Transformation of Free Software to Libre Services

By* Family of Libre Services

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http://www.neda.com/content/generated/doc.free/neda/Records/0704281/LinuxFest/accessPage.html

What Are We Talking About?

- A New Model for

    Internet Application Services

- Addressing Communication and Computing needs of Individuals and Businesses with a focus on

    Freedom and Liberty

- Scope: Philosophy, Engineering, Business, Societal

- Replacement Free/Libre Model for the likes of:

    Yahoo, MSN, Google, AOL, ...

Outline

- Lessons From the Free Software Movement

- Transformation of Software into Services

- The Libre Services Concept

- Realization of Libre Services

- The By* Family of Libre Services

Quick Historic Review of Free Software

- The GNU Manifesto
- AT&T Unix – BSD Unix
- GPL
- Emacs/GCC/GDB/...
- Old Internet – Reference RFC implementations
- Open Source
- Linux
- Redhat, ...
- .com to dotCon Bubble

Key Lessons of
The Free Software Movement

- The Need for a "Movement"

- Focus on producing good Free Software

- Focus on the License

- To Real Engineers, money is not everything

- Lead the Definition of the Model and Terminology

- Continously Feed the Collaborative Model

- Know the Enemy – Proprietary Monopolies

- Extend the Domain -- Music, Video, Documentation

Beyond Free Software

- We have won the Free Software battle

    Proprietary Software Already Lost

- Software to Services transformation is pervasive

Next battle front:

    Proprietary Internet Application Services

Internet Application Services
Problem Statement

- Wrong Model – Proprietary
  - Proprietary
    - Owned by Service Providers – Who owns data?
  - Controlled
    - Governance by Commercial Interests – Who controls data?
- Mis-Organized
  - Ad Hoc – Undesigned
  - Short Term Profit Driven

By* Libre Services

Problem:

- Proprietary

- Mis-Organized

Solution:

