Wikis fast information exchange and ready-to-use



Sissi Closs

- ➤ In the technical communication field since 25+ years
- Professor at Karlsruhe university
- Using wikis since more than 10 years

What is the challenge?

Up-to-date information should be available **immediately**.

Organizations need efficient methods to create, manage and distribute their **ever-changing** information products.

Problems with conventional information exchange and delivery

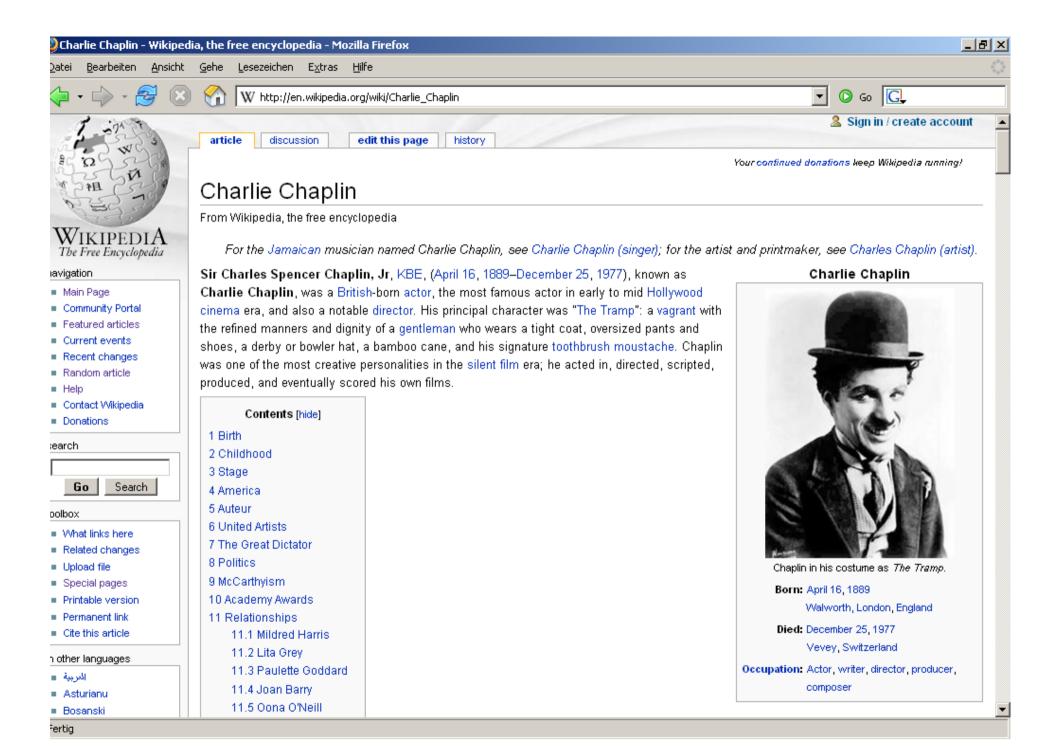
- I don't know that the information exists.
- I don't have access to the information.
- I don't know where and what the current version is.
- I don't know which information is needed.

...result in enormous costs

- > A wealth of expert knowledge is not used because of:
 - Geographical distance
 - Independent areas/assignments
 - Busy schedules
- Resources are wasted resolving problems that someone else had already solved.

What is a Wiki?

- (Open source) platform for exchanging information easily
- Invented by Ward Cunningham (1994)
- Type of groupware software
- > Read, edit, and link information
- Many key management functions included



IPv6

From Wikipedia, the free encyclopedia

Internet Protocol version 6 (IPv6) is the latest revision of the Internet Protocol (IP), the communications protocol that routes traffic across the Internet. It is intended to replace IPv4, which still carries the vast majority of Internet traffic as of 2013.^[1] IPv6 was developed by the Internet Engineering Task Force (IETF) to deal with the long-anticipated problem of IPv4 address exhaustion.

Every device on the Internet, such as a computer or mobile telephone, must be assigned an IP address for identification and location addressing in order to communicate with other devices. With the ever-increasing number of new devices being connected to the Internet, the need arose for more addresses than IPv4 is able to accommodate. IPv6 uses a 128-bit address, allowing for 2^{128} , or approximately 3.4×10^{38} addresses, or more than 7.9×10^{28} times as many as IPv4, which uses 32-bit addresses. IPv4 allows for only approximately 4.3 billion addresses. The two protocols are not designed to be interoperable, complicating the transition to IPv6

IPv6 addresses consist of eight groups of four hexadecimal digits separated by colons, for example 2001:0db8:85a3:0042:1000:8a2e:0370:7334.

