Example hashes

If you get a "line length exception" error in hashcat, it is often because the hash mode that you have requested does not match the hash. To verify, you can test your commands against example hashes.

Unless otherwise noted, the password for all example hashes is **hashcat**.

Note also that for many algorithms, when the raw hashes that are components of compound hashes such as sha1(sha1(pass)), the hash byte sequence being hashed is the 'hex' (ASCII) form of the hash. The exception is when the suffix `_bin` is present, which indicates that the raw/binary form of the inner hash is what is being hashed by the outer hash function.

Generic hash types

Hash-Mode	Hash-Name	Example
0	MD5	8743b52063cd84097a65d1633f5c74f5
10	md5($pass.$salt)	01dfae6e5d4d90d9892622325959afbe:7050461
20	md5($salt.$pass)	f0fda58630310a6dd91a7d8f0a4ceda2:4225637426
30	md5(utf16le($pass).$salt)	b31d032cfdcf47a399990a71e43c5d2a:144816
40	md5($salt.utf16le($pass))	d63d0e21fdc05f618d55ef306c54af82:13288442151473
50	HMAC-MD5 (key = $pass)	fc741db0a2968c39d9c2a5cc75b05370:1234
60	HMAC-MD5 (key = $salt)	bfd280436f45fa38eaacac3b00518f29:1234
70	md5(utf16le($pass))	2303b15bfa48c74a74758135a0df1201
100	SHA1	b89eaac7e61417341b710b727768294d0e6a277b
110	sha1($pass.$salt)	2fc5a684737ce1bf7b3b239df432416e0dd07357:2014
120	sha1($salt.$pass)	cac35ec206d868b7d7cb0b55f31d9425b075082b:5363620024
130	sha1(utf16le($pass).$salt)	c57f6ac1b71f45a07dbd91a59fa47c23abcd87c2:631225
140	sha1($salt.utf16le($pass))	5db61e4cd8776c7969cfd62456da639a4c87683a:8763434884872
150	HMAC-SHA1 (key = $pass)	c898896f3f70f61bc3fb19bef222aa860e5ea717:1234
160	HMAC-SHA1 (key = $salt)	d89c92b4400b15c39e462a8caa939ab40c3aeeea:1234
170	sha1(utf16le($pass))	b9798556b741befdbddcbf640d1dd59d19b1e193
200	MySQL323	7196759210defdc0
300	MySQL4.1/MySQL5	fcf7c1b8749cf99d88e5f34271d636178fb5d130
400	phpass, WordPress (MD5), Joomla (MD5)	P984478476IagS59wHZvyQMArzfx58u.
400	phpass, phpBB3 (MD5)	H984478476IagS59wHZvyQMArzfx58u.
500	md5crypt, MD5 (Unix), Cisco-IOS 1 (MD5) [2]	$1$28772684$iEwNOgGugqO9.bIz5sk8k/
501	Juniper IVE	3u+UR6n8AgABAAAAHxxdXKmiOmUoqKnZlf8lTOhlPYy93EAkbPfs5+49YLFd/B1+omSKbW7DoqNM40/EeVnwJ8kYoXv9zy9D5C5m5A==
600	BLAKE2b-512	$BLAKE2$296c269e70ac5f0095e6fb47693480f0f7b97ccd0307f5c3bfa4df8f5ca5c9308a0e7108e80a0a9c0ebb715e8b7109b072046c6cd5e15
610	BLAKE2b-512($pass.$salt)	$BLAKE2$41fcd44c789c735c08b43a871b81c8f617ca43918d38aee6cf8291c58a0b00a03115857425e5ff6f044be7a5bec8536b52d6c9992e21
620	BLAKE2b-512($salt.$pass)	$BLAKE2$f0325fdfc3f82a014935442f7adbc069d4636d67276a85b09f8de368f122cf5195a0b780d7fee709fbf1dcd02ddcb581df84508cf1fb0f3
900	MD4	afe04867ec7a3845145579a95f72eca7
1000	NTLM	b4b9b02e6f09a9bd760f388b67351e2b
1100	Domain Cached Credentials (DCC), MS Cache	4dd8965d1d476fa0d026722989a6b772:3060147285011
1300	SHA2-224	e4fa1555ad877bf0ec455483371867200eee89550a93eff2f95a6198
1400	SHA2-256	127e6fbfe24a750e72930c220a8e138275656b8e5d8f48a98c3c92df2caba935
1410	sha256($pass.$salt)	c73d08de890479518ed60cf670d17faa26a4a71f995c1dcc978165399401a6c4:53743528
1420	sha256($salt.$pass)	eb368a2dfd38b405f014118c7d9747fcc97f4f0ee75c05963cd9da6ee65ef498:560407001617
1430	sha256(utf16le($pass).$salt)	4cc8eb60476c33edac52b5a7548c2c50ef0f9e31ce656c6f4b213f901bc87421:890128
1440	sha256($salt.utf16le($pass))	a4bd99e1e0aba51814e81388badb23ecc560312c4324b2018ea76393ea1caca9:12345678
1450	HMAC-SHA256 (key = $pass)	abaf88d66bf2334a4a8b207cc61a96fb46c3e38e882e6f6f886742f688b8588c:1234
1460	HMAC-SHA256 (key = $salt)	8efbef4cec28f228fa948daaf4893ac3638fbae81358ff9020be1d7a9a509fc6:1234
1470	sha256(utf16le($pass))	9e9283e633f4a7a42d3abc93701155be8afe5660da24c8758e7d3533e2f2dc82
