



IPv6 Business Conference

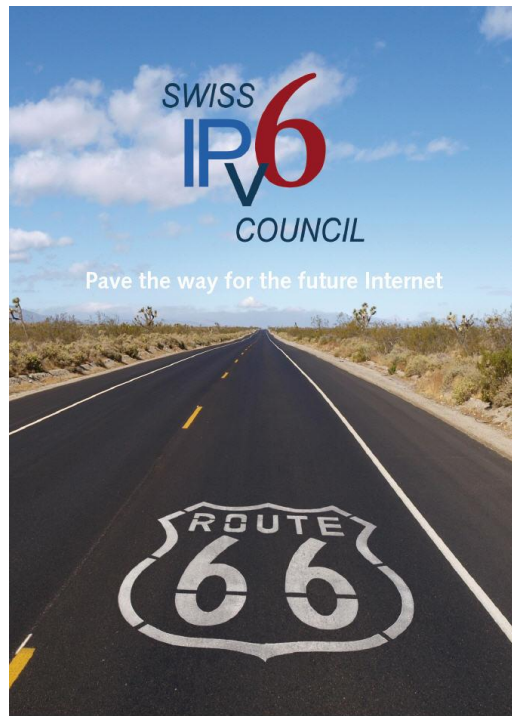
Organized by



| 2016
June, 16



Taking Off



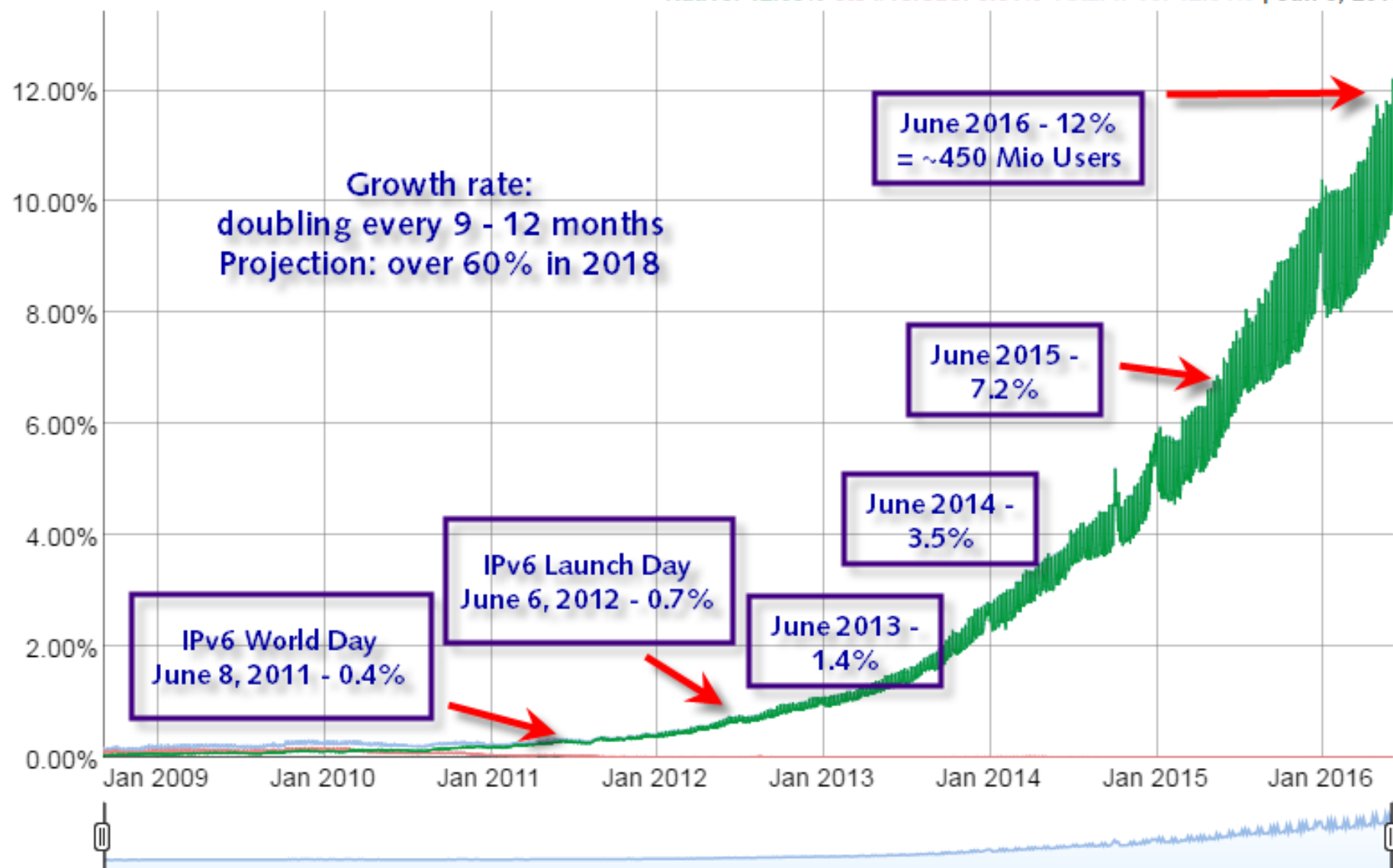
World IPv6 Day
June 8, 2011



IPv6 Adoption

