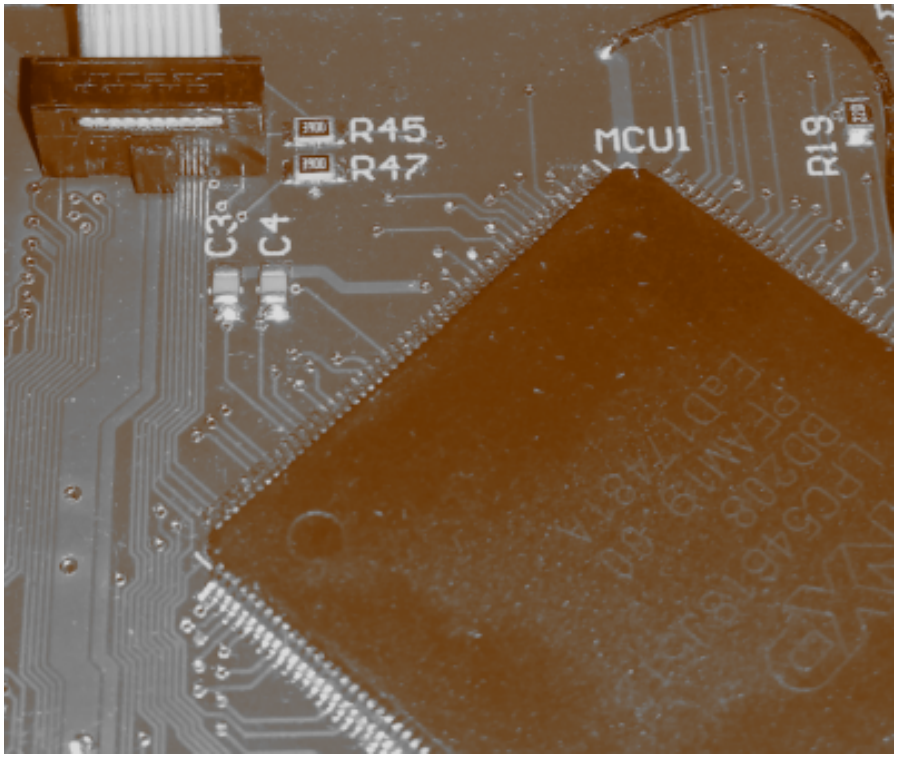
OpenOCD 0.11.0 released!

Tak sme sa dočkali! Zhruba po 4 rokoch bola uvoľnená nová verzia.
Sťahujte odiaľto: sourceforge.net

Skompilované binárky budú (dúfam, že o chvíľu) tu.



Kompletnú históriu zmien nájdete tu.

Najdôležitejšie zmeny sú tieto:

JTAG Layer:

- add debug level 4 for verbose I/O debug

- bitbang, add read buffer to improve performance

- Cadence SystemVerilog Direct Programming Interface (DPI) adapter driver

- CMSIS-DAP v2 (USB bulk based) adapter driver

- Cypress KitProg adapter driver

- FTDI FT232R sync bitbang adapter driver

- Linux GPIOD bitbang adapter driver through libgpiod

- Mellanox rshim USB or PCIe adapter driver

- Nuvoton Nu-Link and Nu-Link2 adapter drivers

- NXP IMX GPIO mmap based adapter driver

- ST-Link consolidate all versions in single config

- ST-Link read properly old USB serial numbers

- STLink/V3 support (for ST devices only !)

- STM8 SWIM transport

- TI XDS110 adapter driver

- Xilinx XVC/PCIe adapter driver

Target Layer:

- 64 bit address support

- ARCv2 target support

- ARM Cortex-A hypervisor mode support

- ARM Cortex-M fast PC sampling support for profiling

- ARM generic CTI support

- ARM generic mem-ap target support

- ARMv7-A MMU tools

- ARMv7m traces add TCP stream server

- ARMv8 AARCH64 target support and semihosting support

- ARMv8 AARCH64 disassembler support through capstone library

- ARMv8-M target support

- EnSilica eSi-RISC target support, including instruction tracing eSi-Trace support