1500	descrypt, DES (Unix), Traditional DES	48c/R8JAv757A
1600	Apache $apr1$ MD5, md5apr1, MD5 (APR) [2]	$apr1$71850310$gh9m4xcAn3MGxogwX/ztb.
1700	SHA2-512	82a9dda829eb7f8ffe9fbe49e45d47d2dad9664fbb7adf72492e3c81ebd3e29134d9bc12212bf83c6840f10e8246b9db54a4859b7ccd0123d86e
1710	sha512($pass.$salt)	e5c3ede3e49fb86592fb03f471c35ba13e8d89b8ab65142c9a8fdafb635fa2223c24e5558fd9313e8995019dcbec1fb584146b7bb12685c7765fc
1720	sha512($salt.$pass)	976b451818634a1e2acba682da3fd6efa72adf8a7a08d7939550c244b237c72c7d42367544e826c0c83fe5c02f97c0373b6b1386cc794bf0d21c
1730	sha512(utf16le($pass).$salt)	13070359002b6fbb3d28e50fba55efcf3d7cc115fe6e3f6c98bf0e3210f1c6923427a1e1a3b214c1de92c467683f6466727ba3a51684022be5cc2
1740	sha512($salt.utf16le($pass))	bae3a3358b3459c761a3ed40d34022f0609a02d90a0d7274610b16147e58ece00cd849a0bd5cf6a92ee5eb5687075b4e754324dfa70deca699
1750	HMAC-SHA512 (key = $pass)	94cb9e31137913665dbea7b058e10be5f050cc356062a2c9679ed0ad6119648e7be620e9d4e1199220cd02b9efb2b1c78234fa1000c728f82b
1760	HMAC-SHA512 (key = $salt)	7cce966f5503e292a51381f238d071971ad5442488f340f98e379b3aeae2f33778e3e732fcc2f7bdc04f3d460eebf6f8cb77da32df25500c09160c
1770	sha512(utf16le($pass))	79bba09eb9354412d0f2c037c22a777b8bf549ab12d49b77d5b25faa839e4378d8f6fa11aceb6d9413977ae5ad5d011568bad2de4f998d75fd4
1800	sha512crypt 6, SHA512 (Unix) [2]	$6$52450745$k5ka2p8bFuSmoVT1tzOyyuaREkkKBcCNqoDKzYiJL9RaE8yMnPgh2XzzF0NDrUhgrcLwg78xs1w5pJiypEdFX/
2000	STDOUT	n/a
2100	Domain Cached Credentials 2 (DCC2), MS Cache 2	$DCC2$10240#tom#e4e938d12fe5974dc42a90120bd9c90f
2400	Cisco-PIX MD5	dRRVnUmUHXOTt9nk

Hash-Mode	Hash-Name	Example
2410	Cisco-ASA MD5	02dMBMYkTdC5Ziyp:36
2500	WPA-EAPOL-PBKDF2 [1]	https://hashcat.net/misc/example_hashes/hashcat.hccapx [https://hashcat.net/misc/example_hashes/hashcat.hccapx]
2501	WPA-EAPOL-PMK [14]	https://hashcat.net/misc/example_hashes/hashcat-pmk.hccapx [https://hashcat.net/misc/example_hashes/hashcat-pmk.hccapx]
2600	md5(md5($pass))	a936af92b0ae20b1ff6c3347a72e5fbe
2630	md5(md5($pass.$salt)) *	0127eecea3120e34c8934ba3b72a390a:0
3000	LM	299bd128c1101fd6
3100	Oracle H: Type (Oracle 7+)	7A963A529D2E3229:3682427524
3200	bcrypt $2*$, Blowfish (Unix)	$2a$05$LhayLxezLhK1LhWvKxCyLOj0j1u.Kj0jZ0pEmm134uzrQlFvQJLF6
3500	md5(md5(md5($pass)))	9882d0778518b095917eb589f6998441
3610	md5(md5(md5($pass)).$salt) *	a0ab79f9e2b5a4434d2da61673b56362:1234
3710	md5($salt.md5($pass))	95248989ec91f6d0439dbde2bd0140be:1234
3730	Dahua NVR/DVR/HVR (md5($salt1.strtoupper(md5($salt2.$pass)))) *	0e1484eb061b8e9cfd81868bba1dc4a0:229381927:182719643
3800	md5($salt.$pass.$salt)	2e45c4b99396c6cb2db8bda0d3df669f:1234
3910	md5(md5($pass).md5($salt))	250920b3a5e31318806a032a4674df7e:1234
4010	md5($salt.md5($salt.$pass))	30d0cf4a5d7ed831084c5b8b0ba75b46:1234
4110	md5($salt.md5($pass.$salt))	b4cb5c551a30f6c25d648560408df68a:1234
4300	md5(strtoupper(md5($pass)))	b8c385461bb9f9d733d3af832cf60b27
4400	md5(sha1($pass))	288496df99b33f8f75a7ce4837d1b480
4410	md5(sha1($pass).$salt)	bc8319c0220bff8a0d7f5d703114a725:34659348756345251
4420	md5(sha1($pass.$salt)) *	34ebbba3e5c98f6253c160eae53da092:6224378456121050285
4430	md5(sha1($salt.$pass)) *	df0e9ede5b6c7d1f1b47199f86029002:591328092017991807223599396927104618 86
4500	sha1(sha1($pass))	3db9184f5da4e463832b086211af8d2314919951
4510	sha1(sha1($pass).$salt)	9138d472fce6fe50e2a32da4eec4ecdc8860f4d5:hashcat1
4520	sha1($salt.sha1($pass))	a0f835fdf57d36ebd8d0399cc44e6c2b86a1072b:511358214352751667201107073531735211566650747315
4700	sha1(md5($pass))	92d85978d884eb1d99a51652b1139c8279fa8663
4710	sha1(md5($pass).$salt)	53c724b7f34f09787ed3f1b316215fc35c789504:hashcat1
4800	iSCSI CHAP authentication, MD5(CHAP) [7]	afd09efdd6f8ca9f18ec77c5869788c3:01020304050607080910111213141516:01
4900	sha1($salt.$pass.$salt)	85087a691a55cbb41ae335d459a9121d54080b80:488387841
5000	sha1(sha1($salt.$pass.$salt))	05ac0c544060af48f993f9c3cdf2fc03937ea35b:232725102020
5100	Half MD5	8743b52063cd8409
5200	Password Safe v3	https://hashcat.net/misc/example_hashes/hashcat.psafe3 [https://hashcat.net/misc/example_hashes/hashcat.psafe3]
5300	IKE-PSK MD5	https://hashcat.net/misc/example_hashes/hashcat.ikemd5 [https://hashcat.net/misc/example_hashes/hashcat.ikemd5]
5400	IKE-PSK SHA1	https://hashcat.net/misc/example_hashes/hashcat.ikesha1 [https://hashcat.net/misc/example_hashes/hashcat.ikesha1]
5500	NetNTLMv1 / NetNTLMv1+ESS	u4-netntlm::kNS:338d08f8e26de93300000000000000000000000000000000:9526fb8c23a90751cdd619b6cea564742e1e4bf33006ba41:c
5600	NetNTLMv2	admin::N46iSNekpT:08ca45b7d7ea58ee:88dcbe4446168966a153a0064958dac6:5c7830315c7830310000000000000b45c67103d07d7b95
5700	Cisco-IOS type 4 (SHA256)	2btjjy78REtmYkkW0csHUbJZOstRXoWdX1mGrmmfeHI
5800	Samsung Android Password/PIN	0223b799d526b596fe4ba5628b9e65068227e68e:f6d45822728ddb2c
6000	RIPEMD-160	012cb9b334ec1aeb71a9c8ce85586082467f7eb6
6050	HMAC-RIPEMD160 (key = $pass) *	4f5edca01734e03dd7e735362625a76e6bcb61b2:52355614946067
6060	HMAC-RIPEMD160 (key = $salt) *	34d8e55a2ae1e9549a291326ce2f0a8dcdc75c5c:08523202563542341
6100	Whirlpool	7ca8eaaaa15eaa4c038b4c47b9313e92da827c06940e69947f85bc0fbef3eb8fd254da220ad9e208b6b28f6bb9be31dd760f1fdb26112d83f87d
