used to provide house rental information. Technologies: Apache, Gallery

Current Status

Service	Status	Comment
www.ByName.net www.ByName.com	Pre-operational	Major functionality complete and approaching operational deployment. Component of Stage C deployment; in progress.
www.ByNumber.net www.ByNumber.com	Pre-operational	Major functionality complete and approaching operational deployment. Component of Stage C deployment; in progress
www.ByAlias.net www.ByAlias.com	Limited usage	Major functionality complete. Undergoing usage and usability testing. Component of Stage C deployment; in progress
www.ByMemory.net www.ByMemory.com	Operational	Operational with all basic features and functionality. Component of Stage C deployment; in progress
www.BySMB.com	Operational	BySMB functionality is complete and operational, allowing website creation under the custom development model. See By* Instance Examples for active websites. Component of Stage B deployment; complete.
www.ForSMB.com	Operational	ForSMB functionality is complete and operational, allowing website creation under the self-service model. Component of Stage B deployment; complete.
www.ByWhere.net	Prototype	Working prototype complete. See By* Instance Examples for demonstration websites. Component of Stage D deployment; future.
www.ByEvent.net	Concept only	At concept level only, with no functionality yet implemented. Component of Stage E deployment; future.
www.ByTopic.net	Prototype	Working prototype complete. Complete of Stage E deployment; future.
www.ByInteraction.net	Concept only	At concept level only, with no functionality yet implemented. Component of Stage D deployment; future.
www.BySource.org	Limited usage	Basic functionality complete. Undergoing usage and usability testing.
www.ByBinary.org	Limited usage	Basic functionality complete. Undergoing usage and usability testing.

Benefits to Society

- Engineered for the user, not for business
- Civil liberties: Services operated by the user for the user
- Privacy and security
- Service stability and continuity
- Complex integration of user environments with services

An Invitation to Participate

- Engineering
- Business
- Grantmaking foundation
- The investment community
- The academic community
- The media

Conceptual Foundations

