

# KRZYSZTOF BRZOZA

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Cloud, Servers, Network, Storage and Security admin with Infrastructure Architect and Deployment skills

## Experience

10.2024 – Present

### **CLOUD SOLUTION ARCHITEKT**, SPACENET A.G.

- Design, implement, and optimize cloud architecture based on business and technical requirements.
- Collaborate with development and operations teams to migrate servers to the cloud.
- Preparing OS Images
- Monitor, analyze performance, and optimize HCS.
- Ensure compliance with security policies and industry standards.
- Upgrade HCS in cooperation with the manufacturer.
- Conduct training sessions and mentor teams and customers.
- Provide guidance on best practices for HCS cloud.

08.2019 – 09.2024

### **SENIOR SYSTEMADMINISTRATOR**, UNITED-DOMAINS A.G.

- Implement, configuration, manage and troubleshoot mail, webhosting, database and DNS clusters based on Debian linux with DRBD, Pacemaker, Heartbeat, IPVS, Haproxy, MySQL Percona XtraDB cluster as physical and/or KVM, lxc container based machines/containers (roughly 1200+ machines)
- Migration of servers to new hardware and/or virtualize them local in datacenter or with usage of virtualized cross link or intercontinental network bridges on 2<sup>nd</sup> and 3<sup>rd</sup> OSI layer
- Planning, implement and secure connection from scratch between current company and the mother-company, which include among others, routing, remapping DNS, and network address translation to avoid ip collisions and duplicating IP addresses
- Planning and implementation from scratch new AWS environment, which includes:
  - Network concept with IPSec connection(On AWS and multiple on-premises sites)
  - Security concept (new security zones, security groups, ACL's and routing)
  - Offsite backup to AWS for disaster recovery
- Configure, manage and troubleshoot network and appliances – Force10, Dell and HP based
- Assist and support developer teams to achieve theirs goals and improvements
- Assist and troubleshoot BI team with theirs tools
- Planing and implementing Hashicorp Vault
- Datacenter onsite visits for relocating and reorganizing servers and devices in racks and Cable management
- Automate and provision tasks via Ansible roles and playbooks
- Automatic tasks and monitoring based on Bash and Python
- Keeping up to date environment with patch and updates management
- 24/7 On-call duty shift
- Managing hardware from following vendors onsite in Datacenter and remote:
  - Dell R series Servers
  - Force10, Dell and HP Switches
  - Mikrotik

- Managing operating systems:
  - Debian
  - pfSense
  - amazon linux
  - Windows clients
- Managing virtualization technology:
  - KVM/QEMU
  - lxc and docker containers
- Managing cloud providers:
  - AWS
  - Hetzner
  - OVH

09.2013 – 07.2019

**IT ADMINISTRATOR, IC CONSULT GROUP GMBH**

- Full lifecycle of environment from planning through implementing up to decommission across 5 locations physical and remote and all companies inside the iC Consult Group
  - Server environment containing servers and clusters based on Linux, Windows and Unix
  - Network environment and structure
  - Application and database servers like Backup solutions, VPN solution, OS Provisioning, monitoring solution, Web-hosting, version control, collaboration tools from Atlassian, BI dashboards, Active Directory, Microsoft Exchange and Databases
- Automation of time/event triggered tasks with bash scripting
- Design and implementation of asset managed system based on Jira
- Keeping up to date environment with patch and updates management
- End user support
- Managing hardware from following vendors onsite in Datacenter and remote:
  - Dell R series
  - HP DL and Switches
  - IBM X series
  - Sun Solaris
  - Apple Xserver
  - Juniper
  - Cisco
  - Mikrotik
- Managing operating systems:
  - Red-Hat
  - CentOS,
  - Suse Linux
  - pfSense
  - Ubuntu Server

- Windows Server 2008 and 2012RC2
- Sun Solaris
- OS X Server
- Managing virtualization technology:
  - VMware ESX
  - Microsoft Hyper-V
- Managing cloud providers:
  - AWS
  - OVH
  - Glück & Kanja