- MIPS64 target support

- Motorola SREC S6 record image file support

- RISC-V target support

- SEGGER Real Time Transfer (RTT) initial support (for single target, Cortex-M only)

- ST STM8 target support

- Various MIPS32 target improvements

Flash Layer:

- Atheros (ath79) SPI interface support

- Atmel atmega128rfa1 support

- Atmel SAM D21, D51, DA1, E51, E53, E54, G55, R30 support

- Atmel SAMC2?N
- support

- Cypress PSoC5LP, PSoC6 support
- EnSilica eSi-RISC support
- Foshan Synwit Tech SWM050 support
- Maxim Integrated MAX32XXX support
- Nordic Semiconductor nRF51822, nRF52810, nRF52832 support
- NXP Kinetis K27, K28, KE1x, KEAx, KL28, KL8x, KV5x, KWx support
- Renesas RPC HF support
- SH QSPI support
- SiFive Freedom E support
- Silicon Labs EFR-family, EZR32HG support
- ST BlueNRG support
- ST STM32 QUAD/OCTO-SPI interface support for Flash, FRAM and EEPROM
- ST STM32F72x, STM32F4x3, STM32H7xx support
- ST STM32G0xx, STM32G4xx, STM32L4x, STM32WB, STM32WL support
- ST STM32L5x support (non secure mode)
- TI CC13xx, CC26xx, CC32xx support
- TI MSP432 support
- Winner Micro w600 support
- Xilinx XCF platform support
- Various discrete SPI NOR flashes support

Board, Target, and Interface Configuration Scripts:

- 8devices LIMA board config
- Achilles Instant-Development Kit Arria 10 board config
- Amazon Kindle 2 and DX board config
- Analog Devices ADSP-SC58x, ADSP-SC584-EZBRD board config
- Andes Technology ADP-XC7KFF676 board config
- Andes Technology Corvette-F1 board config
- ARM Musca A board config
- Arty Spartan 7 FPGA board config

- Atmel SAMD10 Xplained mini board config
- Atmel SAMD11 Xplained Pro board config
- Atmel SAM G55 Xplained Pro board config
- AVNET UltraZED EG StarterKit board config
- Blue Pill STM32F103C8 board config
- DP Busblaster v4.1a board config
- DPTechnics DPT-Board-v1 board config
- Emcraft imx8 SOM BSB board config
- Globalscale ESPRESSObin board config
- Kasli board config
- Kintex Ultrascale XCKU040 board config
- Knovative KC-100 board config
- LeMaker HiKey board config
- Microchip (Atmel) SAME54 Xplained Pro board config
- Microchip (Atmel) SAML11 Xplained Pro board config
- Nordic module NRF52 board config
- Numato Lab Mimas A7 board config
- NXP Freedom FRDM-LS1012A board config
- NXP IMX7SABRE board config
- NXP IMX8MP-EVK board config
- NXP MC-IMX8M-EVK board config
- QuickLogic QuickFeather board config
- Renesas R-Car E2, H2, M2 board config
- Renesas R-Car Salvator-X(S) board config
- Renesas RZ/A1H GR-Peach board config
- Rigado BMD-300 board config
- Sayma AMC board config
- Sifive e31arty, e51arty, hifive1 board config
- ST B-L475E-IOT01A board config
- ST BlueNRG idb007v1, idb008v1, idb011v1 board config