6211	TrueCrypt 5.0+ PBKDF2-HMAC-RIPEMD160 + AES (legacy)	https://hashcat.net/misc/example_hashes/hashcat_ripemd160_aes.tc [https://hashcat.net/misc/example_hashes/hashcat_ripemd160_aes.tc]
6211	TrueCrypt 5.0+ PBKDF2-HMAC-RIPEMD160 + Serpent (legacy)	https://hashcat.net/misc/example_hashes/hashcat_ripemd160_serpent.tc [https://hashcat.net/misc/example_hashes/hashcat_ripemd160_serpe
6211	TrueCrypt 5.0+ PBKDF2-HMAC-RIPEMD160 + Twofish (legacy)	https://hashcat.net/misc/example_hashes/hashcat_ripemd160_twofish.tc [https://hashcat.net/misc/example_hashes/hashcat_ripemd160_twofis
6212	TrueCrypt 5.0+ PBKDF2-HMAC-RIPEMD160 + AES-Twofish (legacy)	https://hashcat.net/misc/example_hashes/hashcat_ripemd160_aes-twofish.tc [https://hashcat.net/misc/example_hashes/hashcat_ripemd160_a
6213	TrueCrypt 5.0+ PBKDF2-HMAC-RIPEMD160 + AES-Twofish-Serpent (legacy)	https://hashcat.net/misc/example_hashes/hashcat_ripemd160_aes-twofish-serpent.tc [https://hashcat.net/misc/example_hashes/hashcat_ripe
6212	TrueCrypt 5.0+ PBKDF2-HMAC-RIPEMD160 + Serpent-AES (legacy)	https://hashcat.net/misc/example_hashes/hashcat_ripemd160_serpent-aes.tc [https://hashcat.net/misc/example_hashes/hashcat_ripemd160_s
6213	TrueCrypt 5.0+ PBKDF2-HMAC-RIPEMD160 + Serpent-Twofish-AES (legacy)	https://hashcat.net/misc/example_hashes/hashcat_ripemd160_serpent-twofish-aes.tc [https://hashcat.net/misc/example_hashes/hashcat_ripe
6212	TrueCrypt 5.0+ PBKDF2-HMAC-RIPEMD160 + Twofish-Serpent (legacy)	https://hashcat.net/misc/example_hashes/hashcat_ripemd160_twofish-serpent.tc [https://hashcat.net/misc/example_hashes/hashcat_ripemd16
6221	TrueCrypt 5.0+ SHA512 + AES (legacy)	https://hashcat.net/misc/example_hashes/hashcat_sha512_aes.tc [https://hashcat.net/misc/example_hashes/hashcat_sha512_aes.tc]
6221	TrueCrypt 5.0+ SHA512 + Serpent (legacy)	https://hashcat.net/misc/example_hashes/hashcat_sha512_serpent.tc [https://hashcat.net/misc/example_hashes/hashcat_sha512_serpent.tc]
6221	TrueCrypt 5.0+ SHA512 + Twofish (legacy)	https://hashcat.net/misc/example_hashes/hashcat_sha512_twofish.tc [https://hashcat.net/misc/example_hashes/hashcat_sha512_twofish.tc]
6222	TrueCrypt 5.0+ SHA512 + AES-Twofish (legacy)	https://hashcat.net/misc/example_hashes/hashcat_sha512_aes-twofish.tc [https://hashcat.net/misc/example_hashes/hashcat_sha512_aes-twof
6223	TrueCrypt 5.0+ SHA512 + AES-Twofish-Serpent (legacy)	https://hashcat.net/misc/example_hashes/hashcat_sha512_aes-twofish-serpent.tc [https://hashcat.net/misc/example_hashes/hashcat_sha512_
6222	TrueCrypt 5.0+ SHA512 + Serpent-AES (legacy)	https://hashcat.net/misc/example_hashes/hashcat_sha512_serpent-aes.tc [https://hashcat.net/misc/example_hashes/hashcat_sha512_serpent-
6223	TrueCrypt 5.0+ SHA512 + Serpent-Twofish-AES (legacy)	https://hashcat.net/misc/example_hashes/hashcat_sha512_serpent-twofish-aes.tc [https://hashcat.net/misc/example_hashes/hashcat_sha512_
6222	TrueCrypt 5.0+ SHA512 + Twofish-Serpent (legacy)	https://hashcat.net/misc/example_hashes/hashcat_sha512_twofish-serpent.tc [https://hashcat.net/misc/example_hashes/hashcat_sha512_twof
6231	TrueCrypt 5.0+ Whirlpool + AES (legacy)	https://hashcat.net/misc/example_hashes/hashcat_whirlpool_aes.tc [https://hashcat.net/misc/example_hashes/hashcat_whirlpool_aes.tc]
6231	TrueCrypt 5.0+ Whirlpool + Serpent (legacy)	https://hashcat.net/misc/example_hashes/hashcat_whirlpool_serpent.tc [https://hashcat.net/misc/example_hashes/hashcat_whirlpool_serpent.t
6231	TrueCrypt 5.0+ Whirlpool + Twofish (legacy)	https://hashcat.net/misc/example_hashes/hashcat_whirlpool_twofish.tc [https://hashcat.net/misc/example_hashes/hashcat_whirlpool_twofish.tc
6232	TrueCrypt 5.0+ Whirlpool + AES-Twofish (legacy)	https://hashcat.net/misc/example_hashes/hashcat_whirlpool_aes-twofish.tc [https://hashcat.net/misc/example_hashes/hashcat_whirlpool_aes-t
6233	TrueCrypt 5.0+ Whirlpool + AES-Twofish-Serpent (legacy)	https://hashcat.net/misc/example_hashes/hashcat_whirlpool_aes-twofish-serpent.tc [https://hashcat.net/misc/example_hashes/hashcat_whirlp

Hash-Mode	Hash-Name	Example
6232	TrueCrypt 5.0+ Whirlpool + Serpent-AES (legacy)	https://hashcat.net/misc/example_hashes/hashcat_whirlpool_serpent-aes.tc [https://hashcat.net/misc/example_hashes/hashcat_whirlpool_serp
6233	TrueCrypt 5.0+ Whirlpool + Serpent-Twofish-AES (legacy)	https://hashcat.net/misc/example_hashes/hashcat_whirlpool_serpent-twofish-aes.tc [https://hashcat.net/misc/example_hashes/hashcat_whirlp
6232	TrueCrypt 5.0+ Whirlpool + Twofish-Serpent (legacy)	https://hashcat.net/misc/example_hashes/hashcat_whirlpool_twofish-serpent.tc [https://hashcat.net/misc/example_hashes/hashcat_whirlpool_t
6241	TrueCrypt 5.0+ PBKDF2-HMAC-RIPEMD160 + AES + boot (legacy)	https://hashcat.net/misc/example_hashes/hashcat_ripemd160_aes_boot.tc [https://hashcat.net/misc/example_hashes/hashcat_ripemd160_aes_
6241	TrueCrypt 5.0+ PBKDF2-HMAC-RIPEMD160 + Serpent + boot (legacy)	https://hashcat.net/misc/example_hashes/hashcat_ripemd160_serpent_boot.tc [https://hashcat.net/misc/example_hashes/hashcat_ripemd160_
