

## Consultant Profile

**Wolfgang Erasmi**  
**Uni-Craft Kiel**  
**D-24229 Strande**  
[erasmi@uni-craft.com](mailto:erasmi@uni-craft.com)  
**+49 170 23 44 034**



## Scope

Senior IT Consultant

Main Topics: UNIX/Solaris, High Availability, Storage, Automation, Datacenter

Keywords: Solaris SUN Cluster Veritas Linux Monitoring SAN Storage Virtualisation  
Datacenter Shell Scripting Automation

## Personal

Year of birth 1964

IT experience since 1991/1995

Nationality german

## Education

1987 - 1994 University studies in physical oceanography, diplom (M.Sc.),

1991 - 1994 Scientific assistant, data processing / programming in  
scientific environment

1994 - 1997 Scientific employee (part.); freelance IT consultant

1997 - 1998 IT administrator (Bank), stock exchange platform,  
Risk Management System

1999 - today Freelance IT consultant

## Languages

German first language

English fluent

Dutch good

Norwegian good

Spanish basic

French low basic

Danish basic

Swedish basic

## **Geographical availability**

Germany

North-, West-, South Europe

## **Personal Skills**

Analytical thinking, structured, team player, educational bg in physics/technics, flight instructor

## **Technical Skills**

Solaris, Cluster, Veritas VM / Cluster / FS, Debian, RedHat/CentOS, Storage, SAN, Scripting, Hardening, Ansible, Docker, RZ-Betrieb, Monitoring, Nagios/Icinga, Prometheus/Grafana/Thanos, SQL

## **IT knowledge**

### **Solaris / UNIX / Linux**

profound internal Knowledge

Solaris 2.6, 7, 8, 9, 10, 11

RedHat Linux / CentOS 6, 7, 8

SLES 12, Oracle Linux

Hardening, Security

Continuity of operation

Software management

Solaris Jumpstart server

LiveUpgrade in all combinations of OS/SAN/VxVM/LVM/Cluster

Large scale system administration

Virtualization: Solaris Zones (profound knowledge)

Oracle VM Virtualbox (basic knowledge)

VMware (basic knowledge)

Solaris LDOMs (theoretical knowledge)

## **Cluster**

### **SunCluster:**

profound internal Knowledge

Integration of complex applications and software

(c.f. Sun SamFS, BEA Tuxedo)

proactive management

Operation of complex configurations

### **Veritas Cluster Server:**

good internal Knowledge

Integration of complex applications and software

(c.f. Sun AVS, Sun SamFS)

### **Pacemaker:**

good hands-on knowledge

## **Storage**

profound knowledge with regard to

heterogenous architectures

redundancy and High Availability

Virtualization:

AVS (SUN Availability Suite): very good knowledge, extensive experience in cluster integration

Veritas VxVM: extensive knowledge, long standing experience in productive environments;

ZFS: very good knowledge

MPxIO: very good knowledge

Hitachi HDS 9990 and VSP TrueCopy (HORC)

Linux LVM/LVM2

Interruption-free operation and migration

Creation (and migration into) reproducible, performance optimized configurations

SAN:

Brocade Silksworm switches

QLogic

iSCSI

### **Hierarchical Storage Management HSM**

samfs: good knowledge regarding installation in environments of low and mid-level complexity,  
profound knowledge in cluster integration

### **Container**

docker, podman: good knowledge

### **Data center operations**

Redundancy / Availability / Security

Easiness of operations

Environments > 90 nodes

Central administration

proactive management

Monitoring:

Icinga/Nagios: very good knowledge

BMC Patrol: basic knowledge

Directory services (NIS, NIS+, DNS, LDAP)

### **Server**

SUN: large bandwidth of server architectures

UltraSparc ~v240 ... SF25k, M5000; T2000, T5x00

### **Databases**

Oracle 8, 9, 10g, 11, 12

MySQL

Sybase

MS SQL Server

## **Legato**

Integration into complex server environments, HSM etc.  
Cluster integration

## **Scripting**

Automation  
Shell / ksh / bash: very good knowledge  
Perl: good knowledge  
awk/sed: very good knowledge  
PHP: good knowledge  
C: basic knowledge  
TCL: basic knowledge