- ST STM32F412g discovery board config
- ST STM32F413h discovery board config
- ST STM32F469i discovery board config
- ST STM32F7 Nucleo board config
- ST STM32F723e discovery board config
- ST STM32F746g discovery board config
- ST STM32F769i discovery board config
- ST STM32H735g discovery board config
- ST STM32H743zi Nucleo board config
- ST STM32H745i discovery board config
- ST STM32H747i discovery board config
- ST STM32H750b discovery board config
- ST STM32H7b3i discovery board config
- ST STM32H7x_dual_qspi board config
- ST STM32H7x3i Eval boards config
- ST STM32L073 Nucleo board config
- ST STM32L476g discovery board config
- ST STM32L496g discovery board config
- ST STM32L4p5g discovery board config
- ST STM32L4r9i discovery board config
- ST STM32L5 Nucleo board config
- ST STM32MP15x DK2 board config
- ST STM32WB Nucleo board config
- ST STM8L152R8 Nucleo board config
- Synopsys DesignWare ARC EM board config
- Synopsys DesignWare ARC HSDK board config
- TI BeagleBone family boards config
- TI CC13xx, CC26xx, CC32xx LaunchPad board config
- TI MSP432 LaunchPad board config
- Tocoding Poplar board config
- TP-Link WDR4300 board config

- Allwinner V3s target config

- Andes Technology NDS V5 target config

- Atmel atmega128rfa1 target config

- ARM corelink SSE-200 target config

- Atheros_ar9344 target config

- Cypress PSoC5LP, PSoC6 target config

- EnSilica eSi-RISC target config

- Foshan Synwit Tech SWM050 target config

- GigaDevice GD32VF103 target config

- Hisilicon Hi3798 target config

- Hisilicon Hi6220 target config

- Infineon TLE987x target config

- Marvell Armada 3700 target config

- Maxim Integrated MAX32XXX target config

- Mellanox BlueField target config

- Microchip (Atmel) SAME5x, SAML1x target config

- NXP IMX6SX, IMX6UL, IMX7, IMX7ULP, IMX8 target config

- NXP Kinetis KE1xZ, KE1xF target config

- NXP LPC84x, LPC8Nxx, LS1012A, NHS31xx target config

- Qualcomm QCA4531 target config

- QuickLogic EOS S3 target config

- Renesas R-Car E2, H2, M2 target config

- Renesas R-Car Gen3 target config

- Renesas RZ/A1H target config

- Rockchip RK3308 target config

- ST BlueNRG target config

- ST STM32G0, STM32G4, STM32H7, STM32L0, STM32L5 target config

- ST STM32MP15x target config

- ST STM32WBx, STM32WLEx target config

- ST STM8L152, S003, S103, S105 target config

- Synopsys DesignWare ARC EM target config
- Synopsys DesignWare ARC HS Development Kit SoC target config
- TI CC13xx, CC26xx, CC32xx target config
- TI TNETC4401 target config
- Xilinx UltraScale+ target config
- Altera 5M570Z (MAXV family) CPLD config
- Xilinx Ultrascale, XCF CPLD config
- Intel (Altera) Arria10 FPGA config
- Cadence SystemVerilog Direct Programming Interface (DPI) interface config
- Cypress KitProg interface config
- Digilent SMT2 NC interface config
- DLN-2 example of Linux GPIOD interface config
- FTDI C232HM interface config
- HIE JTAG Debugger interface config
- In-Circuit’s ICprog interface config
- isodebug isolated JTAG/SWD+UART interface config
- Mellanox rshim USB or PCIe interface config
- Nuvoton Nu-Link interface config
- NXP IMX GPIO mmap based interface config
- Steppenprobe open hardware interface config
- TI XDS110 interface config

Server Layer:

- 64 bit address support
- default bind to IPv4 localhost
- gdb: allow multiple connections
- gdb: architecture element support
- gdb: vCont, vRun support
- telnet: handle Ctrl+A, Ctrl+E and Ctrl+K

RTOS:

- Chromium-EC rtos support
- hwthread pseudo rtos support
- NuttX rtos support
- RIOT rtos support

Documentation:

- Improve STM32 flash driver
- Various typo fix and improvements

Build and Release:

- Add libutil to support jimtcl version 0.80
- Clang warning fixes
- GitHub workflow for Win32 snapshot binaries
- Handle Tcl return values consistently
- Mitigation for CVE-2018-5704: Prevent some forms of Cross Protocol Scripting attacks
- Support for libftdi 1.5
- Travis-CI basic support
- Update libjaylink to version 0.2.0
- Update jimtcl to version 0.79
- Use external (optional) library capstone for ARM and AARCH64 disassembly