Utilities

This is a catalog of various utilities used to construct this site and develop all of the components needed to create and maintain various historically significant conservation efforts.

The build instructions are provided (where appropriate) because enhancements are inevitable in a hobbyist/conservationist process. Sometimes, it's important to modify the behavior or to add functionality in order to explore the works more deliberately.

Detail Project Pages

- archer.retro1.org
- IBM 360/370 Mainframe Architectures
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Available Downloads

Container (Version)	Downloads	Contents

CybisRelease1 (1.1.0SZ)	Documentation Win32 Release	Contains the base distribution of CYBIS including the NOS 287-871 operating system, with dtCyber INI file which is paired with the Desktop CYBER version distributed here. Disk images, deadstart tape and cyber.ini files. **Documentation** • CYBIS Operation and Usage Manual Document to describe the installation, operation and use of the system. • CYBIS Master File Listings • Introduction to TUTOR Language • PLATO Configuration Handbook • PLATO Installation Manual • PLATO Operator Guide • PLATO User's Guide • The TUTOR Language by Bruce A. Sherwood (Original Scans) • The TUTOR Language by Bruce A. Sherwood (Searchable PDF) **dtCYBER 5.5.1** Desktop CYBER version 5.5.1 emulator binaries and sources for Win32, MacOS X and Linux platforms. • Desktop Cyber Precompiled Binaries • Desktop Cyber Sources **PTerm 5.0.8** PTERM installation files for Win32, MacOS X and Linux platforms. • Desktop Cyber Precompiled Binaries • Desktop Cyber Sources • PLATO Terminal Emulator (Version 5.0.8) **File Details** • **CybisRelease1.zip** (2017/01/07 12:43:45) *SHA256: 207110c400ebbea3a7784f565b632622807ffd442028558ee5c54b5468789716*

dtCyber-5.7.34 (5.7.34)	Documentation Win32 Release Win32 Debug Win64 Release Win64 Debug	**This version number is now synchronized with Kevin Jordan's numbering convention.** This container is the latest distribution of DTCYBER with specific enhancements which extend the operation of the base dtCyber implementation by Tom Hunter. **This release contains significant bugfixes and some timing enhancements.** **Tested On:** • Windows 10 and 11 (64-bit and 32-bit) • Ubuntu Linux (64-bit and 32-bit) • FreeBSD Linux (64-bit and 32-bit) • RaspbianOS [Linux ARM-8-A] (64-bit) **Built upon Kevin Jordan's github baseline** **See Configuration Documentation on the Wiki for Details.** This version supports: • Optional line printer bursting on lp3000-class devices. • Proper line printer enhancements for ANSI/ISO printing. • Dedicated directory support for card-reader input. • Dedicated output directories for card readers, punches and line-printers. • Filesystem monitoring which monitors decks being submitted to the card reader's dedicated input directory and automatically submits them. Optionally, an output directory may be specified into which dtCyber will deposit processed decks. If this output directory is not specified, all decks submitted to the dedicated input directory are deleted after they are processed. • Enhancement of the load_cards command which supports the use of the asterisk (*) in place of the file name. IF there is a dedicated input directory specified for a card-reader the next file present (oldest-first) will be automatically queued for processing by the reader. • Display enhancements that decorate the windows with corresponding indicators uniquely identifying the dtCyber console to its related NOS console to reduce operator error. • Kevin's simulated hardware enhancements (*NIU, MUX, Tape Library, terminals, and many more...*). • Pre-processing of card decks to support special first-column codes: ◦ **}** Simulating the EOI = 6/7/8/9 card ◦ **~eof** Simulating the EOF = 6/7/9 card ◦ **~eor** Simulating the EOR = 7/8/9 card ◦ **~raw** Simulating RAW Binary card • ***Experimental:*** idle-loop handling to reduce CPU consumption. **File Details** • **dtCyber_5.7.34_x86R_Setup.exe** (2023/01/06 08:20:37) *SHA256: c9537fdaf755eec790b0e36f81302ef220dbabebee11233784f751771bf425a7* • **dtCyber_5.7.34_x86D_Setup.exe** (2023/01/06 08:20:33) *SHA256: c91d8bac204db6e420b3ffbb5fcc1477734da61f0012791c89e71e1472820cc0* • **dtCyber_5.7.34_x64R_Setup.exe** (2023/01/06 08:20:30) *SHA256: 201386a13a6fca00365f6283417428af4067d5dacc3782b1e10ba5e61e748d4b* • **dtCyber_5.7.34_x64D_Setup.exe** (2023/01/06 08:20:24) *SHA256: e9b31eae16145ddc4b3f0a7b11b69fb571d08323f3ebfb578d11296554feeda8*