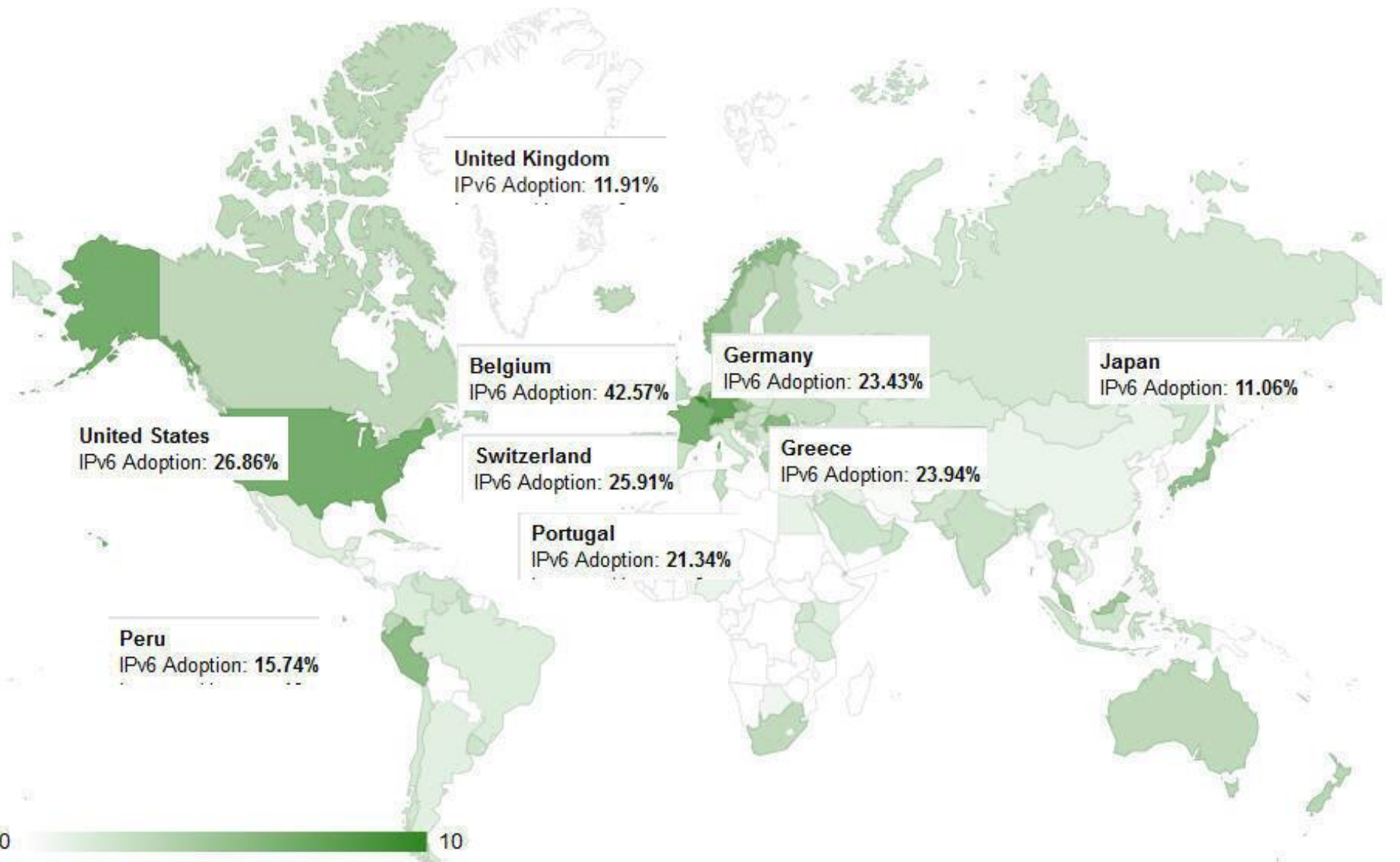
We are continuously measuring the availability of IPv6 connectivity among Google users. The graph shows the percentage of users that access Google over IPv6.