Deployment of IPv6 is accelerating, and a symbolic marketing event, World IPv6 Launch, was organized by major Internet service providers and users on 6 June 2012, for which they deployed IPv6 addresses to some of their users, especially in countries that had been lagging in IPv6 adoption. Data from Arbor Networks showed a peak of 0.2% of Internet traffic on IPv6 during the launch. As of late November 2012, IPv6 traffic share was reported to be approaching 1%.

Contents [hide]

1 Technical definition

2 Motivation and origin

Internet protocol suite

Application layer

```
DHCP · DHCPv6 · DNS · FTP · HTTP · IMAP · IRC · LDAP · MGCP · NNTP · BGP · NTP · POP · RPC · RTP · RTSP · RIP · SIP · SMTP · SNMP · SOCKS · SSH · Telnet · TLS/SSL · XMPP · (more)
```

Transport layer

TCP • UDP • DCCP • SCTP • RSVP • (more)

Internet laver

IP(IPv4 • IPv6) • ICMP • ICMPv6 • ECN • IGMP • IPsec • (more)

Link layer

ARP/InARP • NDP • OSPF •
Tunnels(L2TP) • PPP •
Media access control(Ethernet • DSL • ISDN •
FDDI) • (more)

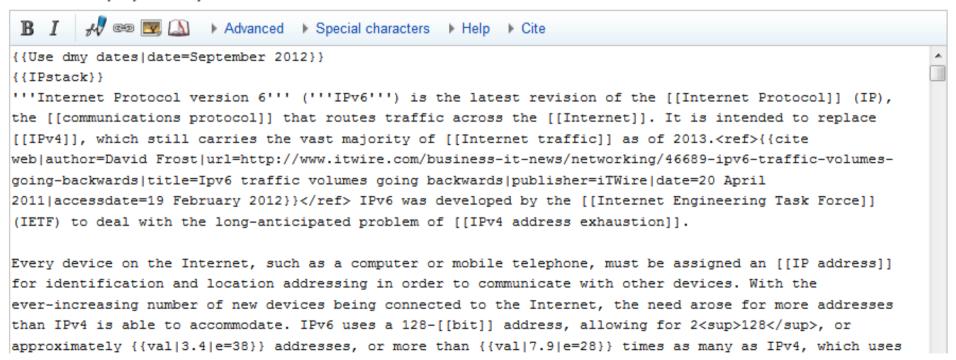
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Article Talk Read Edit View history Search Q

Editing IPv6

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IPv6: Difference between revisions

From Wikipedia, the free encyclopedia

Revision as of 01:11, 28 February 2013 (edit)

Glrx (talk | contribs)

(→Exhaustion of the unallocated IPv4 address pool: fix cite broken by previous edit)

← Previous edit

Latest revision as of 13:50, 8 March 2013 (edit) (undo) 130.208.69.54 (talk)

(IPv6 mandated for LTE only(?) in 2009 (not 2010))

(2 intermediate revisions by one user not shown)

Line 142:

An IPv6 address may be abbreviated by using one or more of the following rules:

- # Remove one or more leading zeroes from one or more groups of hexadecimal digits; this is usually done to either all or none of the leading zeroes. (For example, convert the group <code>0042</code> to <code>42</code>.)
- # Omit one or more consecutive sections of zeroes, using a double colon (::) to denote the omitted sections. The double colon may only be used once in any given address, as the address would be indeterminate if the double colon was used multiple times. (For example, <code>2001:db8::1:2</code> is valid, but <code>2001:db8::1::2</code> is not permitted.)

Line 142:

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- # Omit consecutive sections of zeroes, using a double colon (::) to denote the omitted sections. The double colon may only be used once in any given address, as the address would be indeterminate if the double colon was used multiple times. A double colon may not be used to denote an omitted single section of zeroes.</ri>
 ref name=rfc5952sec422>RFC 5952, "A Recommendation for IPv6 Address Text Representation", S. Kawamura (August 2010), section 4.2.2: <a href="http://tools.ietf.org/html/rfc5952#section-4.2.2/ref> (For example, <code>2001:db8::1:2</code> or

<code>2001:db8::1:1:1:1</code> are not permitted.)