## **Network**

TCP/IP  
IPMP  
LACP  
ssh

## **Other knowledge**

Acquisition, analysis & visualization of complex performance data  
project management  
ITIL  
Training  
Technical / scientific background  
Systematics  
Triple'A  
agile project management

## **Over-all knowledge**

IBM AiX  
VMS  
Embedded Linux: Raspberry Debian  
MediaWiki  
NetBeans  
Experience in heterogenous environments:  
Banking  
Online trading platform  
Industries  
Science and Education  
Media  
Telecommunications

## Projects

Selected Projects and engagements:

### **12/2021-06/2022 Online Banking / Comdirect Bank AG**

UNIX expert

Development of a performant, redundant, scalable Monitoring Platform

Container

Prometheus

Thanos

Grafana

Ansible

### **03/2019-09/2020 Online Banking / Comdirect Bank AG**

UNIX expert

Agile environment

Support / optimization banking applications

Monitoring

team member training UNIX

### **01/2018-12/2018 Investment Banking / ING Brussels**

UNIX expert / scripting

Agile managed project

Support / Upgrade Triple'A environment

Migration & simplification of Nightload workflow from Cloverleaf to Opwise

Scheduler

Monitoring (Icinga)

team member training UNIX

### **10/2016-12/2017 IT Service Provider Akquinet Hamburg**

Storage expert / perl programmer

Development of an accounting subsystem for storage and backup data concerning allocation and configuration, feeding to DWH (PostgreSQL) and CMDB (MS SQL Server)

### **04/2017 Health Insurance Techniker Krankenkasse Hamburg**

Linux expert / Active Directory Integration

Integration of a group of Linux cluster servers (SuSE) into the local Active Directory system regarding given side conditions

### **08/2014-09/2016 Print media / publishing, Hamburg**

Senior Solaris/Veritas Storage Foundation, Storage and Backup Consultant

Management & optimization of Hitachi VSP Storage, SAN, Solaris and Veritas Netbackup and Storage Foundation

### **09/2012-08/2014 Print media / publishing, Hamburg**

Senior Solaris/Linux/Veritas Storage Foundation Consultant  
Management, optimization & conceptual design of database and application servers on Solaris and SuSE Linux ES and Symantec Veritas Cluster, Volume Manager & File System; provision of high availability, Solaris zones, monitoring, proactive management

**04/2012-08/2012 Fiducia, IT service provider, Karlsruhe**

Senior Solaris/UNIX Consultant

Provisioning, monitoring and optimization of Managed Services in finance business in highly available environments, ensuring the adherence of service level agreements

**2011-2012 Telecommunications, MobilCom Elmshorn, Germany**

Senior Solaris Consultant

Concepts and implementation of the migration of business relevant legacy systems (billing, CRM, DWH) to reference systems, data and hardware migration, massive virtualization of hosts (Solaris zones), konzeptual work and execution of retreat of legacy systems

**2010-2011 Telecommunications, Debitel Elmshorn, Germany**

Senior Solaris Consultant

Concepts and implementation of the migration of a monitoring system from BMC Patrol to Nagios (approx. 120 units, 2000 services), concept on alarming and event filtering, database driven control of duty; development and implementation of numerous partially complex services (storage, backup, databases, zones, zfs, cluster, VxVM, SMF, SAN, swap, cron, memory leaks etc.); standardization, documentation

**2009-2011 Telecommunications, Talkline Elmshorn**

Senior Solaris & Storage Consultant

General support, consulting and technological transfer in the fields Solaris, Sun Cluster, storage, SAN, data center operations, network, security, performance, monitoring, central administration, scripting  
Massive Virtualization of servers  
Acquisition and management of storage capacities on HDS 9990, EMC CX700, StorEdge 6540/6920  
Automation of license surveys