Native: 12.03% 6to4/Teredo: 0.01% Total IPv6: 12.04% | Jun 5, 2016



Data Source: Google Statistics

World Picture with some countries

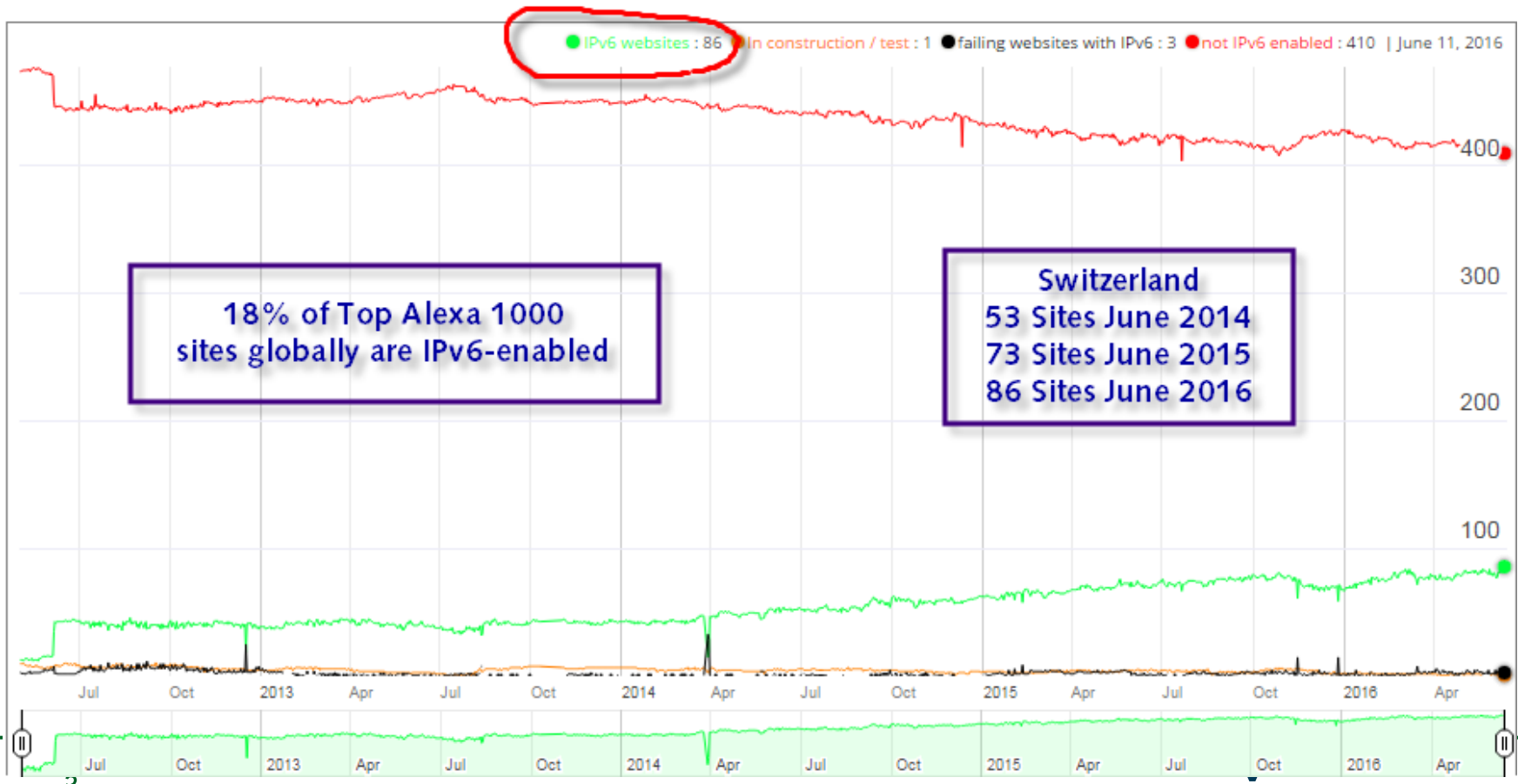


Switzerland Content – where are you?

Swiss Top Alexa 500 Sites

Switzerland

Display Content Data ⓘ









Dashboard Swiss Sites – here they come!

