14.08.2021

HTML Standard

MPEG-4 – Wikipedia

mpeg-2 - Bing

MPEG-1 – Wikipedia

MPEG-7 – Wikipedia

SemanticMetadata.net | The home of Caliph & Emir and LIRE.

MP3 – Wikipedia

Ogg – Wikipedia

rfc3533

Darstellungstheorie – Wikipedia

1911.04783.pdf

Nokia X platform - Wikipedia

Assembly-Manifeste - Win32 apps | Microsoft Docs

Android Studio - Wikipedia

Bionic (software) - Wikipedia

KornShell - Wikipedia

CHFS - Wikipedia

UBIFS - Wikipedia

IBM AIX - Wikipedia

IBM ROMP - Wikipedia

IBM RT PC - Wikipedia

PowerQUICC - Wikipedia

QUICC - Wikipedia

MQX - Wikipedia

QorIQ - Wikipedia

Skip list - Wikipedia

Themenbereiche der Ausbildung zur BuchbinderIn in der Einzel- und Sonderfertigung

Microsoft Word - BuD20200103_Hiwi_BuD_01-20_Digitalisierung

Software Architecture for DO-160 Qualification of STM32H7 based systems

Antragsverfahren – Servicestelle Teilzeitstudium, Studieren mit Kind – TU Darmstadt

Complex understatement

The Architecture of Open Source Applications: LLVM

BLAST (biotechnology) - Wikipedia

WebFTP - manitu

HTML 5 (data-* attributes)

In Firefox 49.0.2 (and perhaps earlier/later versions), the data attributes that exceed 1022 characters will not be read by Javascript (EcmaScript 4).

URL Encoding Reference

The ASCII control characters %00-%1F were originally designed to control hardware devices.

(sind 32 control codes)

- Windows 1252
- UTF-8
- ASCII Character vs. URL-encoding

HTML URL Encoding Reference

Virtual Brief | Learn more about MSSA

The Electronics Inside 47: We Teardown the Nint... | element14 | The Electronics Inside

Twitter sets up crypto team to explore decentralised apps | Financial Times

Libraries Leading the New Normal & Beyond – R. David Lankes

An App Called Napster | System Shock Ep 1

The Music Industry Strikes Back | System Shock Ep 2

Rare IBM Film: "The Big Switch" 1963, and 1410 Data Processing System, Computer Network Automation

The Music Plays On...Demand | System Shock Ep 3

"A fisherman always sees another fisherman from afar" – Wall Street: Money Never Sleeps (2010) - YouTube

The Big Short (2015) - Jared Vennett calls a Wrong Number [HD 1080p] - YouTube

The Big Short - "Jenga" Clip (2015) - Paramount Pictures - YouTube

Wall Street - Geld schläft nicht - Ist Gier gut? - YouTube

WALL STREET: Geld schläft nicht - Clip "Familienangelegenheit" - Deutsch / German - YouTube

Virtual Floppy Disk Driver | eCSoft/2

PMShell | eCSoft/2

CMake – Embedded Use

How do CRCs work?

Die Automatische CRC-Prüfung als StreamObjekt is called HuffingCode which is using the hammingDistance to detect and in simple case: will corrected the binary codet Symbols.

Die Wahl zur definietion eines Binären-Alphabets in der Informatik, ist nicht auf dem ersten Blick Selbstkennend. Denn die dualtätsbeziehung in der Informationstechnik wird erst durch die Message referenzierbar!!!
Somit ist die Definition von (1+1=0) erst durch die dualität in der Verarbeitung am endpunkt gültig.
Start=(1+1=0)
Translat=> (1+1=2 [1/2))
Resive=>(1/2]*2=1 (2mal) => 1-1=0

Diese 1+1/2 endpunkte verdoppeln sich, durch die anwengung der CRC prüfung. Womit das Maxmimum der Schrittweite bei 3BIT liegen kann.
Also 1+1/2 die Message && 1+1/2 die CRC Prüfung.

Dieses MessageMuster muss nun noch an dem Speichermanagement Reflektiert werden und unter verwendung der TLB mit mit dem MessageMuster Konnotieren.

Dadurch erhält die MMU ihre Annotation zur effizienten Datenspeicherung und Abfrage Systematik.

Math 4120 (Modern Algebra), Fall 2021

How do SSDs Work? | How does your Smartphone store data? | Insanely Complex Nanoscopic Structures!