6241	TrueCrypt 5.0+ PBKDF2-HMAC-RIPEMD160 + Twofish + boot (legacy)	https://hashcat.net/misc/example_hashes/hashcat_ripemd160_twofish_boot.tc [https://hashcat.net/misc/example_hashes/hashcat_ripemd160_
6242	TrueCrypt 5.0+ PBKDF2-HMAC-RIPEMD160 + AES-Twofish + boot (legacy)	https://hashcat.net/misc/example_hashes/hashcat_ripemd160_aes-twofish_boot.tc [https://hashcat.net/misc/example_hashes/hashcat_ripemd
6243	TrueCrypt 5.0+ PBKDF2-HMAC-RIPEMD160 + AES-Twofish-Serpent + boot (legacy)	https://hashcat.net/misc/example_hashes/hashcat_ripemd160_aes-twofish-serpent_boot.tc [https://hashcat.net/misc/example_hashes/hashca
6242	TrueCrypt 5.0+ PBKDF2-HMAC-RIPEMD160 + Serpent-AES + boot (legacy)	https://hashcat.net/misc/example_hashes/hashcat_ripemd160_serpent-aes_boot.tc [https://hashcat.net/misc/example_hashes/hashcat_ripemd
6243	TrueCrypt 5.0+ PBKDF2-HMAC-RIPEMD160 + Serpent-Twofish-AES + boot (legacy)	https://hashcat.net/misc/example_hashes/hashcat_ripemd160_serpent-twofish-aes_boot.tc [https://hashcat.net/misc/example_hashes/hashca
6242	TrueCrypt 5.0+ PBKDF2-HMAC-RIPEMD160 + Twofish-Serpent + boot (legacy)	https://hashcat.net/misc/example_hashes/hashcat_ripemd160_twofish-serpent_boot.tc [https://hashcat.net/misc/example_hashes/hashcat_rip
6300	AIX {smd5}	{smd5}a5/yTL/u$VfvgyHx1xUlXZYBocQpQY0
6400	AIX {ssha256}	{ssha256}06$aJckFGJAB30LTe10$ohUsB7LBPlgclE3hJg9x042DLJvQyxVCX.nZZLEz.g2
6500	AIX {ssha512}	{ssha512}06$bJbkFGJAB30L2e23$bXiXjyH5YGIyoWWmEVwq67nCU5t7GLy9HkCzrodRCQCx3r9VvG98o7O3V0r9cVrX3LPPGuHqT5LLn0oGCu
6600	1Password, agilekeychain	https://hashcat.net/misc/example_hashes/hashcat.agilekeychain [https://hashcat.net/misc/example_hashes/hashcat.agilekeychain]
6700	AIX {ssha1}	{ssha1}06$bJbkFGJAB30L2e23$dCESGOsP7jaIIAJ1QAcmaGeG.kr
6800	LastPass + LastPass sniffed[4]	a2d1f7b7a1862d0d4a52644e72d59df5:500:lp@trash-mail.com
6900	GOST R 34.11-94	df226c2c6dcb1d995c0299a33a084b201544293c31fc3d279530121d36bbcea9
7000	FortiGate (FortiOS)	AK1AAECAwQFBgcICRARNGqgeC3is8gv2xWWRony9NJnDgE=
7200	GRUB 2	grub.pbkdf2.sha512.10000.7d391ef48645f626b427b1fae06a7219b5b54f4f02b2621f86b5e36e83ae492bd1db60871e45bc07925cecb46ff8b
7300	IPMI2 RAKP HMAC-SHA1	b7c2d6f13a43dce2e44ad120a9cd8a13d0ca23f0414275c0bbe1070d2d1299b1c04da0f1a0f1e4e2537300263a2200000000000000000000014
7350	IPMI2 RAKP HMAC-MD5 *	08b017f3628b9835c748521e412429c9:f3450000df540000cdd981b0b3441be8774a61e69321291891a29a0c5fdac3f06194bd2c29fa524600
7400	sha256crypt 5, SHA256 (Unix) [2]	5rounds=5000$GX7BopJZJxPc/KEK$le16UF8I2Anb.rOrn22AUPWvzUETDGefUmAV8AZkGcD
7500	Kerberos 5, etype 23, AS-REQ Pre-Auth	$krb5pa$23$user$realm$salt$4e751db65422b2117f7eac7b721932dc8aa0d9966785ecd958f971f622bf5c42dc0c70b532363138363631363
7700	SAP CODVN B (BCODE)	USER$C8B48F26B87B7EA7
7701	SAP CODVN B (BCODE) from RFC_READ_TABLE	027642760180$77EC386300000000
7800	SAP CODVN F/G (PASSCODE)	USER$ABCAD719B17E7F794DF7E686E563E9E2D24DE1D0
7801	SAP CODVN F/G (PASSCODE) from RFC_READ_TABLE	604020408266$32837BA7B97672BA4E5A00000000000000000000
7900	Drupal7	SC33783772bRXEx1aCsvY.dqgaaSu76XmVlKrW9Qu8IQlvxHlmzLf
8000	Sybase ASE	0xc007781683886314282305 45ed2c976790af96768afa0806fe6c0da3b28f3e132137eac56f9bad027ea2
8100	Citrix NetScaler (SHA1)	1765058016a22f1b4e076dccd1c3df4e8e5c0839ccded98ea
8200	1Password, cloudkeychain	https://hashcat.net/misc/example_hashes/hashcat.cloudkeychain [https://hashcat.net/misc/example_hashes/hashcat.cloudkeychain]
8300	DNSSEC (NSEC3)	7b5n74kq8r441blc2c5qbbat19baj79r:.lvdsiqfj.net:33164473:1
8400	WBB3 (Woltlab Burning Board)	8084df19a6dc81e2597d051c3d8b400787e2d5a9:675504531542485218511535276537533883864 3
8500	RACF	$racf$*USER*FC2577C6EBE6265B
8600	Lotus Notes/Domino 5	3dd2e1e5ac03e230243d58b8c5ada076
8700	Lotus Notes/Domino 6	(GDpOtD35gGlyDksQRxEU)
8800	Android FDE <= 4.3	https://hashcat.net/misc/example_hashes/hashcat.android43fde [https://hashcat.net/misc/example_hashes/hashcat.android43fde]
8900	scrypt	SCRYPT:1024:1:1:MDIwMzMwNTQwNDQyNQ==:5FW+zWivLxgCWj7qLiQbeC8zaNQ+qdO0NUinvqyFcfo=
9000	Password Safe v2	https://hashcat.net/misc/example_hashes/hashcat.psafe2.dat [https://hashcat.net/misc/example_hashes/hashcat.psafe2.dat]
9100	Lotus Notes/Domino 8	(HsjFebq0Kh9kH7aAZYc7kY30mC30mC3KmC30mCluagXrvWKj1)
9200	Cisco-IOS 8 (PBKDF2-SHA256)	8TnGX/fE4KGHOVU$pEhnEvxrvaynpi8j4f.EMHr6M.FzU8xnZnBr/tJdFWk
9300	Cisco-IOS 9 (scrypt)	$9$2MJBozw/9R3UsU$2lFhcKvpghcyw8deP25GOfyZaagyUOGBymkryvOdfo6
9400	MS Office 2007	$office$*2007*20*128*16*411a51284e0d0200b131a8949aaaa5cc*117d532441c63968bee7647d9b7df7d6*df1d601ccf905b375575108f4
9500	MS Office 2010	$office$*2010*100000*128*16*772332010172777882672210147572 62*b2d0ca4854ba19cf95a2647d5eee906c*e30cbbb189575cafb6f14
9600	MS Office 2013	$office$*2013*100000*256*16*7dd611d7eb4c899f74816d1dec817b3b*948dc0b2c2c6c32f14b5995a543ad037*0b7ee0e48e935f937192a
9700	MS Office <= 2003 MD5 + RC4, oldoffice$0, oldoffice$1	$oldoffice$1*04477077758555626246182730342136*b1b72ff351e41a7c68f6b45c4e938bd6*0d95331895e99f73ef8b6fbc4a78ac1a
9710	MS Office <= 2003 $0/$1, MD5 + RC4, collider #1 [23]	$oldoffice$0*55045061647456688860411218030058*e7e24d163fbd743992d4b8892bf3f2f7*493410dbc832557d3fe1870ace8397e2
9720	MS Office <= 2003 $0/$1, MD5 + RC4, collider #2	$oldoffice$0*55045061647456688860411218030058*e7e24d163fbd743992d4b8892bf3f2f7*493410dbc832557d3fe1870ace8397e2:91b2