**2008-2009 Telecommunications, Talkline Elmshorn, Germany**

Senior Solaris Consultant

Conception and implementation of the migration of the IT platform the scope of a company fusion; extension of billing, customer resource management, data warehouse, order entry etc., migration of the billing systems from 2 \* E15k / Solaris 9 / SC 3.1 / SE6540 to 4 \* SF25k / SC 3.2 / Hitachi HDS 9990 / Solaris 10

## **2008 Deutscher Wetterdienst, Offenbach, Germany**

SUN Cluster Consultant

Extension and optimizations for cluster agent  
due to version upgrade of SamFS; recovery speedup

## **2008 Telecommunications**

Senior SUN Consultant

Planing HDS ShadowImage  
Conception and implementation of Sun Availability Suite  
for the replication of the billing systems (disaster recovery)

## **2008 Telecommunications**

Senior Solaris Consultant

Conception of data migration of Billing, CRM, Order Entry etc.  
from SE6540 / SE6920 to Hitachi HDS 9990;  
planing HDS LDEV / LUSE layout, implementation of testsystem,  
planing, implementation, analysis, documentation of benchmarks  
for different storage layouts

## **2007-2009 Telecommunications**

Senior Solaris & Storage Consultant

General support, consulting and technological transfer in the fields  
Solaris, Sun Cluster, storage, SAN, data center operations, network,  
security, performance, monitoring, central administration, scripting  
Virtualization of servers  
Consolidation and organization of storage systems  
Consolidation of server platforms and cluster systems

## **2007 Print media, Holzminden, Germany**

Senior Solaris Consultant

Revision of the failover concept of the editorial platform,  
partial re-conception, creation of a user interface for takeover,  
integration of a USV  
Solaris 8, direct attached storage

## **2007-2008 Telecommunications**

Senior Solaris & Storage Consultant

General support, consulting and technological transfer in the fields  
Solaris, Sun Cluster, storage, SAN, data center operations, network,  
security, performance, monitoring, central administration, scripting  
Development of concepts:  
- LiveUpgrade with cluster and zones  
- virtualized operation of integrated legacy systems in cluster

**2007-2008 Publishing / media, Hannover, Germany**

Senior Solaris / UNIX Consultant

Conception and rollout of the consolidation of the process monitoring of proprietary systems and tools to Nagios;  
Support of Solaris, Sun Cluster, SAN, storage;  
Workshops: UNIX, KSH

**2006-2007 Aviation, Hamburg, Germany**

Senior Solaris & Veritas Cluster Consultant

Support on buildup of a Veritas Cluster environment running Solaris 10, zones, SAN, HDS 9990, Oracle databases  
Concept on sizing and provision of storage, sizing of zones, implementation of install server, training, concept for verification procedures, support of overall tests  
Deployment of Veritas Cluster agent for HSM/SamFS

**2006-2010 Deutscher Wetterdienst, Offenbach, Germany**

SUN Cluster Consultant

Last level support for SamFS cluster integration

**2006 Aerospace industries, Hamburg, Germany**

Solaris & Cluster Consultant

Support with datacenter consolidation, DOCMASTER cluster evaluation

**2006 Private bank, Munich, Germany**

SUN Cluster Consultant

Sun Cluster: SamFS integration,  
extension for Sony Petasite tape library

**2006 Aerospace industries, Laupheim, Germany**

SUN Cluster Consultant

Migration support for Sun Cluster, SAN;  
Storage performance analysis

**2005 Print media, Hamburg, Germany**

Veritas Cluster Consultant

Veritas Cluster Server:  
Concept and implementation of a complex integration of SUN Availability Suite Instant Image on a five-node cluster providing minimal blocking of non involved II groups during switch / failover

**2005 Deutscher Wetterdienst, Offenbach**

SUN Cluster Consultant



Sun Cluster: integration of ecfs and SamFS,  
optimizations

**2004 Labour union society, Berlin, Germany**

Solaris Consultant

Support on spatial migration of the entire IT platform

**2004 Energy industry, Oldenburg, Germany**

SUN Cluster Consultant

Sun Cluster: integration of Oracle, Remedy, Apache

**2003-2004 Telecommunications, Elmshorn, Germany**

SUN Consultant

Support in the conception and execution of procedures to the  
Achievement of SOX conformity (Disaster Recovery ability);  
hardware relocation and migrations