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Search Q Special page

Special pages

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- Dead-end
- Dormant
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- Blocked u
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- Getting st
- · Global gro
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- New page:

- · Most linked-to categories
- · Most linked-to files · Most linked-to pages
- · Most linked-to templates

- · Pages with the most categories
 - · Pages with the most interwikis
 - · Pages with the most revisions

Page tools

Media rep

- File list
- File path
- Book
- Cite
- · Compare pages

- Export pages
- · What links here

Wiki engines: Some famous examples

- MediaWiki: http://www.mediawiki.org
- DokuWiki: http://wiki.splitbrain.org
- TWiki: http://www.twiki.org
- PhpWiki: http://phpwiki.sourceforge.net
- > ... more than 200 Wiki engines
- Best overview: http://www.wikimatrix.org

Compare Wiki engines



Hosted services

- Wikia http://www.wikia.com
- Wikispaces http:// www.wikispaces.com
- Metadot Wiki http:// www.metadot.net

Wiki projects: Some famous examples

- Encyclopedia: http://en.wikipedia.org
- Info about wikis: http://meta.wikimedia.org
- The first wiki: http://c2.com/cgi/wiki
- and countless others

Support for newbies

- http://meta.wikimedia.org/wiki/Cheatsheet
- http://meta.wikimedia.org/wiki/Bots

Public Tech doc Wikis: Some examples

Wiki	Wiki platform	URL
FLOSS Manuals	Twiki wiki	http://flossmanuals.net/
Oracle OpenDS		http://opends.java.net/
Oracle Open Office documentation	MediaWiki	http://wiki.openoffice.org/wiki/Documentation
Adobe Labs		http://labs.adobe.com/wiki/
Atlassian Confluence documentation	Confluence	https://confluence.atlassian.com/display/DOC/Confluence+Documentation+Home
Ubuntu		https://help.ubuntu.com/community
IBM developerWorks	Confluence	https://www.ibm.com/developerworks/wikis
WebWorks Documentation	MediaWiki	http://docs.webworks.com/
PHP Wiki	PHP Wiki	https://wiki.php.net/
MSHelpWiki	TikiWiki	http://www.mshelpwiki.com
DocBook	MoinMoin	http://wiki.docbook.org

Use Cases

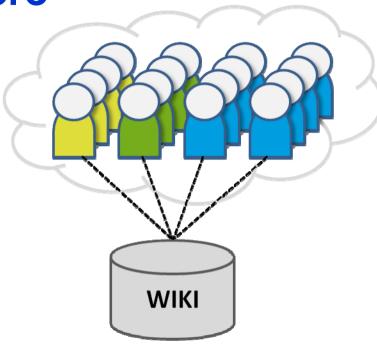
How can your organization use a Wiki successfully.

Typical use cases

- Need for coordination
 - Guidelines
 - Searching for ideas
- Constant changes (dynamic)
 - Input
 - Review
- Many people involved
 - Glossary
 - Training
- **>** ...

Wikis can be used everywhere for cooperation

- Develop content together
- Exchange ideas
- Distribute information fast
- Share experiences
- Keep everybody informed
- **>** ...



Best Practice

Don't use a wiki like a file system and a wiki page like a Word document.

Typical pitfals can be avoided using proven best practices.

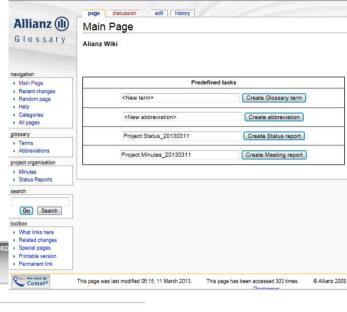
Typical caveats

- Unknown environment for authoring and organization
- Nothing happens
- Fear of getting lost
- > Fear of chaos

New and different? Solution:

- ✓ Make it easy
- ✓ Use templates
- ✓ Provide Training
- ✓ Provide editorial services