9800	MS Office <= 2003 SHA1 + RC4, oldoffice$3, oldoffice$4	$oldoffice$3*83328705222323020515404251156288*2855956a165ff6511bc7f4cd77b9e101*941861655e73a09c40f7b1e9dfd0c256ed285
9810	MS Office <= 2003 $3, SHA1 + RC4, collider #1 [24]	$oldoffice$3*83328705222323020515404251156288*2855956a165ff6511bc7f4cd77b9e101*941861655e73a09c40f7b1e9dfd0c256ed285
9820	MS Office <= 2003 $3, SHA1 + RC4, collider #2	$oldoffice$3*83328705222323020515404251156288*2855956a165ff6511bc7f4cd77b9e101*941861655e73a09c40f7b1e9dfd0c256ed285
9900	Radmin2	22527bee5c29ce95373c4e0f359f079b
10000	Django (PBKDF2-SHA256)	pbkdf2_sha256$20000$H0dPx8NeajVu$GiC4k5kqbbR9qWBlsRgDywNqC2vd9kqfk7zdorEnNas=
10100	SipHash	ad61d78c06037cd9:2:4:81533218127174468417660201434054
10200	CRAM-MD5	$cram_md5$PG5vLXJlcGx5QGhhc2hjYXQubmV0Pg==$dXNlciA0NGVhZmQyMmZlNzY2NzBmNmIyODc5MDgxYTdmNWY3MQ==
10300	SAP CODVN H (PWDSALTEDHASH) iSSHA-1	{x-issha, 1024}C0624EvGSdAMCtuWnBBYBGA0chvqAflKY74oEpw/rpY=
10400	PDF 1.1 - 1.3 (Acrobat 2 - 4)	pdf1*2*40*-1*0*16*51726437280452826511473255744374*32*9b09be05c226214fa1178342673d86f273602b95104f2384b6c9b709b
10410	PDF 1.1 - 1.3 (Acrobat 2 - 4), collider #1 [25]	pdf1*2*40*-1*0*16*01221086741440841668371056103222*32*27c3fecef6d46a78eb61b8b4dbc690f5f8a2912bbb9afc842c12d794815
10420	PDF 1.1 - 1.3 (Acrobat 2 - 4), collider #2	pdf1*2*40*-1*0*16*01221086741440841668371056103222*32*27c3fecef6d46a78eb61b8b4dbc690f5f8a2912bbb9afc842c12d794815
10500	PDF 1.4 - 1.6 (Acrobat 5 - 8)	pdf2*3*128*-1028*1*16*da42ee15d4b3e08fe5b9ecea0e02ad0f*32*c9b59d72c7c670c42eeb4fca1d2ca150000000000000000000000(
10600	PDF 1.7 Level 3 (Acrobat 9)	pdf5*5*256*-1028*1*16*205838144021842268664853327543 15*127*f95d927a94829db8e2fbfbc9726ebe0a391b22a084ccc2882eb1(
10700	PDF 1.7 Level 8 (Acrobat 10 - 11)	pdf5*6*256*-1028*1*16*212407907535445756796226336415 32*127*2d1ecff66ea354d3d34325a6503da57e03c199c21b13dd842f8d5
10800	SHA2-384	07371af1ca1fca7c6941d2399f3610f1e392c56c6d73fddffe38f18c430a2817028dae1ef09ac683b62148a2c8757f42

Hash-Mode	Hash-Name	Example
10810	sha384($pass.$salt)	ca1c843a7a336234baf9db2e10bc38824ce523402fbd7741286b1602bdf6cb869a45289bb9fb706bd404b9f3842ff729:274646079704982073
10820	sha384($salt.$pass)	63f63d7f82d4a4cb6b9ff37a6bc7c5ec39faaf9c9078551f5cbf7960e76ded87b643d37ac53c45bc544325e7ff83a1f2:93362
10830	sha384(utf16le($pass).$salt)	3516a589d2ed4071bf5e36f22e11212b3ad9050b9094b23067103d51e99dcb25c4dc397dba8034fed11a8184acfbb699:577730514588712
10840	sha384($salt.utf16le($pass))	316e93ea8e04de3e5a909c53d36923a31a16c1b9e89b44201d6082f87ca49c5bca53cad65f685207db3ea2ccc7ca40f8:700067651
10870	sha384(utf16le($pass))	48e61d68e93027fae35d405ed16cd01b6f1ae66267833b4a7aa1759e45bab9bba652da2e4c07c155a3d8cf1d81f3a7e8
10900	PBKDF2-HMAC-SHA256	sha256:1000:MTc3MTA0MTQwMjQxNzY=:PYjCU215Mi57AYPKva9j7mvF4Rc5bCnt
10901	RedHat 389-DS LDAP (PBKDF2-HMAC-SHA256)	{PBKDF2_SHA256}AAAgADkxMjM2NTIzMzgzMjQ3MjI4MDAwNTk5OTAyOTk4NDI2MjkyMzAzNjg0NjQwOTMxNjI3OTMzNjg0MDI0OTY5NTe5UL
11000	PrestaShop	810e3d12f0f10777a679d9ca1ad7a8d9:M2uZ122bSHJ4Mi54tXGY0lqcv1r28mUluSkyw37ou5oia4i239ujqw0l
11100	PostgreSQL CRAM (MD5)	$postgres$postgres*f0784ea5*2091bb7d4725d1ca85e8de6ec349baf6
11200	MySQL CRAM (SHA1)	$mysqlna$1c24ab8d0ee94d70ab1f2e814d8f0948a14d10b9*437e93572f18ae44d9e779160c2505271f85821d
11300	Bitcoin/Litecoin wallet.dat	$bitcoin$96$d011a1b6a8d675b7a36d0cd2efaca32a9f8dc1d57d6d01a58399ea04e703e8bbb44899039326f7a00f171a7bbc854a54$16$156
11400	SIP digest authentication (MD5)	sip*192.168.100.100*192.168.100.121*username*asterisk*REGISTER*sip*192.168.100.121**2b01df0b****MD5*ad0520061ca07c12
11500	CRC32 [5]	c762de4a:00000000
11600	7-Zip	$7z$0$19$0$salt$8$f6196259a7326e3f00000000000000000$185065650$112$98$f3bc2a88062c419a25acd40c0c2d75421cf23263f69c51b
11700	GOST R 34.11-2012 (Streebog) 256-bit, big-endian	57e9e50caec93d72e9498c211d6dc4f4d328248b48ecf46ba7abfa874f666e36
11750	HMAC-Streebog-256 (key = $pass), big-endian	0f71c7c82700c9094ca95eee3d804cc283b538bec49428a9ef8da7b34effb3ba:08151337
11760	HMAC-Streebog-256 (key = $salt), big-endian	d5c6b874338a492ac57ddc6871afc3c70dcfd264185a69d84cf839a07ef92b2c:08151337
11800	GOST R 34.11-2012 (Streebog) 512-bit, big-endian	5d5bdba48c8f89ee6c0a0e11023540424283e84902de08013aeeb626e819950bb32842903593a1d2e8f71897ff7fe72e17ac9ba8ce1d1d2f7e9
11850	HMAC-Streebog-512 (key = $pass), big-endian	be4555415af4a05078dcf260bb3c0a35948135df3dbf93f7c8b80574ceb0d71ea4312127f839b7707bf39ccc932d9e7cb799671183455889e8dc
11860	HMAC-Streebog-512 (key = $salt), big-endian	bebf6831b3f9f958acb345a88cb98f30cb0374cff13e6012818487c8dc8d5857f23bca2caed280195ad558b8ce393503e632e901e8d1eb2ccb34
11900	PBKDF2-HMAC-MD5	md5:1000:MTg1MzA=:Lz84VOcrXd699Edsj34PP98+f4f3S0rTZ4kHAIHoAjs=
12000	PBKDF2-HMAC-SHA1	sha1:1000:MzU4NTA4MzIzNzA1MDQ=:19ofiY+ahBXhvkDsp0j2ww==
12100	PBKDF2-HMAC-SHA512	sha512:1000:ODQyMDEwNjQyODY=:MKaHNWXUsuJB3IEwBHbm3w==
12200	eCryptfs	$ecryptfs$0$1$7c95c46e82f364b3$60bba503f0a42d0c
12300	Oracle T: Type (Oracle 12+)	78281A9C0CF626BD05EFC4F41B515B61D6C4D95A250CD4A605CA0EF97168D670EBCB5673B6F5A2FB9CC4E0C0101E659C0C4E3B9B3BE
