



DIPL.-INFORM. MARC HABER

born 1969

IT professional since 1986

Education

Graduate School: Universität Karlsruhe (TH), Karlsruhe, Germany, Informatics / Computer Science.

Degree: Diplom-Informatiker (Dipl.-Inform.) - This is equivalent to Master of Informatics / Computer Science

Languages

German (native speaker)

Englisch (business fluent, written and spoken)

Professional Focus

- Systems Administration and IT Infrastructure in small and large environments
- Linux (e.g. Debian GNU/Linux, Ubuntu, Red Hat Enterprise Linux, CentOS)
- Security (Cryptography, PKI, Firewall, VPN)
- Computer networking (Ethernet, Switching, Routing, DHCP, IPv6)
- Virtualization and Cloud Computing (VMware, Linux KVM, Openstack)
- Internet Services (DNS and domains)
- Monitoring of Networks and Services (Icinga, Smokeping, Zabbix)
- Data center infrastructure (planning of racks, networking and energy)

Web Page

<https://www.inclusion.de/> - in German, no English version available.



Experience

Architecture, implementation and operation of

- Advanced IPv4 and IPv6 networks
- Wired and wireless network technologies
- Small and medium environments
- Large environments with many thousand systems
- Distributed infrastructure
- Security Systems (Firewall, VPN)
- Servers running Linux and other unixoid systems
- Virtualization of IT infrastructure
- Writing and negotiating IT-related contracts (based on German law)
- facilitating communication between technical and sales staff, customers and legal professionals

Abilities / Knowledge

This is a shortened list based on the mainstream and my preferred tools. Please find the complete list (in German) on <https://www.inclusion.de/skills>

General

More than 30 years of experience as an IT professional

Conceptual skills, generalistic mindset

Systematic approach

Troubleshooting with a very structured approach

Ability to transfer knowledge to the customer and their staff

Writes easy to understand, but still comprehensible, documents in (preferably) German and English.

Platforms / Operating Systems

Linux

Distributions

Debian (Debian Developer since 2001)

Operation of servers (expert)

Operation of workstation computers (very good knowledge)

Systems deployment in the data center

Building of software packages and software distribution (very good knowledge)

debhelper, quilt, lintian, sbuild, mini-build, reprepro, apt, aptitude

Package maintenance in version control systems



grml (good knowledge, especially as rescue or service OS)

Other: Ubuntu (good knowledge), Red Hat Enterprise Linux (good knowledge), CentOS (good knowledge), Fedora (basic knowledge), SUSE (OpenSuSE/SLES) (basic knowledge)

Systems Management: ssh (very good knowledge), rsyslog (good knowledge), aide (very good knowledge, package maintainer for Debian)

Configuration Management

puppet including version 4 (good knowledge)

ansible (basic knowledge)

Security

Concepts, design of infrastructure

Firewall technology: Linux Netfilter (very good knowledge), iptables (very good knowledge), ferm (very good knowledge)

VPN: IPSEC (good knowledge), OpenVPN (very good knowledge)

Intrusion Detection, Log management

Content security, e-mail security (Filtering of unsolicited e-mail (Spam), Antimalware)

Networking

Concepts, design of infrastructure

Physical networks and architecture: LAN, WAN, metro networks (good knowledge), MPLS (basic knowledge)

Switching: Fast Ethernet, Gigabit Ethernet, 10 Gigabit Ethernet (very good knowledge)

Management: Rancid (good knowledge), Netdisco (basic knowledge)

Troubleshooting (expert): Usage of monitor ports, Packet sniffer: Wireshark, tcpdump, interpretation of test results

Monitoring

Utilization monitoring: munin (very good knowledge), torrus (good knowledge, Package maintainer for Debian), mrtg, Cacti (basic knowledge), smokeping (good knowledge), interpretation of data

Availability and SLA monitoring: Icinga/Nagios (good knowledge)

Data center

Data center organization (good knowledge)

Planning of infrastructure

Coordination of contractors

Data center monitoring

Environmental parameters (temperature, humidity) (very good knowledge)



Management systems: Server management (very good knowledge), Server for serial console (very good knowledge), Out-of-Band access (very good knowledge)

Protocols

TCP/IP: IPv4 (expert), IPv6 (very good knowledge)

Internet and web: DNS (expert), http (very good knowledge), FTP (good knowledge)

E-mail

Routing: BGP (good knowledge), OSPF (good knowledge), RIP (basic knowledge)

Management: SNMP (good knowledge), PXE (good knowledge), DHCP (good knowledge)

Databases: MySQL/MariaDB (good knowledge), PostgreSQL (basic knowledge), SQLite (basic knowledge)

Virtualization technology

Linux Kernel Virtual Machine (KVM) (very good knowledge)

libvirt/Virt-Manager (very good knowledge)

VMware (good knowledge)

IBM LPAR (pSeries) / PowerVC (basic knowledge)

Linux Containers (basic knowledge)

Script languages: Bash (very good knowledge), POSIX Shell (good knowledge), Perl (good knowledge, Package maintainer for some packages from CPAN in Debian), ruby (good knowledge)

