

Abkürzungen

Netzwerktechnik & Protokolle

IP – Internet Protocol

MAC – Media Access Control

DNS – Domain Name System

DHCP – Dynamic Host Configuration Protocol

NAT – Network Address Translation

VPN – Virtual Private Network

LAN – Local Area Network

WAN – Wide Area Network

WLAN – Wireless Local Area Network

SSID – Service Set Identifier

BSSID – Basic Service Set Identifier

ARP – Address Resolution Protocol

ICMP – Internet Control Message Protocol

TCP – Transmission Control Protocol

UDP – User Datagram Protocol

FTP – File Transfer Protocol

HTTP – Hypertext Transfer Protocol

HTTPS – HTTP Secure

SSL – Secure Sockets Layer

TLS – Transport Layer Security

QoS – Quality of Service

IHL – Internet Header Length

ToS – Type of Service

DSCP – Differentiated Services Code Point

TTL – Time to Live

MPLS – Multiprotocol Label Switching

BGP – Border Gateway Protocol

OSPF – Open Shortest Path First

EIGRP – Enhanced Interior Gateway Routing Protocol

STP – Spanning Tree Protocol

RSTP – Rapid Spanning Tree Protocol

VLAN – Virtual Local Area Network

PoE – Power over Ethernet

Betriebssysteme & Systemadministration

OS – Operating System

GUI – Graphical User Interface

CLI – Command Line Interface

BIOS – Basic Input/Output System

UEFI – Unified Extensible Firmware Interface

VM – Virtual Machine

VMM – Virtual Machine Monitor

KVM – Kernel-based Virtual Machine

LVM – Logical Volume Manager

RAID – Redundant Array of Independent Disks

ACL – Access Control List

AD – Active Directory

LDAP – Lightweight Directory Access Protocol

SUDO – Superuser Do

SELinux – Security-Enhanced Linux

RPM – Red Hat Package Manager

APT – Advanced Package Tool

YUM – Yellowdog Updater Modified

ZFS – Zettabyte File System

EXT – Extended File System

Speichertechnologien & Dateisysteme

HDD – Hard Disk Drive

SSD – Solid State Drive

NVMe – Non-Volatile Memory Express

SATA – Serial Advanced Technology Attachment

SCSI – Small Computer System Interface

NAS – Network Attached Storage

SAN – Storage Area Network

FS – File System

FAT – File Allocation Table

NTFS – New Technology File System

EXT – Extended File System

ISO – International Organization for Standardization (auch: ISO-Dateiformat)

ODF – Open Document Format

CSV – Comma-Separated Values

JSON – JavaScript Object Notation

XML – Extensible Markup Language

IT-Sicherheit

2FA – Two-Factor Authentication

MFA – Multi-Factor Authentication

OTP – One-Time Password

PKI – Public Key Infrastructure

SSL – Secure Sockets Layer

TLS – Transport Layer Security

VPN – Virtual Private Network

IDS – Intrusion Detection System

IPS – Intrusion Prevention System

SIEM – Security Information and Event Management

SOC – Security Operations Center

DLP – Data Loss Prevention

EPP – Endpoint Protection Platform

EDR – Endpoint Detection and Response

APT – Advanced Persistent Threat

CVE – Common Vulnerabilities and Exposures

MITM – Man-in-the-Middle

DoS – Denial of Service

DDoS – Distributed Denial of Service

Künstliche Intelligenz & Datenanalyse

AI – Artificial Intelligence

ML – Machine Learning

DL – Deep Learning

NLP – Natural Language Processing

ANN – Artificial Neural Network

CNN – Convolutional Neural Network

RNN – Recurrent Neural Network

GAN – Generative Adversarial Network

KNN – K-Nearest Neighbors

SVM – Support Vector Machine

PCA – Principal Component Analysis

EDA – Exploratory Data Analysis

ETL – Extract, Transform, Load

BI – Business Intelligence

OLAP – Online Analytical Processing

KPI – Key Performance Indicator

Softwareentwicklung & DevOps

API – Application Programming Interface

SDK – Software Development Kit

IDE – Integrated Development Environment

CI/CD – Continuous Integration / Continuous Deployment

VCS – Version Control System

Git – Verteiltes Versionskontrollsystem

SVN – Subversion

JIRA – Projektmanagement-Tool

Agile – Agile Softwareentwicklung

Scrum – Agiles Framework

Kanban – Visualisierungsmethode

TDD – Test-Driven Development

BDD – Behavior-Driven Development

UML – Unified Modeling Language

JSON – JavaScript Object Notation

YAML – YAML Ain't Markup Language

Gerätetechnik & Hardware

CPU – Central Processing Unit

GPU – Graphics Processing Unit

RAM – Random Access Memory

ROM – Read-Only Memory

SSD – Solid State Drive

HDD – Hard Disk Drive

USB – Universal Serial Bus

HDMI – High-Definition Multimedia Interface

VGA – Video Graphics Array

LCD – Liquid Crystal Display

LED – Light Emitting Diode

OLED – Organic Light Emitting Diode