12400	BSDi Crypt, Extended DES	_9G..8147mpcfKT8g0U.
12500	RAR3-hp	$RAR3$*0*45109af8ab5f297a*adbf6c5385d7a40373e8f77d7b89d317
12600	ColdFusion 10+	aee9edab5653f509c4c63e559a5e967b4c112273bc6bd84525e630a3f9028dcb:513625686678377733457478378281041070688323332114
12700	Blockchain, My Wallet	$blockchain$288$542005582723173071030134867080233 5e45a6f5f631113cb1148a6e96ce645ac69881625a115fd35256636d090821718
12800	MS-AzureSync PBKDF2-HMAC-SHA256	v1;PPH1_MD4,84840328224366186645,100,005a491d8bf3715085d69f934eef7fb19a15ffc233b5382d9827910bc32f3506
12900	Android FDE (Samsung DEK)	384218541184126257684081604771123842185411841262576840816047711 29b6258eb22fc8b9d08e04e6450f72b98725d7d4fcad6fb6ae
13000	RAR5	$rar5$16$74575567518807622265582327032280$15$f8b4064de34ac02ecabfe9abdf93ed6a$8$9843834ed0f7c754
13100	Kerberos 5, etype 23, TGS-REP	$krb5tgs$23$*user$realm$test/spn*$63386d22d359fe42230300d56852c9eb$891ad31d09ab89c6b3b8c5e5de6c06a7f49fd559d7a9a3c325
13200	AxCrypt 1	$axcrypt$*1*10000*aaf4a5b4a7185551fea2585ed69fe246*45c616e901e48c6cac7ff14e8cd99113393be259c595325e
13300	AxCrypt 1 in-memory SHA1 [13]	$axcrypt_sha1$b89eaac7e61417341b710b727768294d0e6a277b
13400	KeePass 1 AES / without keyfile	$keepass$*1*50000*0*375756b9e6c72891a8e5645a3338b8c8*82afc053e8e1a6cfa39adae4f5fe5e59f545a54d6956593d1709b39cacd7f79
13400	KeePass 2 AES / without keyfile	$keepass$*2*6000*222*a279e37c38b0124559a83fa452a0269d56dc4119a5866d18e76f1f3fd536d64d*7ec7a06bc975ea2ae7c8dcb99e826
13400	KeePass 1 Twofish / with keyfile	$keepass$*1*6000*1*31c087828b0bb76362c10cae773aacdf*6d6c78b4f82ecbcd3b96670cf490914c25ea8c31bc3aeb3fc56e65fac16d721f*
13400	Keepass 2 AES / with keyfile	$keepass$*2*6000*222*15b6b685bae998f2f608c909dc554e514f2843fbac3c7c16ea3600cc0de30212*c417098b445cfc7a87d56ba172008
13500	PeopleSoft PS_TOKEN	b5e335754127b25ba6f99a94c738e24cd634c35a:aa07d396f5038a6cbeded88d78d1d6c907e4079b3dc2e12fddee409a51cc05ae73e8cc24d5
13600	WinZip	$zip2$*0*3*0*e3222d3b65b5a2785b192d31e39ff9de*1320*e*19648c3e063c82a9ad3ef08ed833*3135c79ecb86cd6f48fc*$/zip2$
13711	VeraCrypt PBKDF2-HMAC-RIPEMD160 + AES (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_ripemd160_aes_13711.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_ripemd
13712	VeraCrypt PBKDF2-HMAC-RIPEMD160 + AES-Twofish (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_ripemd160_aes-twofish_13712.vc [https://hashcat.net/misc/example_hashes/vc/hashca
13711	VeraCrypt PBKDF2-HMAC-RIPEMD160 + Serpent (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_ripemd160_serpent_13711.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_rip
13712	VeraCrypt PBKDF2-HMAC-RIPEMD160 + Serpent-AES (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_ripemd160_serpent-aes_13712.vc [https://hashcat.net/misc/example_hashes/vc/hashca
13713	VeraCrypt PBKDF2-HMAC-RIPEMD160 + Serpent-Twofish-AES (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_ripemd160_serpent-twofish-aes_13713.vc [https://hashcat.net/misc/example_hashes/v
13711	VeraCrypt PBKDF2-HMAC-RIPEMD160 + Twofish (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_ripemd160_twofish_13711.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_rip
13712	VeraCrypt PBKDF2-HMAC-RIPEMD160 + Twofish-Serpent (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_ripemd160_twofish-serpent_13712.vc [https://hashcat.net/misc/example_hashes/vc/ha
13751	VeraCrypt PBKDF2-HMAC-SHA256 + AES (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_sha256_aes_13751.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_sha256_ae
13752	VeraCrypt PBKDF2-HMAC-SHA256 + AES-Twofish (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_sha256_aes-twofish_13752.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_sh
13751	VeraCrypt PBKDF2-HMAC-SHA256 + Serpent (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_sha256_serpent_13751.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_sha25
13752	VeraCrypt PBKDF2-HMAC-SHA256 + Serpent-AES (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_sha256_serpent-aes_13752.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_sh
13753	VeraCrypt PBKDF2-HMAC-SHA256 + Serpent-Twofish-AES (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_sha256_serpent-twofish-aes_13753.vc [https://hashcat.net/misc/example_hashes/vc/h
13751	VeraCrypt PBKDF2-HMAC-SHA256 + Twofish (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_sha256_twofish_13751.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_sha256
13752	VeraCrypt PBKDF2-HMAC-SHA256 + Twofish-Serpent (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_sha256_twofish-serpent_13752.vc [https://hashcat.net/misc/example_hashes/vc/hashca
13721	VeraCrypt PBKDF2-HMAC-SHA512 + AES (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_sha512_aes_13721.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_sha512_ae
13722	VeraCrypt PBKDF2-HMAC-SHA512 + AES-Twofish (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_sha512_aes-twofish_13722.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_sh
13721	VeraCrypt PBKDF2-HMAC-SHA512 + Serpent (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_sha512_serpent_13721.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_sha51
13722	VeraCrypt PBKDF2-HMAC-SHA512 + Serpent-AES (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_sha512_serpent-aes_13722.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_sh
13723	VeraCrypt PBKDF2-HMAC-SHA512 + Serpent-Twofish-AES (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_sha512_serpent-twofish-aes_13723.vc [https://hashcat.net/misc/example_hashes/vc/h
13721	VeraCrypt PBKDF2-HMAC-SHA512 + Twofish (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_sha512_twofish_13721.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_sha512