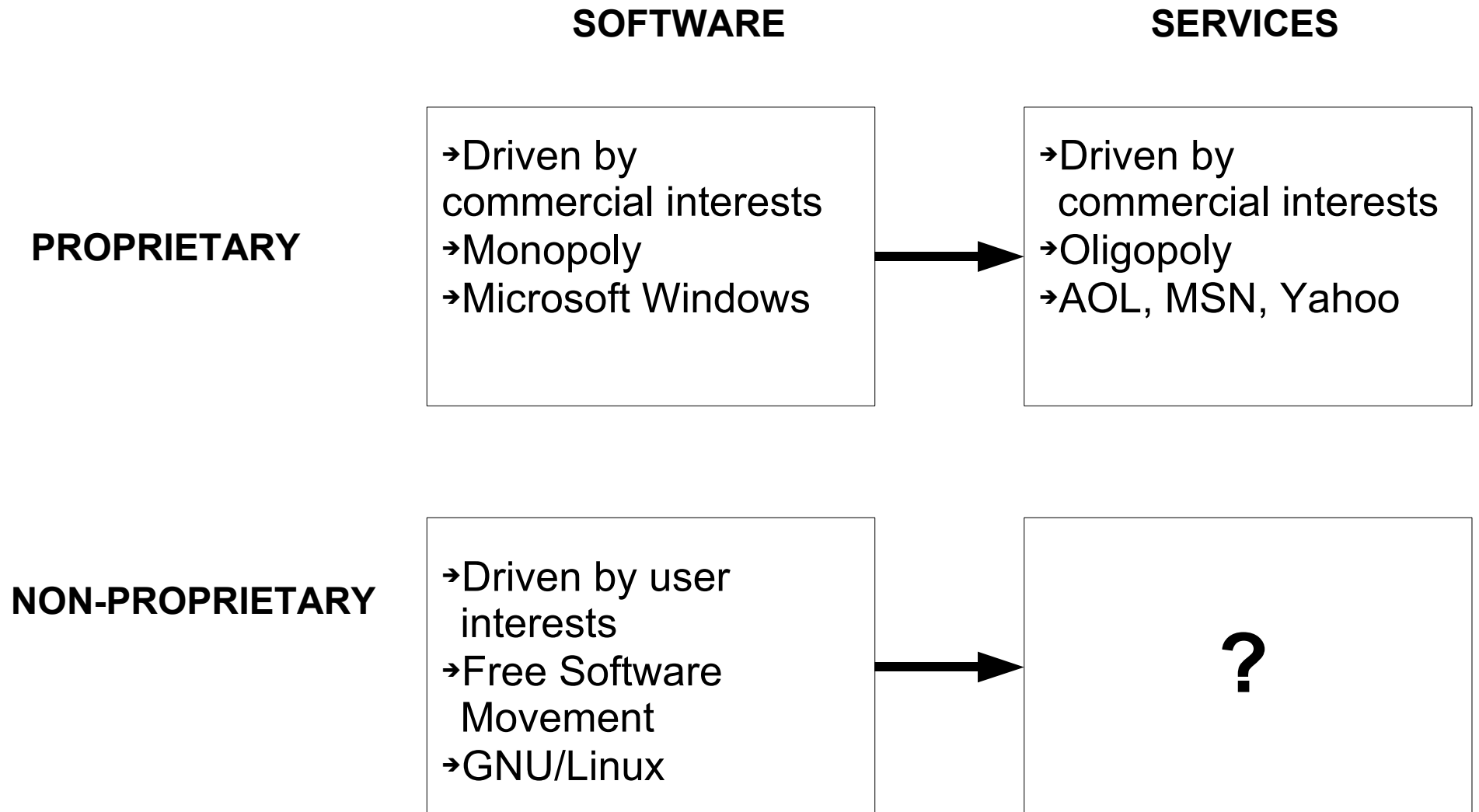- Libre Services

- By* Family

Libre Services

