

Michael Neuffer

Competences

Michael Neuffer
Senior System Engineer
German citizen,
born: 15.04.1971

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- focus:** Murex, UNIX and storage design and administration.
Design and implementation of business critical infrastructure.
- studies:** Commercial Information Technology, University of Koblenz
- languages:** German (native), English
- memberships:** IEEE, USENIX, SAGE, LOPSA
- skills (overview):**
- Operating Systems:**
Administrative proficiency with:
Solaris 2.x (SPARC), Debian GNU/Linux (Alpha, SPARC, x86, AMD64),
Windows 95/98/NT
Administrative familiarity with:
Solaris 2.x (x86), Solaris 1.x (Sparc), Irix 5.x/6.x, FreeBSD, NetBSD,
MS-DOS, Windows 2000, Windows XP, DEC Tru64, Red Hat Linux, SuSE
Linux
- Computer Languages:**
Proficiency with:
bash/ksh/sh, SQL, C, make, Perl
Familiarity with:
JavaScript, Modula-2, Pascal, Elisp, X86-Assembler,
MIPS-Assembler, m68k-Assembler, Z80-Assembler
- Platforms:**
SUN E10000, E6800, E6500, E6000, E4500, E4000, E3500, E3000, E450,
E420, E220, V880, Ultra 60, Ultra 30, Ultra 10, Ultra 5, Ultra 2, Ultra 1,
1000E, Sparc 20, Sparc 10, SUN ELC, Sparc Classic,
Siemens RM200, RM400, RM600
DEC Multia,
SGI Indy, Indigo, Indigo2, Origin, PowerChallenge

Michael Neuffer

Competences

Peripheral Storage Hardware:

Exabyte tapes ; DDS2/3/4 tapes ; DLT tapes; MO disks; CD-R/RW disks;
Various autochangers and jukeboxes; RAID systems

Tools:

Sun Solstice Backup, SunNet Manager, CMU SNMP, UCD SNMP, BigBrother
Network Monitor, Veritas Filesystem, ComFax, Asterisk, AutoSys, Tivoli
Workload Sheduler (TWS), DataSynapse GridServer

Databases:

Sybase, Postgresql, mysql

Storage Protocols:

SCSI, FC, iSCSI

SAN/NAS Hardware:

Brocade Silkworm 12000, 3800, 2800, RaidTec SNAS FC,
Gadzoox Cappellix 3000

Networking Protocols and Technologies:

IP; IPX; AppleTalk; NetBIOS
Ethernet/FastEthernet/GigabitEthernet, ISDN, TokenRing,
IEEE 802.11b/g Wireless LAN, V.90 Data Modem

Networking Hardware:

Cisco 800, 1600, 2500 series routers; Livingston Portmaster;
Allied Telesyn CentreCom hubs and switches

Networking Services:

DHCP; DNS; NFS; AppleTalk File Sharing Protocol; SMB/CIFS;
NIS/NIS+; SNMP; SMTP; LDAP; RADIUS

Networking Service Implementations:

Linux packet filtering and TIS FWTK application gateway firewalls; NetAtalk
AppleTalk package; Samba; Apache, Roxen; University of Washington IMAP
server; University of Washington and Qualcomm POP servers; postfix, qmail
and sendmail SMTP servers; Cistron and Livingston RADIUS servers; ISC
Bind DNS server; ISC DHCP server

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Projects:

04/2006 **Murex SME, Architecture and Design, Troubleshooter**

- today Implementation of a Murex 2.11 FX prototype for FO, BO and Risk Control including Murex Limit Controller (MLC), Actuate reports and realtime marketdata. Design and implementation of an online deal feed from EBS to Murex. Support and debugging of the deal migration from legacy systems (Fenics, Tomcat,...). Performance tuning of the Murex Installation and the Sybase servers.

Environment: Aozora Bank, Tokyo, Japan

Role: Murex SME, Analyst, Consultant, Troubleshooter

05/2003 **Murex support, Murex and Unix infrastructure design and**
- 03/2006 **implementation**

- MXG2000 upgrades from 2.9 to 2.10 to 2.11 (currently the preparations to migrate to 2.11 are underway). Implementation of Bonds, ABS and Schuldscheindarlehen (promissory notes), static data interface and price feed for Bonds, ABS and SS. Day-to-day Murex support (2nd & 3rd level) for FO, BO Risk Control and Accounting users. RTI support, MxML support, OLK support, development of reports (Mreport) and interfaces, various cleanups and trade purges. Unix, Sybase & Murex performance tuning and development of various tools and infrastructure improvements. Migration of production and development infrastructure from London to Frankfurt, EOD support, EOD migration to TWS. Migration Sybase 12.0 to Sybase 12.5.3 (64bit, 4k pages), Operation and maintenance of various Murex environments (production, test/development, integration), housekeeping.