13722	VeraCrypt PBKDF2-HMAC-SHA512 + Twofish-Serpent (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_sha512_twofish-serpent_13722.vc [https://hashcat.net/misc/example_hashes/vc/hashca

Hash-Mode	Hash-Name	Example
13731	VeraCrypt PBKDF2-HMAC-Whirlpool + AES (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_whirlpool_aes_13731.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_whirlpool
13732	VeraCrypt PBKDF2-HMAC-Whirlpool + AES-Twofish (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_whirlpool_aes-twofish_13732.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_
13731	VeraCrypt PBKDF2-HMAC-Whirlpool + Serpent (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_whirlpool_serpent_13731.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_whir
13732	VeraCrypt PBKDF2-HMAC-Whirlpool + Serpent-AES (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_whirlpool_serpent-aes_13732.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_
13733	VeraCrypt PBKDF2-HMAC-Whirlpool + Serpent-Twofish-AES (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_whirlpool_serpent-twofish-aes_13733.vc [https://hashcat.net/misc/example_hashes/vc/
13731	VeraCrypt PBKDF2-HMAC-Whirlpool + Twofish (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_whirlpool_twofish_13731.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_whirl
13732	VeraCrypt PBKDF2-HMAC-Whirlpool + Twofish-Serpent (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_whirlpool_twofish-serpent_13732.vc [https://hashcat.net/misc/example_hashes/vc/hash
13741	VeraCrypt PBKDF2-HMAC-RIPEMD160 + boot-mode + AES (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_ripemd160_aes_boot.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_ripemd16
13742	VeraCrypt PBKDF2-HMAC-RIPEMD160 + boot-mode + AES-Twofish (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_ripemd160_aes-twofish_boot.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_
13743	VeraCrypt PBKDF2-HMAC-RIPEMD160 + boot-mode + AES-Twofish-Serpent (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_ripemd160_aes-twofish-serpent_boot.vc [https://hashcat.net/misc/example_hashes/vc/
13761	VeraCrypt PBKDF2-HMAC-SHA256 + boot-mode + Twofish (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_sha256_twofish_boot.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_sha256_
13762	VeraCrypt PBKDF2-HMAC-SHA256 + boot-mode + Serpent-AES (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_sha256_serpent-aes_boot.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_sha
13763	VeraCrypt PBKDF2-HMAC-SHA256 + boot-mode + Serpent-Twofish-AES (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_sha256_serpent-twofish-aes_boot.vc [https://hashcat.net/misc/example_hashes/vc/has
13761	VeraCrypt PBKDF2-HMAC-SHA256 + boot-mode + PIM + AES [16] (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_sha256_aes_boot_pim500.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_sha
13771	VeraCrypt Streebog-512 + XTS 512 bit (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_streebog512_aes_13771.vc [https://hashcat.net/misc/example_hashes/vc/hashcat_stree
13772	VeraCrypt Streebog-512 + XTS 1024 bit (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_streebog512_aes-twofish_13772.vc [https://hashcat.net/misc/example_hashes/vc/hash
13773	VeraCrypt Streebog-512 + XTS 1536 bit (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_streebog512_aes-twofish-serpent_13773.vc [https://hashcat.net/misc/example_hashes
13781	VeraCrypt Streebog-512 + XTS 512 bit + boot-mode (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_streebog512_aes_boot_13781.vc [https://hashcat.net/misc/example_hashes/vc/hashcat
13782	VeraCrypt Streebog-512 + XTS 1024 bit + boot-mode (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_streebog512_aes-twofish_boot_13782.vc [https://hashcat.net/misc/example_hashes/vc
13783	VeraCrypt Streebog-512 + XTS 1536 bit + boot-mode (legacy)	https://hashcat.net/misc/example_hashes/vc/hashcat_streebog512_serpent-twofish-aes_boot_13783.vc [https://hashcat.net/misc/example_
13800	Windows Phone 8+ PIN/password	95fc4680bcd2a5f25de3c580cbebadbbf256c1f0ff2e9329c58e36f8b914c11f:4471347156480581513210137061422464818088437334031755
13900	OpenCart	6e36dcfc6151272c797165fce21e68e7c7737e40:472433673
14000	DES (PT = $salt, key = $pass) [8]	a28bc61d44bb815c:1172075784504605
14100	3DES (PT = $salt, key = $pass) [9]	37387ff8d8dafe15:8152001061460743
14400	sha1(CX)	fd9149fb3ae37085dc6ed1314449f449fbf77aba:87740665218240877702
14500	Linux Kernel Crypto API (2.4)	$cryptoapi$9$2$03000000000000000000000000000000$00000000000000000000000000000000$d1d20e91a8f2e18881dc79369d8af761
14600	LUKS v1 (legacy) [10]	https://hashcat.net/misc/example_hashes/hashcat_luks_testfiles.7z [https://hashcat.net/misc/example_hashes/hashcat_luks_testfiles.7z]
14700	iTunes backup < 10.0 [11]	$itunes_backup$*9*b8e3f3a970239b22ac199b622293fe4237b9d16e74bad2c3c3568cd1bd3c471615a6c4f867265642*10000*454226374(
14800	iTunes backup >= 10.0 [11]	$itunes_backup$*10*8b715f516ff8e64442c478c2d9abb046fc6979ab079007d3dbcef3ddd84217f4c3db01362d88fa68*10000*2353363784(
14900	Skip32 (PT = $salt, key = $pass) [12]	c9350366:44630464
15000	FileZilla Server >= 0.9.55	632c4952b8d9adb2c0076c13b57f0c934c80bdc14fc1b4c341c2e0a8fd97c4528729c7bd7ed1268016fc44c3c222445ebb880eca9a6638ea5df7
15100	Juniper/NetBSD sha1crypt	$sha1$15100$jiJDkz0E$E8C7RQAD3NetbSDz7puNAY.5Y2jr
15200	Blockchain, My Wallet, V2	$blockchain$v2$5000$288$060631524450055162478206078610288 13ccf6dcc5793dc0c7a82dcd604c5c3e8d91bea9531e628c2027c56328
15300	DPAPI masterkey file v1 + local context	$DPAPImk$1*1*S-15-21-466364039-425773974-453930460-1925*des3*sha1*24000*b038489dee5ad04e3e3cab4d957258b5*208*cb9b
15310	DPAPI masterkey file v1 (context 3) *	$DPAPImk$1*3*S-15-21-407415836-404165111-436049749-1915*des3*sha1*14825*3e86e7d8437c4d5582ff668a83632cb2*208*96ad7