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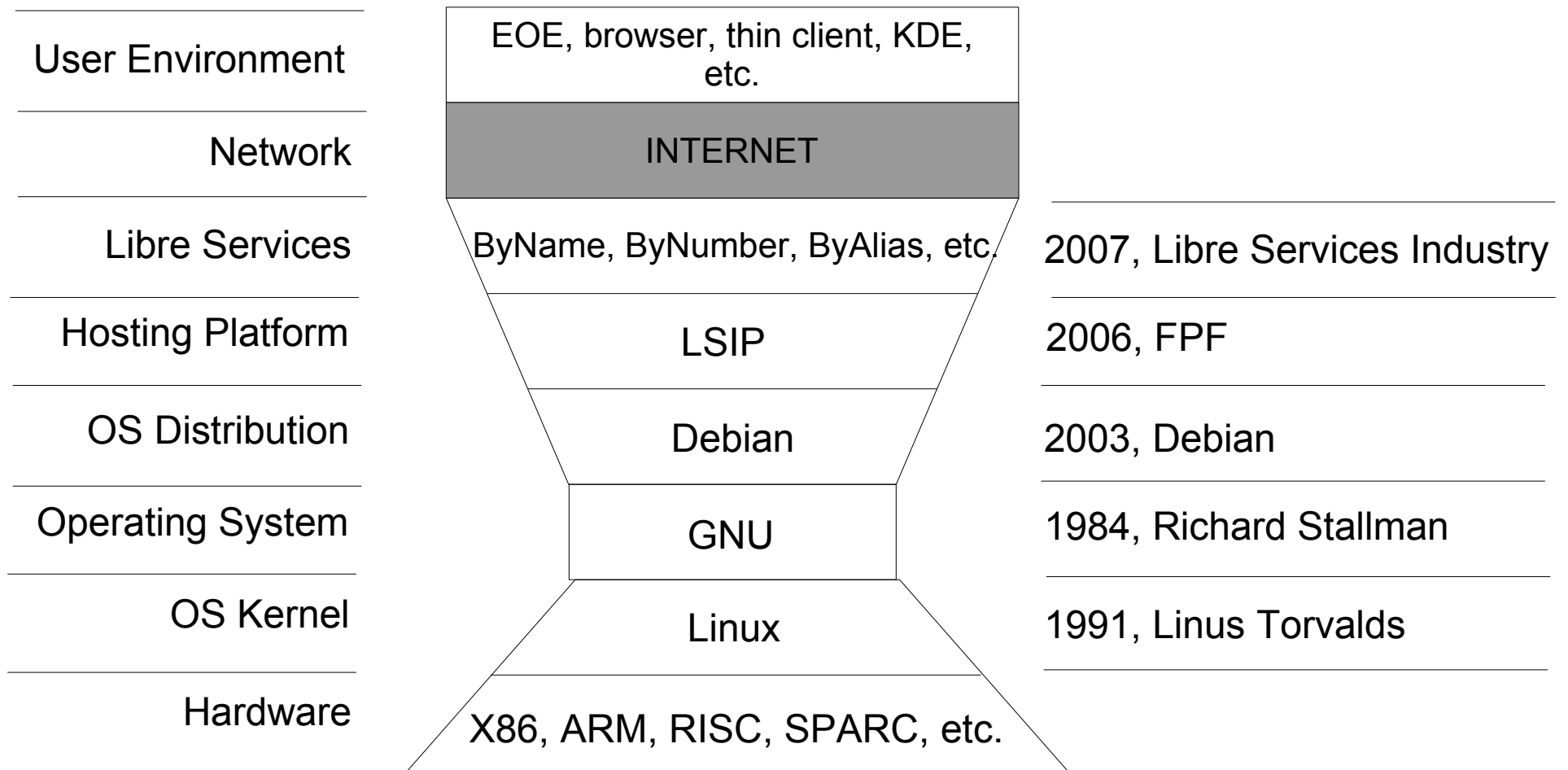for
delivery of Internet services**