🚩 Top Alexa –
<http://dashboard.swissipvcouncil.ch/#alexa>

22	Portal der Schweizer Regierung (www.admin.ch)	FAIL	FAIL	OK
26	Swisscom Directories AG (local.ch)	OK	FAIL	OK
27	Tagesanzeiger (tagesanzeiger.ch)	FAIL	OK	OK
28	Swisscom (www.swisscom.ch)	OK	FAIL	OK
33	Blogspot (www.blogspot.ch)	OK	UNKNOWN	FAIL
39	Apple (www.apple.com)	OK	FAIL	FAIL
46	Blogger.com	OK	OK	FAIL
51	Microsoft (www.microsoft.com)	OK	FAIL	OK
61	Post CH AG (post.ch)	OK	OK	OK
78	Comparis (comparis.ch)	OK	OK	OK
115	Swisslos (swisslos.ch)	OK	FAIL	OK
130	Infomaniak (infomaniak.ch)	OK	OK	OK
139	TIO – Portale del Ticino (tio.ch)	OK	OK	OK

ip6.nl – 4 stars for local.ch – since June 11!

results for local.ch			
	IPv4	IPv6	
DNS servers	185.101.119.196 185.101.119.198 213.156.224.141 213.156.232.130	 2a06:1d80:1:2::196 2a06:1d80:1:2::198	
IPv6-only DNS		 Works	
Mail exchangers	194.169.219.200 194.169.219.199	 No AAAA records for any MX	
local.ch	185.101.119.163	 2a06:1d80:1:3::1:163	
www.local.ch	185.101.119.133	 2a06:1d80:1:3::1:133 2a06:1d80:1:3::1:163	

local.ch is almost IPv6 ready.

4 out of 5 stars.

Link to these results: <https://ip6.nl/#!www.local.ch>



You did it!

Even we can do it, Council and Arena Sihlcity ☺

results for **ipv6conference.ch** ★ ★ ★ ★ ★

	IPv4	IPv6
DNS servers	72.14.185.13 194.246.118.119 212.25.28.54	✓ 2001:8e0:40:304::119 2001:8e0:80::54 2600:3c00:f03c:91ff:fe96:f81b
IPv6-only DNS		✓ Works
Mail exchangers	212.25.24.40 212.25.24.41	✓ 2001:8e0:40:325::40 2001:8e0:40:325::41
ipv6conference.ch	212.25.25.60	✓ 2001:8e0:0:3::60
www.ipv6conference.ch	212.25.25.60	✓ 2001:8e0:0:3::60

ipv6conference.ch is ready for IPv6.

5 out of 5 stars.

Link to these results: <https://ip6.nl/#!www.ipv6conference.ch>



results for **arena.ch** ★ ★ ★ ★ ★

	IPv4	IPv6
DNS servers	72.14.185.13 194.246.118.119 212.25.28.54	✓ 2001:8e0:40:304::119 2001:8e0:80::54 2600:3c00:f03c:91ff:fe96:f81b
IPv6-only DNS		✓ Works
Mail exchangers	83.150.12.128	✗ No AAAA records for any MX
arena.ch	194.246.119.47	✓ 2001:8e0:40:309::47
www.arena.ch	194.246.119.47	✓ 2001:8e0:40:309::47

arena.ch is almost IPv6 ready.

4 out of 5 stars.

Link to these results: <https://ip6.nl/#!www.arena.ch>



Why dual-stack content is important!

- ✚ It is important for everyone to deploy as many dual-stack sites as possible. It shifts traffic to the IPv6 Internet.
- ✚ For an ISP, providing CGN-IPv4 access can be four times more expensive than to provide IPv6-native access.
 - Numbers by Swisscom, presented by Martin Gysi at his last year presentation:

Cost for 1 Gb/s throughput:

6rd: CHF 1'650.00

CG-NAT: CHF 8'000.00 (without cost for logging)

Is this a business case or not?

Customer Responsibility

- ✚ Make clear IPv6 requirements for all new projects and services!
- ✚ If you don't take your responsibility now, it may hit you in a couple of years
- ✚ Your vendors will not move if you don't require IPv6!
- ✚ Many vendors have Pseudo Implementations to make their marketing brochures look good, but the code is not usable in production. This obviously doesn't apply to our sponsors! ☺

Most underestimated areas:

- ✚ Applications (3rd party and self-developed)
- ✚ Cloud services
- ✚ IoT
- ✚ Ecommerce and Egovernment

Referrals to other sessions

**Application Development Sessions – bridge the gap!
not just for developers (AM – 2pm to 3.30pm)**

**Cloud overview – this picture will not change if customers don't
require, so arm yourself with arguments at this conference and
then act! (B – 14.45 – 15.30)**

**Cloud Case Study (learn what's happening when you do it)
(AM – 10.00 – 10.45)**

**Become Agile otherwise you will not master the complexity of
future organisations and networks**



Stuff

- ☞ Coffee breaks 2 x 30 minutes, get great coffee, lunch and networking drink downstairs
- ☞ Meet our sponsors at their booths in the coffee/lunch zone.
- ☞ Speakers please spend your breaks downstairs at "Meet the Experts" Table so people can connect with you.
- ☞ Tom will sign books at the Infoblox booth, Silvia will sign books at the "Meet the experts" table.
- ☞ **Please help us optimize our events by filling out the questionnaire before leaving.** You can drop it at the reception desk.