Environment: Helaba Frankfurt

Role: Technical Analyst, architect, administrator, developer, support

08/2002 **Murex support and report development**

- 5/2003 MX Rates 1.17.x, MXG2000 2.9 & 2.10, development of interfaces and reports. Performance tuning of the Murex Application and Sybase Database. Development of various little tools.

Environment: DZ Bank Frankfurt

Role: developer

Michael Neuffer

Competences

- 04/2002 **iSCSI and WLAN R&D**
- 07/2002 Research on iSCSI and WIFI development for ScioByte enterprise solutions
Environment: ScioByte, midsized IT consulting house
Role: CTO, managing partner, senior developer
- 03/2002 **Brocade Training/Testing**
Hands-On Training on Silkworm 12000. Testing/validation of new internal firmware releases, rebuilding/simulating the NASDAQ SAN infrastructure.
Environment: Brocade HQ, San Jose
Role: Student/Tester
- 11/1997 **Murex system support and infrastructure design**
- 03/2002 Murex Currency, Derivatives, MXG2000 2.8, SimPlus, SimBonds; System architect, performance tuning of the whole system – storage, OS, database, interfaces, overnight report batches etc.; migration over several hardware generations: Sparc10-E10000, Solaris 2.5.1-8, Sybase 11.0.3.3-12.0.0.1 and Murex releases: 1.15-1.16-1.17-MXG2000; xBASE to Sybase database backend migration on Murex Currency and Murex Equity; EOD procedure automation; specification, development and maintenance of the infrastructure surrounding the Murex installations and their interfaces to systems like Gloss, Devon, Swift, Computron etc.; support for incoming and outgoing trade feeds via OLK; overnight support; technical application support; front-, middle- and backoffice user support; production responsibility. '97-March '98 single-handed support of all Murex installations alone with just one developer on the Equity side and one developer on the Currency side to help out on business issues. From Q2 1998 on development of a 10+ support and development team. During this period the team managed by me was directly assigned to the department head.
Environment: Commerzbank & Commerz Financial Products (CFP)
Role: Technical Analyst, senior system engineer, team leader
- 01/1998 **Infrastructure Design**
- 06/1999 Design of a large SUN E10000 based infrastructure according to "Mindestanforderungen an das Betreiben von Handelsgeschäften der Kreditinstitute" (MaH) requirements
Environment: Commerzbank
Role: senior system engineer

Michael Neuffer

Competences

- 08/1997 **UNIX System and Summit Application Administrator**
- 12/1997 High availability design and implementation, performance tuning of the UNIX and Database system. Design and implementation of a high availability cluster for Summit and the Sybase server. Consulting for application interface programmers. Technical Summit support. End of Day support. Sybase Support.
- Environment:** Commerzbank
- Role:** Technical Analyst, senior administrator
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- 07/1997 **UNIX and Network Consulting**
- 08/1997 Performance measurements and analysis of various infrastructure designs and development of recommendations for improvements.
- Environment:** Commerzbank
- Role:** Technical Analyst, consultant
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- 05/1997 **Hardware Performance consulting**
- Performance measurements and analysis of various infrastructure designs. Development of recommendations for improvements to allow the replacement of SGI Equipment by cheaper standard PCs based on Linux for the digital cut and display workstations.
- Environment:** Industrial Light and Magic
- Role:** consultant
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- 06/1996 **Database engine development**
- 04/1997 Design and implementation of a database engine with HA clustering and data partitioning capabilities. Support for the Solaris, FreeBSD and Linux Operating Systems included the design and development of Distributed Lock Managers and modified or new SCSI drivers and SCSI infrastructure.
- Environment:** Atlas Telecom, Key supplier of telecom industries
- Role:** designer, developer
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- 01/1996 **Internet service providing consulting and maintenance**
- 06/1997 UNIX and Database consulting; custom programming; design and implementation of the internal network; configuration and installation of various servers and services; email, DNS, FTP maintenance, WWW, file servers and login servers. Hosting of the Debian GNU/Linux projects core infrastructure. Design, implementation and maintenance of its services (master FTP server, mail, mailing lists, DNS and Web) including the new maintainer process.

Michael Neuffer

Competences

Environment: iConnect Inc.

Role: chief operating systems engineer

- 10/1995 **Database application development**
- 03/1996 Development and support of a payroll management system in Gupta (Centura)
SQL / Windows, development of course material for SQL training courses.
- Environment:** GodeSys, midsized IT consulting house
- Role:** programmer
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- 1992 **Linux kernel programming**
- today **Mostly SCSI related work.**