Proprietary and Non-Proprietary Presence

	SOFTWARE	**SERVICES**
PROPRIETARY	➜Driven by commercial interests ➜Monopoly ➜Microsoft Windows	➜Driven by commercial interests ➜Oligopoly ➜AOL, MSN, Yahoo
NON-PROPRIETARY	➜Driven by user interests ➜Free Software Movement ➜GNU/Linux	**?**

The Subscriber Services Industry

- The industry today

- Domination of the proprietary model

- The problem: Governance by commercial interests

- The solution: Free software presence in the services domain

Context for Libre Services

User Environment	EOE, browser, thin client, KDE, etc.	
Network	INTERNET	
Libre Services	ByName, ByNumber, ByAlias, etc.	2007, Libre Services Industry
Hosting Platform	LSIP	2006, FPF
OS Distribution	Debian	2003, Debian
Operating System	GNU	1984, Richard Stallman
OS Kernel	Linux	1991, Linus Torvalds
Hardware	X86, ARM, RISC, SPARC, etc.	

Technically Speaking

- GNU/Linux

- Debian

- Libre Services Integration Platform (LSIP)
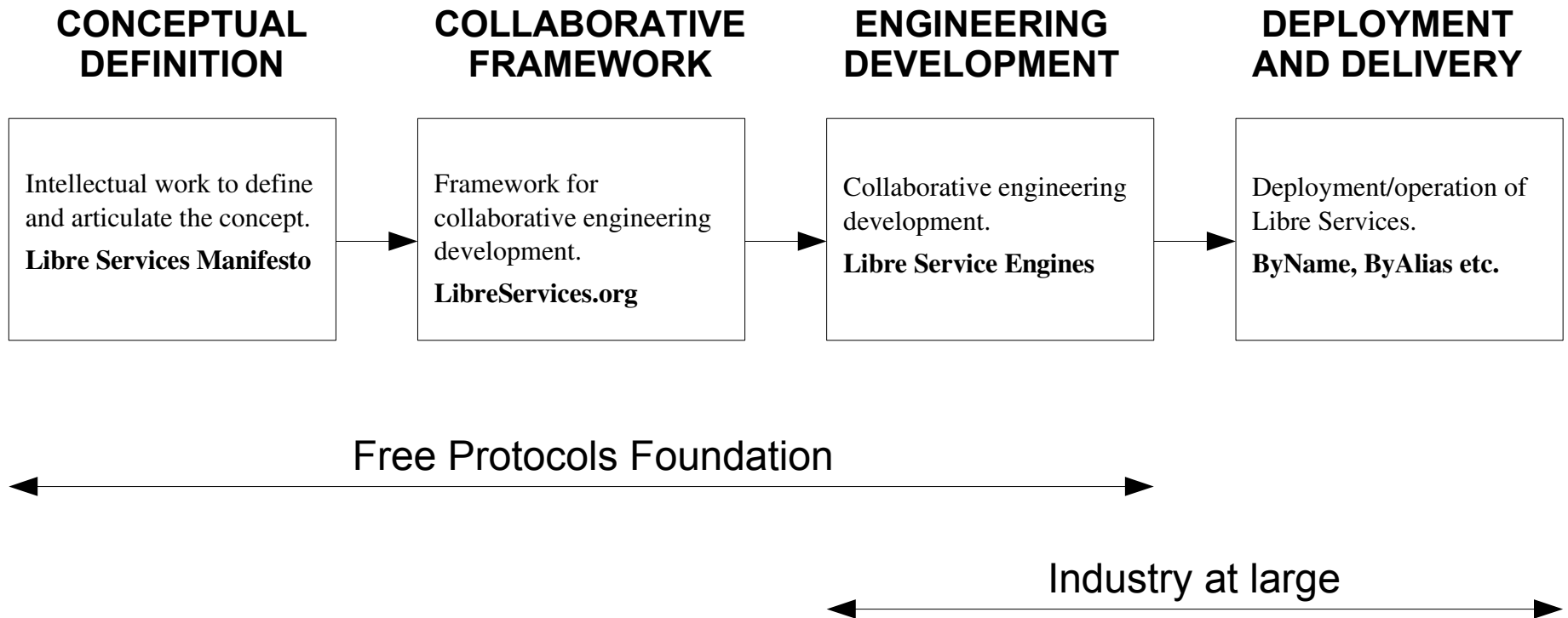
- User Environments

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
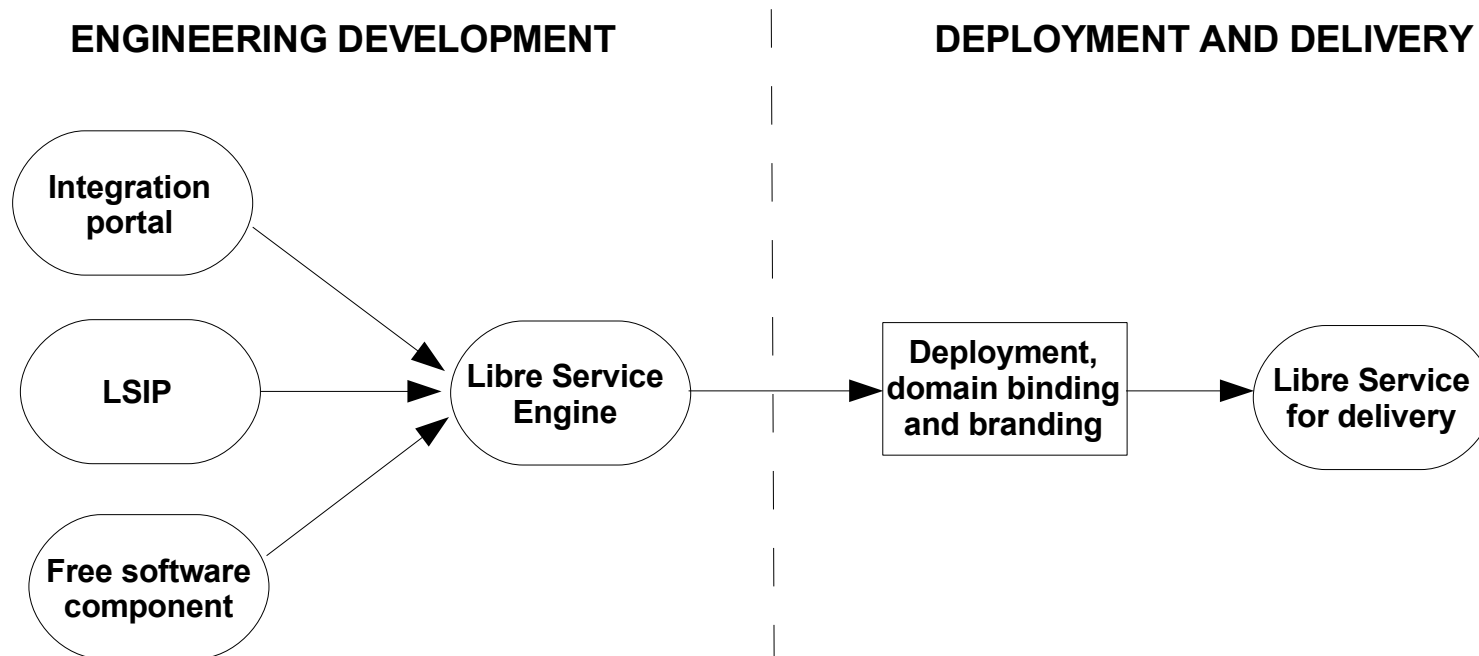
Benefits to service providers