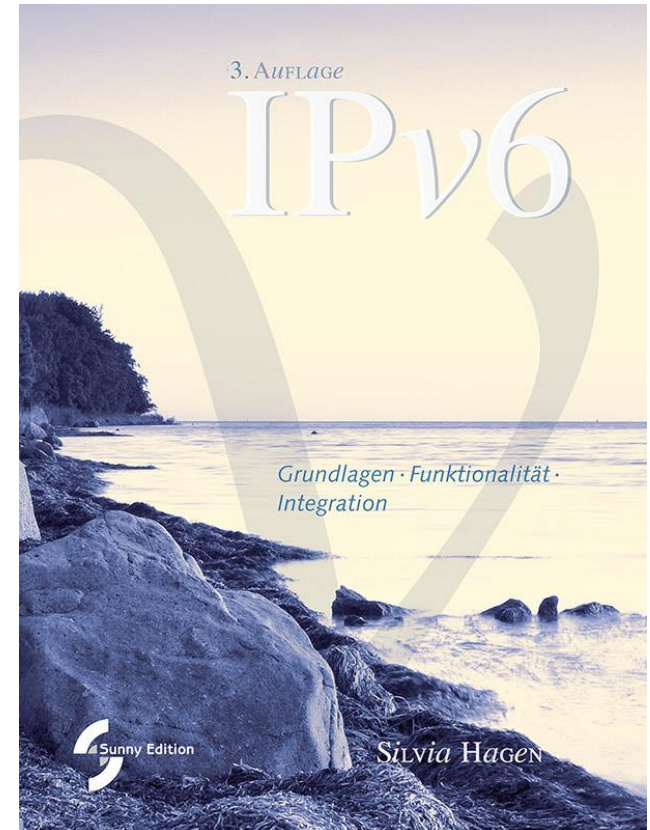
And last but not least....

- ✚ Our host Arena Sihlcity has a dual-stack website, our last year events have been contagious (www.arena.ch)
- ✚ Arena has a conference WiFi with SSID "Arena-Event"
User: Event, Password: sunny.ch
- ✚ **This is an IPv6-only WiFi.** It works with NAT64, so you have IPv6 native connectivity to dual-stack websites and translated connectivity to IPv4-only websites. Play with it.
More on this in the demo after lunch.
- ✚ Thank you Markus Braun for this! Powered by Fortinet.

This is my sponsor slide – 3rd Edition German

■ IPv6 Grundlagen, Funktionalität, Integration

- von Silvia Hagen, Deutsch
- 3. Auflage, Sunny Edition, 2016
- Print ISBN 978-3-9522942-3-9
- eBook ISBN 978-3-9522942-8-4



Actionable Network Intelligence

- **IPv6 Center of Excellence**
- **Network Control and Security from the Core** – Available. Secure. Smart.
- **Gartner recommends Infoblox** – Market Leader in DDI

Kontakt

Thomas Gerch

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Account Manager CH

Meet the Expert – Tom Coffeen, Chief IPv6 Evangelist, Infoblox, for a book signing session at our booth!



IPv6 - Seamless Migration...

- Leader ADC
- Full Proxy
- Carrier Grade NAT
- Complete IPv6 Gateway
- DNS64
- NAT64
- Riskless / Smooth / Now

Kontakt

Patrick Schindler

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Kurs: IPv6 Hands-on



Understanding IPv6

3 Tage

7. bis 9. Sept. 2016

Kontakt

Oliver Müller

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Alle Kursdetails am Stand in
der Kaffezone.

Easy and soft Migration to IPv6

A10 Networks for IPv6
Migration/IPv4 Preservation

Infoblox your DNS for IPv6
and IPv6 Center of Excellence

Kontakt

Daniel Pfenninger

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Solving the Challenges of IPv6

- Scalability
- IPv6 Readiness
- Easy Deployment
- IPv6 Resources
(Multimedia, Documents,
Articles, Services & Tools)

Kontakt

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Thanks to all our Sponsors

