

# MindTerm

World-class Java-based SSH2 client

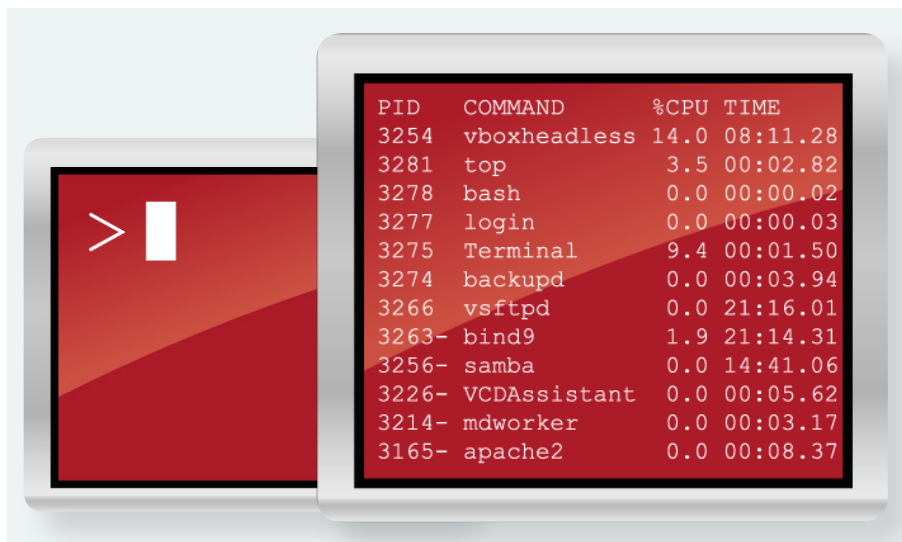
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Some of the largest technology companies in the world embed MindTerm into their applications

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MindTerm is a powerful and easy to use access client that implements the SSH1 and SSH2 protocols. It is written in Java and is available both as a stand-alone application for end users or as a library component which can be embedded by OEM customers in third-party applications. It can also be integrated into web pages where it can be downloaded as an SSH client applet. It has Secure FTP, Telnet, Terminal emulation and much more.

Some of the largest technology companies in the world embed MindTerm into their applications to provide enhanced features coupled with secure connections, protecting the application data.



## Features

- 100% Java based
- Support for SSH-1 & SSH-2 protocols
- Support for both IPv4 and IPv6 addresses
- SSH-2 server support with keep-alive packets
- Ability to save passwords in encrypted files with a global password protecting all settings
- Ability to connect through standard HTTP (with basic or NTLM authentication), Socks4 and Socks5 proxies.
- MindTerm can also act as a Socks proxy for applications
- Integrated ftp proxy which allows the user to connect with a normal ftp client to an ftp server (can also act as a telnet client)
- Integrated ftp to sftp proxy which allows the user to connect with a normal ftp client to an sftp enabled

## Built in

- Swing-based GUI for native platform look and feel and AWT based GUI for wide platform compatibility
- Support for TCP traffic tunnelling from other applications with active tunnel display
- Integrated, full-featured terminal emulator:
  - Full clipboard support (edit, copy, paste)
  - Save to text file support
  - Terminal types: xterm, xterm-color, linux, scoansi, att6386, sun, aixterm, vt220, vt100, ansi, vt52, linux-lat, at386, vt320, vt102, Tandem 6530, 3270 add on module
  - Color support in terminals
  - Fonts and font size can be changed

## Key Features

- Encrypts data which improves security of connected computer systems
- Routes and validates authorized user access to internal systems as defined locally
- Provides Client Support for mobile, Linux, OSX, Windows, and legacy computing systems
- Ease of use and deployment of clients is available when deployed via internal web pages
- Provides terminal emulation for varied computer systems types
- Supports varied existing authentication systems as well as proxy support. (FTP,SCP, Telnet, socks)
- Capable to be used in FIPS mode together with a FIPS-certified 3rd party JCE

## System Requirements

MindTerm requires a Java run time environment (JRE) that supports Java 1.1.x or higher.

MindTerm functions on almost all Java enabled platforms including Windows, MacOS, Linux, Solaris, HP-UX, etc.



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MindTerm

[www.cryptzone.com/products/mindterm](http://www.cryptzone.com/products/mindterm)

- Integrated DNS round robin: tries to contact all IP addresses specified in DNS until the connection
- MindTerm supports password authentication, "keyboard interactive", public key authentication, certificates and Kerberos tickets (gssapi-with-mic authentication) for Zlib LZ77 (RFC1950/1951) compression of network traffic
- Supported Ciphers: AES (128, 192, 256 bits), Blowfish, Twofish, Cast-128, 3DES and Arcfour (RC4)
- MindTerm can also act as a telnet client or proxy
- Contains classes for launching and interacting with commands on the SSH server
- Contains classes for transferring files using both scp and sftp (ssh-filexfer)
- Self-contained with no external dependencies
- Can be built with "ant" (build.xml file included) or imported into an IDE
- Delivered with both Swing and AWT GUI support. The library can also be used completely without a GUI
- Uses Java NIO for performance and scalability

## API documentation and examples

- MindTerm source code has a well defined API and the MindTerm library is easy to use and has successfully been integrated into many third-party products
- Source code contains a MindTerm light client with a GUI optimized for smaller devices (telephones and PDAs)
- Optionally can be used with any 3rd party JCE
- Optionally can be used in FIPS mode together with a FIPS-certified 3rd party JCE



Available as a stand-alone application for end users or as a library component embedded by OEM customers in third-party applications.

## Licensing Options

**MindTerm Free Edition** is available free of charge for personal use and limited commercial use for up to 10 users.

Three types of commercial license for MindTerm are available:

**MindTerm OEM:** Want to integrate MindTerm into your own product solutions? The OEM edition allows developers to market solutions with the added security that MindTerm delivers. Some of the world's leading manufacturers of communications and networking equipment have signed OEM agreements with Cryptzone.

**MindTerm Professional:** Is a license for a specific number of end users. Bundles start at 25 users to unlimited site licenses.

**MindTerm Educational:** Special pricing is granted to public & not-for-profit educational entities.

*For more information on MindTerm commercial licensing please contact [sales@cryptzone.com](mailto:sales@cryptzone.com)*



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