Hyperion (4.4.1SZ)	Documentation Win64 Release	Windows Build of latest verified SDL distribution https://github.com/sdl-hercules-390/hyperion/commits/master **File Details** • **Hyperion.x64.4.4.1.10674-SDL-ga5508014.exe** (2022/04/18 19:36:14) *SHA256: be02bdc15cd70045680f433155ad5d4f8f3286be97cc88fe4c8e26d2690951d2*
NOSUtilities (1.0.1SZ)	Win64 Release	Windows Build of latest 'miscellaneous' NOS tools. The contents of this archive have been superseded by the 'nosutils' package. • asc2dc.exe • ascTo612.exe • atod.exe • bmptobdf.exe • cardlist.exe • cerl2mf.exe • check.exe • dd8xxcvt.exe • dmd.exe • dmp.exe • dmpbin.exe • dmpx.exe • dtoa.exe • dtoa2.exe • gen-aids.exe • gettap.exe • mag2tap_unix.exe • mastertool.exe • mf2p.exe • NosICreate.exe • NosIVerify.exe • nsfcvt.exe • pc.exe • pctobdf.exe • pf.exe • pldisk.exe • pms2png.exe • punch026.exe • puncher.exe • rawdump.exe • submit.exe • tapdmp.exe • tapextractIrec.exe • tapextractSIrec.exe • tapfixIrec.exe • tapgenIrec.exe • tapgenSIrec.exe • tapverifyIrec.exe **File Details** • **NOSUtilities.x64.1.0.1SZ.exe** (2022/12/13 19:13:19) *SHA256: 07db6ad2d7bd16189a11e3b6f0105437abba9430560bddc6cf38070c2984b0fb*

nosutils (1.0.1.beta)	Documentation OS-Independent Release	Multi-platform Build of NOS Tape tool 'nosutils' which is a rewrite/consolidation of all of the utilities found in the NOSUtilities package. The root of this zip archive contains the 64-bit Visual Studio compiled windows utilities: • NOS Utilities (nosutils.exe) • GZip for Windows (gzip.exe) The other precompiled binaries of **nosutils** are contained in their respective subdirectories: • Darwin.arm64 • Darwin.x86_64 • Linux.aarch64 • Linux.GNU.x86_64 • Linux.UBUNTU.x86_64 • MINGW32_NT-10.0-22621.x86_64 • MINGW64_NT-10.0-22621.x86_64 **File Details** • **nosutils.1.0.1.beta.multi.zip** (2023/01/20 13:53:36) *SHA256:* *ab454fd4d8016f6ee4f16f9c0437cb79bdc3d69d5e68dd9676dd22a5e3efb5c2*
PTerm.6.0.4 (6.0.4)	Win32 Release	This container is the 'clean build' of the CYBER1 distribution of the PLATO Terminal Emulator (PTERM) which include all functionality of microPLATO and both ASCII and CLASSIC Support. This version is built using Visual Studio 2019. **File Details** • **Pterm_6.0.4_Setup.exe** (2020/09/02 12:20:01) *SHA256:* *64093ad0643475b6e2c9a6260c12d3adc13a3f2368442c8f28cb22969c14d86a*
PTerm.6.0.5 (6.0.5SZ)	Win32 Release Win32 Debug Win64 Release Win64 Debug	This container is the latest distribution of the PLATO Terminal Emulator (PTERM) which include all functionality of microPLATO and both ASCII and CLASSIC Support. This version is built using Visual Studio 2022 and contains some enhancements for local printing. **File Details** • **Pterm_6.0.5_x86R_Setup.exe** (2023/01/06 08:21:22) *SHA256:* *4bd692b040e537d3936779cf46d1cd1085f5f963e4c54cf776ce3d641c152abf* • **Pterm_6.0.5_x86D_Setup.exe** (2023/01/06 08:21:09) *SHA256:* *1eda5be171d2f01b575e1a17af92490848f8d257229eb54c0c9fd924a584338b* • **Pterm_6.0.5_x64R_Setup.exe** (2023/01/06 08:20:58) *SHA256:* *4502c573767bbf287a448b362c0ab62662a2edf2dc2a8bb77be3a6797c47dd7d* • **Pterm_6.0.5_x64D_Setup.exe** (2023/01/06 08:20:48) *SHA256:* *5705a199f4336e842e6f157d181740cb49de4dbcace124839ed5f97b0ce547f8*