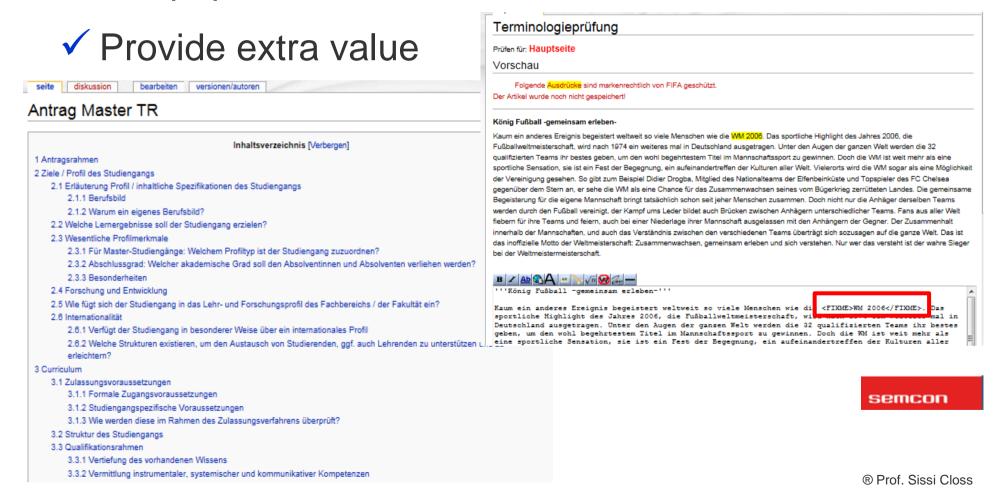


semcon

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Not seen as being useful? Solution:

✓ Pre-populate with useful content



Fear of getting lost? Solution:

Use

- ✓ Special functions
- ✓ Status info

Recent changes and logs

- · Edit filter log
- · Gallery of new files
- Logs
- · New pages
- · New pages feed

- · Recent changes
- · Related changes
- · Valid change tags
- Watchlist



ist Diplom-Informatiker und seit 1999 Geschäftsführer und IT-Leiter ___Er entwickelt-studierte Informatik an der Universität Erlangen-Nürnberg. Nach dem Studium betreute er am Regionalen Rechenzentrum der Universität Erlangen unterschiedliche Forschungsprojekte im Netzwerk- und Multimediabereich.

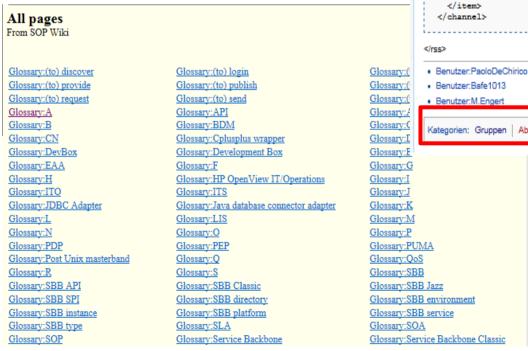
Online anzeigen · Gefällt mir · Änderungen anzeigen · Kommentar hinzufügen

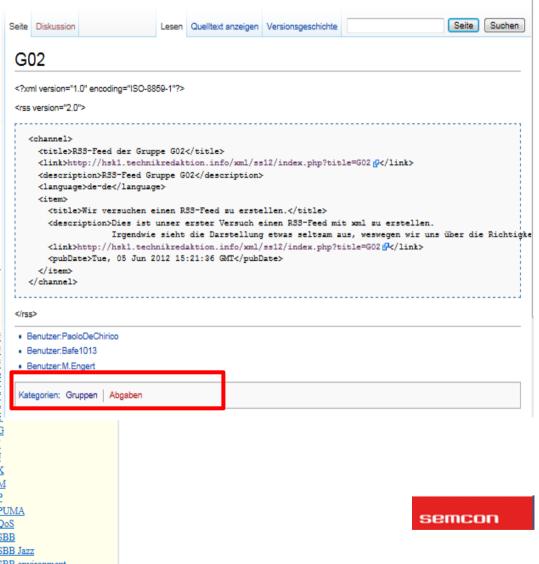
Überwachung der Seite beenden

Fear of chaos? Solution:

Use

- ✓ Classification
- ✓ Naming conventions





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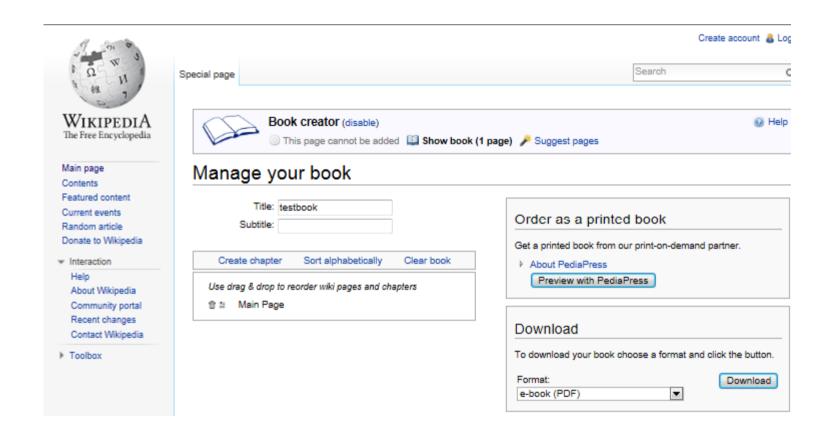
Benefits

Wikis empower users to colaborate.

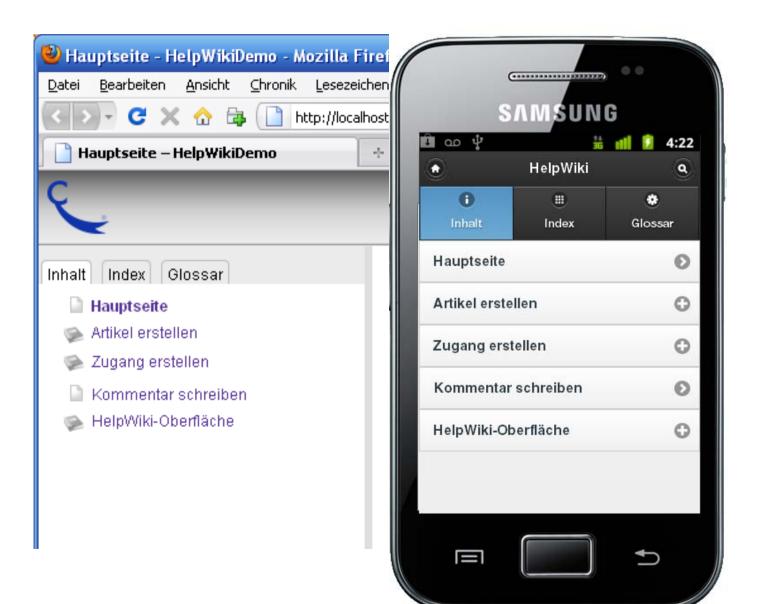
The Wiki way

- Content is important
- Keep it simple
- Avoid deep hierarchical structures
- Profit from collaboration (office suites do not...)
- Beyond desktop metapher

One source many deliverables

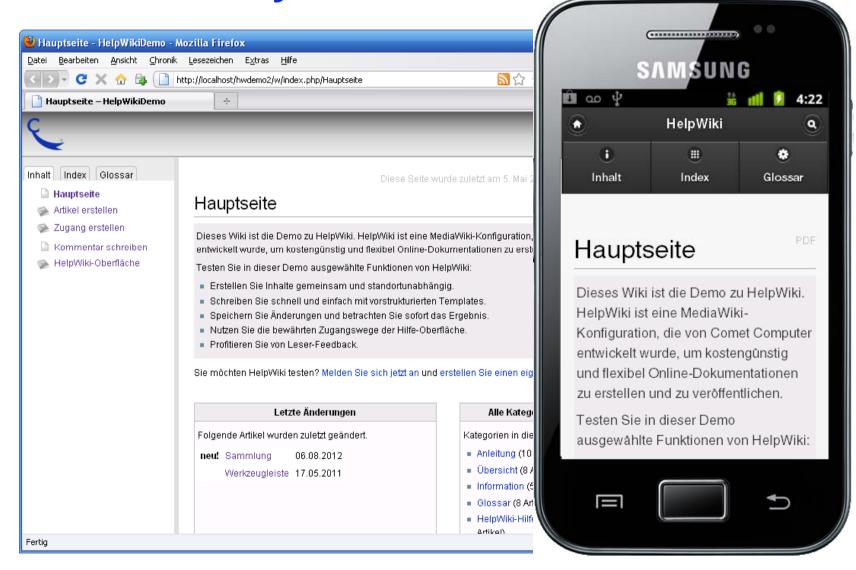


One source many deliverables





One source many deliverables



Wiki Pros

- > Re-use
 - Integrate content from different sources and produce different output
- > Fast
 - © See changes immediately
- > Stable
 - © You still can edit wiki pages in a 10+ year old wiki

Tack för Er uppmärksamhet

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