07.2008 – 08.2013

**SYSTEM ENGINEER, TIETO CZECH S.R.O.**

- 3rd tier responsible for Healthcare of Sweden for several Unix (Solaris and HP-UX clusters) and over 1100 Red-Hat servers spread across country
- Architect for SAP dynamic landscape (Red-Hat clusters farms virtualized in Vmware )
- 2nd tier responsibility for Banking and insurance group customers in Finland and Germany (numbers of AIX and Solaris clusters, Red-Hat servers) support for Unix and Linux based server farms
- Keeping up to date environment with patch and updates management
- Managing hardware from following vendors onsite in Datacenter and remote:
  - HP Blades
  - IBM
  - Sun
- Managing operating systems:
  - RedHat
  - Ubuntu Server
  - AIX
  - HP-UX
  - Solaris
- Managing virtualization technology:
  - VMware ESX
  - Solaris domains
  - AIX Power VM
  - HP-UX virtualization
- Managing cloud providers:

own cloud build for from scratch for our customer based on VMware ESX and RedHat for the purpose of hosting SAP instances with Software defined storage

02.2002 – 06.2008

**ADMINISTRATOR**, SILESIAN UNIVERSITY OF TECHNOLOGY – STUDENTS CAMPUS

- Linux servers and firewalls administration
- Network infrastructure planning and implementing
- Keeping up to date environment with patch and updates management
- Manage of team of 11 administrators
- Managing hardware from following vendors onsite and remote:
  - Own self build servers
  - HP, 3Com switches and hubs
- Managing operating systems:
  - Debian

## Education & Trainings

01.2021 – 01.2024

**INTERNAL TRAININGS REGARDING NETWORKS, OPERATING SYSTEMS AND APPLICATIONS USED AT UNITED-DOMAINS A.G.**, ONSITE AND ONLINE VIA LINKEDIN PLATFORM

06.2020

**AWS ONLINE SUMMIT**, ONLINE, AWS

12.2019

**AWS RE:INVENT**, ONLINE, AWS

11.2019

**ARCHITECTING ON AWS**, AWS

11.2019

**AWS TECHNICAL ESSENTIALS DAY**, AWS

01.2017

**IELTS**, BRITISH COUNCIL

09.2016

**JUNIPER IJOS**, JUNIPER

09.2016

**JUNIPER JRE**, JUNIPER

09.2016

**JUNIPER JSEC**, JUNIPER

06.2015

**ZABBIX CERTIFIED PROFESSIONAL**, ZABBIX

06.2015

**ZABBIX CERTIFIED SPECIALIST**, ZABBIX

04.2014

**MICROSOFT MS 20412**, ALTKOM

11.2014

**LDAP AND OPENLDAP IN LINUX**, ICT PRO S.R.O.

11.2013

**NETZWERKADMINISTRATION – INSTALLATION UND PFLEGE DER DATEV**,  
DATEV

05.2013

**VMWARE VSHERE: INSTALL, CONFIGURE, MANAGE 5.1**, VMWARE

04.2013

**RH401 RED HAT**, DATA SCRIPT

10.2012

**ORACLE DATABASE MANAGEMENT TRAINING 11G**, TIETO

05.2012

**RHCSA**, RED HAT INC.

05.2012

**HP BLADESYSTEM ADMINISTRATION; C-CLASS**, HP

04.2012

**ITIL V3 FOUNDATION**, AUTOCONT

03.2012

**PROJECT MANAGMEMENT BASIC WORKSHOP**, TIETO

06.2010

**SYMANTEC HIGH AVAILABILITY FUNDAMENTALS WITH VERITAS STORAGE  
FOUNDATION 5.1 AND VERITAS CLUSTER SERVER 5.1 FOR SOLARIS**,  
SYMANTEC

12.2009

**SOLARIS S10 A2**, ALTKOM

11.2009

**RHCSA**, RED HAT INC.

11.2009

**RHCT**, RED HAT INC

04.2009

**AIX WORKSHOP FOR UNIX ADMINISTRATORS**, IBM

12.2008

**SOLARIS S10 A1**, ALTKOM

## Skills

- Linux, Windows, Unix
- Network
- Scripting and Automation
- Virtualization
- Security
- Monitoring

## Languages

- Polish – Native
- English – Fluent
- German – Fluent
- Czech – Intermediate

## Diplomas, Certificates and References

- Available under this link <https://ref.wylacz.net/>
- Password for PDF Equator-Cursor-Bobtail

## Few highlights from my home sandbox

- Network is stretched over 3 countries with 4 border gateways.
- Different VLAN's for different purposes
- Clustered networks and services
- Containerized environment
- Automation for every idea which simply pops-up
- Security always on the first place
- Monitoring of environment
- On- and offsite backup