- A truly open industry

- Collaborative development

- Industry representation

From Concept to Reality

CONCEPTUAL DEFINITION	COLLABORATIVE FRAMEWORK	ENGINEERING DEVELOPMENT	DEPLOYMENT AND DELIVERY
Intellectual work to define and articulate the concept. **Libre Services Manifesto**	Framework for collaborative engineering development. **LibreServices.org**	Collaborative engineering development. **Libre Service Engines**	Deployment/operation of Libre Services. **ByName, ByAlias etc.**

Free Protocols Foundation

Industry at large

Transformation of Free Software into Libre Services

ENGINEERING DEVELOPMENT | **DEPLOYMENT AND DELIVERY**

- Integration portal
- LSIP
- Free software component

→ Libre Service Engine → Deployment, domain binding and branding → Libre Service for delivery

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 and industry

A project-based model for participation

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

FPF and Neda:
Conflict of Interest?

In appearance, at least.

The overlap is necessary in the beginning.

Libre Services: Projects

- Libre Services Manifesto

- Libre Services Forum

- First-generation Libre Services Engines

- LSIP software development and documentation

An Invitation to Participate

- Engineering

- Business

- Grantmaking foundation

- The investment community

- The academic community

- The media

The By* Family

Initial Business and Commercial Dimensions of Libre Services

The By* Concept

A Unified Model for Internet Services

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* 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

Setvice 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 cemetary. 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

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

Current Status

Service	Status	Comment
www.ByName.net www.ByName.com	Pre-operational	Major functionality complete and approaching oprtaional deployment. Component of Stage C deployment; in progress.
www.ByNumber.net www.ByNumber.com	Pre-operational	Major functionality complete and approaching oprational 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; compete.
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 Stahe 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.

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-Propritary Model	New: Free Software Bus Redhat, ... Libre Services Bus Neda, ...	Traditional: FSF IETF FPF	Copyleft Knowledge Sharing Openness
	Pro-Business	Pro-Public	

An Open Business Plan

http://www.neda.com/StrategicVision/BusinessPlan

Conceptual Foundations

NEW

Neda By* Family ofLibre Services
The future of the Internet Services industry
Open Business Plan
http://www.neda.com/StrategicVision/BusinessPlan

The By* Concept
A Unified Model for Internet Services
http://www.by-star.net/

Libre Services Concept
A non-proprietary model for delivery of Internet services
Free Protocols Foundation
http://www.libreservices.org/

Established

Free Software / Open Source Concept
The GNU Manifesto (1985)
http://www.fsf.org ...

The CopyLeft Concept
GPL / FDL / ...
http://www.gnu.org/copyleft