Programming languages: C, C++ (basic knowledge)

Version control systems: git (good knowledge), subversion (good knowledge), CVS (basic knowledge)

Server for Internet services

Exim (expert, Package Maintainer für Debian)

GNU Mailman (good knowledge)

apache (very good knowledge)

ISC bind (very good knowledge)

PowerDNS (very good knowledge, Certified PowerDNS Consultant)

ISC DHCP (Server, Client und Relay) (good knowledge)

Netnews: INN (good knowledge)

Office applications and typesetting

MS Office up to 2013: Word (very good knowledge), Excel (very good knowledge), PowerPoint (good knowledge), Access (basic knowledge), MS Visio (good knowledge), MS Project (basic knowledge)

LibreOffice (good knowledge)



LaTeX (good knowledge)

Docbook (basic knowledge)

legal (German)

Office communications in a legal office (good knowledge)

Office software for lawyers

Acquaintance with the specialities of legal work

Design and negotiation of IT contracts (good knowledge)

Specification of IT services in a legally and technically solid manner

Service Level Agreements (SLAs)

Definition of interface and processes between service provider and customer

Basics of German law (BGB, civil law, standard business conditions) (good knowledge)



Family

Married, No children

Nationality

Federal Republic of Germany (since 2007)

Hobbies

Railroads (esp safety, signalling)

Transport politics

Ballroom dancing

Certifications, Memberships and pro bono work

PowerDNS Certified Consultant, Netherlabs Computer Consulting BV (since 2012)

Debian Project (Debian Developer since 2001)

Software in the Public Interest Inc. (contributing member since 2006-07)

Mensa in Deutschland e.V. (since 2004)

Unix User Group Rhein-Neckar (UUGRN) (since 2008)

Internet Society German Chapter e.V. (ISOC.de e.V., since 2013)

HE.NET IPv6 Certified Sage (since 2015)

Moderation of the USENET Newsgroup de.admin.news.announce (elected member 2005-2007)



Publications and Conference Talks

- 2015-09: Talk „Heimnetz mit IPv6 und Hausmitteln“, von Testumgebung für Kundennetze zur produktiven internen Infrastruktur, IPv6-Stammtisch, Karlsruhe
- 2013-09: Talk „Von E-Mail in Zeiten“, E-Mail im Cloud- und NSA-Zeitalter, iF-Akademie, InterFace AG, Unterhaching.
- 2013-02: Talk „Die größten IPv6-Marketinglügen hinterfragt“, GUUG-Frühjahrsfachgespräch, Frankfurt am Main. Paper published in UpTimes Frühjahrsfachgespräch 2013, ISBN 978-3-86541-489-2
- 2008-09: Talk „RZ-Monitoring für Arme“, Chaos Computer Club Stuttgart e.V., Stuttgart
- 2007-02: Talk „Anatomie einer Debian-Package“, GUUG-Frühjahrsfachgespräch, Berlin
- 2006-04: Talk „Wie funktioniert DSL – Von Carriern, Providern und Prozessen“, Chaos Computer Club Stuttgart e.V., Stuttgart
- Seit 2005: Blog „Zugschlussbeobachtungen“ about daily life and other aspects in life of an IT Geek (<http://blog.zugschluss.de/>)
- 2005: Book „Der Internetdiensteanbieter-Vertrag“ together with Rechtsanwältin Birgit Roth und Rechtsanwalt Prof. Dr. Rupert Vogel. Verlag Recht und Wirtschaft, Heidelberg.
- 2005-02: Talk “Packaging exim 4 for the Debian GNU/Linux Operating System”. exim Conference, Birmingham
- 2003-06: Talk „Debian GNU/Linux beim Internetprovider“. SAGE-KA, Karlsruhe.
- 2001-03: Book „Sicher ins Netz mit Freier Software“, published by Addison-Wesley.



DIPL.-INFORM. MARC HABER

IT-DIENSTLEISTER SEIT 1986

History of commercial and non-profit projects

I apologize. It is not possible to keep this current and in sync in two languages. Please refer to my German language profile, available from: <https://www.inclusion.de/lebenslauf/profil>



Contact Information

I am happily available for further questions.

Marc Haber

Konrad-Adenauer-Str. 51

69181 Leimen

Germany

Phone: +49 6224 160 44 33

e-mail: mh+cv2018@inclusion.de

Web (in German): <https://www.inclusion.de/>

This document in its most current version in PDF format: <https://www.inclusion.de/profil>

Formalities

This document is protected by copyright law. Reproduction, modification, processing and distribution is only allowed with my written consent. This especially means reproduction of this contents, all or in part, in documents based on the corporate identity of IT or personnel service providers. Please be prepared to send me a copy of material based on this document.

Subject to change without notice, errors excepted.

Product names mentioned in this document may be trademarked by their owners. I reserve the right to change all information provided in this document. I don't assume any liability about errors and omissions in this document. This document has 9 pages.

Copyright © Marc Haber 2018-06-01

Revision 2017-06A

This document replaces all lower revised and/or earlier dated versions.