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Acknowledgement

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Abstract

TBD

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List of Abbreviations

API Applicaton Program Interface

ASIL Automotive Safety Integrity Levels

BPF Berkeley Packet Filter

Bash Bourne-again shell

BIOS Basic Input/Output System

BLOB Binary Large Object

BMP Bitmap

CISC Complex Instruction Set Computing

CPU Central Processing Unit

DLL Dynamic Link Library

DMA Direct Memory Access

DOS Disk Operating System

DRAM Dynamic Random Access Memory

eBPF Linux Enhanced BPF

FIDL Fuchsia Interface Description Language

FTP File Transfer Protocol

GPU Graphics Processing Unit

GUI Graphical User Interface

GUID Globally Unique Identifier

IDE Integrated Development Environment

IP Internet Protocol

IPC Inter Process Communication

ISO International Organization For Standardization

KDE K Desktop Environment

KOID Kernel Object ID

LK Little Kernel

MBR Master Boot Record

OS Operating System

QEMU Quick Emulator

RAM Random Access Memory

RTE Runtime Environment

SDK Software Developement Kit

SSH Secure Shell

SSL Secure Sockets Layer

TOML Tom's Own Minimal Language

VM Virtual Machine

UDP User Datagram Protocol

URL Uniform Resource Locator

VGA Video Graphics Array

VPI Virtual Path Identifier

vDSO Virtual Dynamic Shared Object

WIP Work in Progress

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