**2003-2005 Aerospace industries, Laupheim, Germany**

SUN Cluster Consultant

conception & rollout of Sun Cluster, SAN, Storage (SUN T3);  
deployment of cluster agent for HSM / SamFS

**2003 Logistics, Bremerhaven, Germany**

Solaris Consultant

Re-installation 2 \* Solaris 8, connection of FCAL Storage A5000,  
data center assessment, network junction

**2003 T-Systems PCM, Hamburg, Germany**

SUN Cluster Consultant

Installation & configuration of backup system (Legato) on Sun Cluster,  
connection of tape library; cluster integration Oracle; conception  
and establishment of archive logfile backup

**2002 Bank, Gera, Germany**

Solaris Consultant

Connection of EMC Clariion to SunFire 4800 via Emulex HBAs

## Testimonials

Contact data of the referrers will be happily provided on request

1) (telecommunication enterprise, approx. 1000 emp.)

Mr. Erasmi has been working for several years as a consultant for our company, both project-oriented in various complex design and migration projects in a highly productive environment and in long-term know-how transfer in Solaris, cluster, virtualization, automation and storage / SAN.

In addition, he also developed concepts, among others in the area of disaster recovery, backup, control, centralized administration, IT security, in particular, system hardening, performance management and more.

Due to his strong technical expertise and his excellent team skills, he has integrated quickly into our team and our processes. His teammates and colleagues appreciate him as an extremely competent, reliable and at the same time friendly and helpful colleague. Despite his role as an external consultant, he is, from the management perspective, a fully integrated, loyal team member. His work is always exemplary structured, well documented and traceable.

He does not lose, nor in unexpected situations, nor operating in projects with high technological complexity, the sight of the big and important business needs. The consideration of cost is one of its assessment criteria for a solution.

Mr. Erasmi brought in the entire time working for our company in numerous customer environments, his experience gained in terms of technology, process and cost optimization. The confidentiality requirements of his customers were always respected. Through his assistance we were able to increase the maturity of the data center operations, and he clearly made a substantial contribution to the service level improvement, cost reduction and certification achievements, such as SOX compliance.

The use of Mr. Erasmi has up to date always made sense from an economic point of view. His expertise would have been to build in-house at a reasonable cost only in exceptional cases.

I can recommend Mr. Erasmi with conviction.

2) (IT service provider for aerospace, approx. 3000 emp.)

Mr. Erasmi supported us in building a service area with SUN Sf20k, T2000, Solaris, a large number of zones (> 90), Oracle databases and applications running on Veritas Cluster Server, Veritas Volume Manager, SAN, Hitachi HDS 9990, Oracle and SamFS.

In addition, he created several concepts for the construction, operation and verification of the surrounding components and conducted staff training. He has extensive expertise and knows to provide it with great team spirit and friendly style very well and always communicate to our complete satisfaction into technical solutions. Even outside regular operating times for us, he was always approachable and responded to inquiries always timely.

His dynamic approach to the challenges encountered were very helpful to us to complete the project successfully within the tight time frame given.

I would appreciate any time to work again with Mr. Erasmi.

3) (Sun Microsystems GmbH, Professional Services, IT service provider)

Wolfgang Erasmi has supported me during my time at Sun Microsystems Inc. for more than a decade as an external consultant in a variety of consulting projects and long-term support to our customers.

His main application is highly available Unix (primarily Solaris) / storage on the SAN and NAS environments, both in system integration and planning, as well as the operation of the systems. Mr. Erasmi has created for our customers technically perfect documentation and was also assigned as a coach for in-house training.

Mr. Erasmi is a very dedicated employee who has supported us and our customers at all times with high motivation and his excellent skills in consistent high quality and quantity.

Because of his personal and professional competence, he was by our customers - and is one of mine - very valued colleague and business partner, whom I continue to recommend you and with whom I would always work together again.

I am grateful for the many years of cooperation!