How does Bluetooth Work?

How a CPU Works

Die Differenz zwischen dem H263 & H264 symbolisiert recht anschaulich, die Differenz von WinX(romDOS) und Win7/8/RT.

The first version of H.263 supported a limited set of picture sizes:

- 128x96 (Sub-QCIF)
- 176x144 (QCIF)
- 352x288 (CIF)
- 704x576 (4CIF)
- 1408x1152 (16CIF)

H.263v2 also added support for flexible customized picture formats and custom picture clock frequencies. As noted above, the only picture formats previously supported in H.263 had been Sub-QCIF, QCIF, CIF, 4CIF, and 16CIF, and the only picture clock frequency had been 30000/1001 (approximately 29.97) clock ticks per second.

In August 2005, an implementors guide was approved to correct a small error in the seldom-used Annex Q reduced-resolution update mode.

- Annex X (originlly specified in 2001)
  Proofiles and levels definition

H.323 is a system specification that describes the use of several ITU-T and IETF protocols. The protocols that comprise the core of almost any H.323 system are part vise based on (Q.931)

H.263 - Wikipedia

3GP and 3G2 - Wikipedia

H.323 - Wikipedia

The H.32(3) Gateways, uses TCP port number 1720

- H.255.0 >||<H.255.0
- H.224
- RTP (Real-Time-Protocol)

Codecs & Architecture

- Audio codecs: AAC-LD , Speex,
  G.7-|11|29|23|26|22|28
- Text codecs T.140
- Video codecs: H.261, H.263, … H.264,H.265

ENDpoint collectively MCUs,Gateways,Terminals!
as a complete, sophisticated protocol stack IP

- Data App:]UDP(V.150) TCP(T.120)[T.38
- Media Control: (RTCP::[AUDIO/VIDEO] RTP) per UDP
- Terminal Control and Management
  TCP/UDP H.225.0 CallSignal
  TCP H.245
  UDP H.225.0 RAS
- All in ALL :: Multimedia App, User Interface

MCU: MultiPoint Control Unit

- MC: Multipoint Controller
- MP: Multipoint Processor

MCUs might be capable of mixing or switching video, in addition to the normal audio mixing done by a traditional conference bridge.
| also provide multipoint data collaboration capabilities. |
by placing a video call into an H.323 MCU, the user might be able, see all of the other participants in the conference, not only hear their voices. (oder als UserInterface)

FFmpeg - Wikipedia

Blackfin - Wikipedia

rfc292

Graphics Protocol - Level 0 Only

12. January 1972 | RFC292 Jim Michener, MAC

Memory Organization

A NOR flash device memory array is physically divided into blocks. a block's size is 64 kB which is also the smallest erasable unit. Blocks can be further divided, down to memory cells. The memory cell size depends on the device architecture and is 8- (byte), 16- (half word) or 32-bit wide (word). The memory cell architecture also defines smallest programmable unit, which must be maximum 32-bit for use with the Embedded File System.

The file allocation information record (FAIR) consists of 8 bytes and has the components:

- end is address of the file fragment.
- fileID is associated with the file name.
- index is the file fragment ordering number, which starts at 0 for each file.

```
struct falloc {
  uint32_t end;
  uint16_t fileID;
  uint16_t index;
};
```

Block Signature

Each block contains a signature, consisting of
4 bytes and determines if block is: empty | used | full

ASN.1 - Wikipedia

.NET Micro Framework

.NET Micro Framework - Wikipedia

Mixed-signal and digital signal processing ICs | Analog Devices

FAT File System

Block Signature

Each block contains a signature, consisting of
4 bytes and determines if block is:

empty i.e. erased
used but more data can be written into it
used temporarily during defragmentation
full and cannot be written anymore (only erased)

In the Embedded File System, a file name consists of maximum 31 characters.
Directories are not supported,
therefore any file name which contains a directory separator character, such as (/) or (\), is rejected as invalid. Other characters are allowed.

- Maximum file name length is limited to 31 .
- Minimum block size should be 512 bytes or more.
- Directories or folders are not supported.
- Multiple active file handles per file are allowed only for files opened in read mode.
- (fseek) within files only opened in read mode.
- File update modes (r+, w+, a+) (fopen) are not supported.
- Timestamp information is not supported
- Drive partitions are not supported.
- The EFS is not compatible with FAT and cannot be used with a USB mass storage device.