MicroPlato (1.1.1SZ)	OS-Independent Release	Contains the base distribution of microPLATO floppy disk containers: • Ansett Demonstration Disk • Artificial Intelligence • Basic Exploration Geophysics - Exploration Fundamentals/100 • Basic Exploration Geophysics - Nonseismic Methods/600 • Basic Exploration Geophysics - Seismic Data Interpretation/500 • Computer Crime • Computer Privacy • Computers and Employment • Computers and Government • Computers and the Future • Computers in the Classroom • Control Data 110 Instructional Disk • Electronic Funds Transfer • Introduction to Computers • Introduction to Programming in MBASIC parts 1 and 2 • MICRO PLATO INSTRUCTIONAL DISK 76773000A • Mathematics - High School Skills • McGraw-Hill Keyboarding Course • Overcoming Self-Defeating Behaviour • PLATO Master Delivery Disk • Robotics and Computers • Science - High School Skills **File Details** • **microPLATO.Originals.zip** (2020/10/09 12:35:38) *SHA256: 3512f899d621af1daa1b1fb08a6ce4da7977c7da7b560fe598ff0b74b25c3a4d*
TapeBrowse (2.1.1.1)	Documentation Win64 Release Darwin.x86_64 Release Darwin.aarch64 Release Linux.aarch64 Release Linux.GNU9.x86_64 Release Linux.UBUNTU.x86_64 Release	TapeBrowse is a 'browsing interface' for SIMH-formatted CDC and AWS formatted Tape files. Tape formats are automatically detected and any compressed blocks are automatically expanded in ZLIB Compressed Hercules Emulated Tape (HET) containers. **File Details** • **TapeBrowse.2.1.1.1.win64.x86_64.app.zip** (2023/01/11 07:14:51) *SHA256: 2ace906e78a546bccc4a2614ae1fc26ad844e05ba60f6264d3c765f13d2462fc* • **TapeBrowse.2.1.1.1.darwin.x86_64.app.zip** (2023/01/07 20:58:16) *SHA256: 76e01ce85a2e0ab76ebab0a5e4ea232c48c0dcd244569e7b4455930f04491b47* • **TapeBrowse.2.1.1.1.darwin.aarch64.app.zip** (2023/01/07 20:58:14) *SHA256: fec0bdee31b62a1dcb83cb4378da026cd39c0293609d56cf386f6e3ef14b4429* • **TapeBrowse.2.1.1.1.linux.aarch64.app.zip** (2023/01/07 20:58:15) *SHA256: 477173feae6ec565c1bb8b1c7348bf9e3e436ad8102c331c1c0e29d0dfe1ec63* • **TapeBrowse.2.1.1.1.linux.gnu9.x86_64.app.zip** (2023/01/07 20:58:16) *SHA256: 14e2a342802faf90160470892a173f6cb552faffef9b48ec221ee8f72f355ea9* • **TapeBrowse.2.1.1.1.linux.ubuntu.x86_64.app.zip** (2023/01/07 20:58:17) *SHA256: 1ce5cde4858c03eb017cbed1fe5295ba488bed96f9e344b550a796f88f2a7c66*

Tera Term (5.0.0SZ)	Win32 Release	Teraterm (Latest) Build for windows from the Tera Term project. **File Details** • **teraterm-5.0.SZ-x64.exe** (2022/04/22 13:38:48) *SHA256: 254007d1d7019f30f81afb6e4c6230639aa2c0db39d025d510cd51d698f95e56*
wx3270-NEW (5.1.A1SZ)	Documentation Win32 Release	Binary build of Paul Mattes' excellent wx3270 terminal emulator. **File Details** • **wx3270-5.1a1-setup.exe** (2022/04/22 20:40:57) *SHA256: c9c7bd4e751329c5b9bedd6b76831e1000ca9dd006f9b17f44d708209064996c*

Packages Available: 11

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