15400	ChaCha20 [20]	$chacha20$*0400000000000003*16*0200000000000001*5152535455565758*6b05fe554b0bc3b3
15500	JKS Java Key Store Private Keys (SHA1)	$jksprivk$*5A3AA3C3B7DD7571727E1725FB09953EF3BEDBD9*0867403720562514024857047678064085141322*81*C3*50DDD9F5324
15600	Ethereum Wallet, PBKDF2-HMAC-SHA256	$ethereum$p*262144*32383831373131303534383437373837363234373534373838313730343437 35*06eae7ee0a4b9e8abc02c9990e37
15700	Ethereum Wallet, SCRYPT	$ethereum$s*262144*1*8*34363837373338383130353437363036373535303234303732353430343631 30*8b58d9d15f579faba1cd13dd
15900	DPAPI masterkey file v2 + Active Directory domain context	$DPAPImk$2*2*S-15-21-423929668-478423897-489523715-1834*aes256*sha512*8000*740866e4105c77f800f02d367dd96699*288*el
15910	DPAPI masterkey file v2 (context 3)	$DPAPImk$2*3*S-15-21-464497560-472124119-475628788-1088*aes256*sha512*13450*685165fdb6d0627a15100215ec331ed8*288*
16000	Tripcode	pfaRCwDe0U
16100	TACACS+	$tacacs-plus$0$5fde8e68$4e13e8fb33df$c006
16200	Apple Secure Notes	ASN*1*20000*807711711052334810048500040850 37*d04b17af7f6b184346aad3efefe8bec0987ee73418291a41
16300	Ethereum Pre-Sale Wallet, PBKDF2-HMAC-SHA256	$ethereum$w*e94a8e49deac2d62206bf9bfb7d2aaea7eb06c1a378cfc1ac056cc599a569793c0ecc40e6a0c242dee2812f06b644d70f43331b1
16400	CRAM-MD5 Dovecot	{CRAM-MD5}5389b33b9725e5657cb631dc50017ff1535ce4e2a1c414009126506fc4327d0d
16500	JWT (JSON Web Token)	eyJhbGciOiJIUzI1NiJ9.eyIzNDM2MzQyMCI6NTc2ODc1NDd9.f1nXZ3V_Hrr6ee-AFCTLaHRnrkiKmio2t3JqwL32guY
16600	Electrum Wallet (Salt-Type 1-3)	$electrum$1*44358283104603165383613672586868*c43a6632d9f59364f74c395a03d8c2ea
16700	FileVault 2	$fvde$1$16$84286044060108438487434858307513$20000$f1620ab93192112f0a23eea89b5d4df065661f974b704191
16800	WPA-PMKID-PBKDF2 [1]	2582a8281bf9d4308d6f5731d0e61c61*4604ba734d4e*89acf0e761f4*ed487162465a774bfba60eb603a39f3a
16801	WPA-PMKID-PMK [15]	2582a8281bf9d4308d6f5731d0e61c61*4604ba734d4e*89acf0e761f4
16900	Ansible Vault	$ansible$0*0*6b761adc6faeb0cc0bf197d3d4a4a7d3f1682e4b169cae8fa6b459b3214ed41e*426d313c5809d4a80a4b9bc7d4823070*d8bac
17010	GPG (AES-128/AES-256 (SHA-1($pass))) *	gpg*1*348*1024*8833fa3812b5500aa9eb7e46febfa31a0584b7e4a5b13c198f5c9b0814243895cce45ac3714e79692fb5a130a1c943b913
17020	GPG (AES-128/AES-256 (SHA-512($pass))) *	gpg*1*668*2048*57e1f19c69a86038e23d7e5af5d810f4f86d32e9aaaf04b54281cda2194dcca99ee1f23f4aa3a011d5d2dc9e47689c449f3
17030	GPG (AES-128/AES-256 (SHA-256($pass))) *	gpg*1*668*2048*e75985b4e7d0bce9e38925a5cf69494ae9a2ccfe2973f077d9423642fffec8bee0e327178a4a3431875ca1f377b9f89269e
17200	PKZIP (Compressed)	$pkzip2$1*1*2*0*e3*1c5*eda7a8de*0*28*8*e3*eda7*5096*a9fc1f4e951c8fb3031a6f903e5f4e3211c8fdc4671547bf77f6f682afbfcc7475
17210	PKZIP (Uncompressed)	$pkzip2$1*1*2*0*1d1*1c5*eda7a8de*0*28*0*1d1*eda7*5096*1dea673da43d9fc7e2be1a1f4f664269fceb6cb88723a97408ae1fe07f774c
17220	PKZIP (Compressed Multi-File)	$pkzip2$3*1*1*0*8*24*a425*8827*d1730095cd829e245df04ebba6c52c0573d49d3bbeab6cb385b7fa8a28dcccd3098bfdd7*1*0*8*24*2a
17225	PKZIP (Mixed Multi-File)	$pkzip2$3*1*1*0*0*24*3e2c*3ef8*0619e9d17ff3f994065b99b1fa8aef41c056edf9fa4540919c109742dcb32f797fc90ce0*1*0*8*24*431a
17230	PKZIP (Mixed Multi-File Checksum-Only)	$pkzip2$8*1*1*0*8*24*a425*8827*3bd479d541019c2f32395046b8fbca7e1dca218b9b5414975be49942c3536298e9cc939e*1*0*8*24*2

Hash-Mode	Hash-Name	Example
17300	SHA3-224	412ef78534ba6ab0e9b1607d3e9767a25c1ea9d5e83176b4c2817a6c
17400	SHA3-256	d60fcf6585da4e17224f58858970f0ed5ab042c3916b76b0b828e62eaf636cbd
17500	SHA3-384	983ba28532cc6320d04f20fa485bcedb38bddb666eca5f1e5aa279ff1c6244fe5f83cf4bbf05b95ff378dd2353617221
17600	SHA3-512	7c2dc1d743735d4e069f3bda85b1b7e9172033dfdd8cd599ca094ef8570f3930c3f2c0b7afc8d6152ce4eaad6057a2ff22e71934b3a3dd0fb55a7
17700	Keccak-224	e1dfad9bafeae6ef15f5bbb16cf4c26f09f5f1e7870581962fc84636
17800	Keccak-256	203f88777f18bb4ee1226627b547808f38d90d3e106262b5de9ca943b57137b6
17900	Keccak-384	5804b7ada5806ba79540100e9a7ef493654ff2a21d94d4f2ce4bf69abda5d94bf03701fe9525a15dfdc625bfbd769701
18000	Keccak-512	2fbf5c9080f0a704de2e915ba8fdae6ab00bbc026b2c1c8fa07da1239381c6b7f4dfd399bf9652500da723694a4c719587dd0219cb30eabe6121
18100	TOTP (HMAC-SHA1)	597056:3600
18200	Kerberos 5, etype 23, AS-REP	$krb5asrep$23$user@domain.com:3e156ada591263b8aab0965f5aebd837$007497cb51b6c8116d6407a782ea0e1c5402b17db7afa6b05a6
18300	Apple File System (APFS)	$fvde$2$16$58778104701476542047675521040224$20000$39602e86b7cea4a34f4ff69ff6ed706d68954ee474de1d2a9f6a6f2d24d172001
18400	Open Document Format (ODF) 1.2 (SHA-256, AES)	odf*1*1*100000*32*751854d8b90731ce0579f96bea6f0d4ac2fb2f546b31f1b6af9a5f66952a0bf4*16*2185a966155baa9e2fb597298febe
18500	sha1(md5(md5($pass)))	888a2ffcb3854fba0321110c5d0d434ad1aa2880
18600	Open Document Format (ODF) 1.1 (SHA-1, Blowfish)	odf*0*0*1024*16*bff753835f4ea15644b8a2f8e4b5be3d147b9576*8*ee371da34333b69d*16*a902eff54a4d782a26a899a31f97bef4*0
18700	Java Object hashCode()	29937c08
18800	Blockchain, My Wallet, Second Password (SHA256)	YnM6WYERjJfhxwepT7zV6odWoEUz1X4esYQb4bQ3KZ7bbZAyOTc1MDM3OTc1NjMyODA0ECcAAD3vFoc=
18900	Android Backup	ab5*0*10000*b8900e4885ff9cad8f01ee1957a43bd633fea12491440514ae27aa83f2f5c006ec7e7fa0bce040add619919b4eb60608304b7
19000	QNX /etc/shadow (MD5)	@m@75f6f129f9c9e77b6b1b78f791ed764a@8741857532330050
19100	QNX /etc/shadow (SHA256)	@s@0b365cab7e17ee1e7e1a90078501cc1aa85888d6da34e2f5b04f5c614b882a93@5498317092471604
19200	QNX /etc/shadow (SHA512)	@S@715df9e94c097805dd1e13c6a40f331d02ce589765a2100ec7435e76b978d5efc364ce10870780622cee003c9951bd92ec1020c924b124
19300	sha1($salt1.$pass.$salt2)	630d2e918ab98e5fad9c61c0e4697654c4c16d73:184638128768986034208354201398700317628 67:4449516425193605979760642927 6
19500	Ruby on Rails Restful-Authentication	d7d5ea3e09391da412b653ae6c8d7431ec273ea2:238769868762:8962783556527653675
19600	Kerberos 5, etype 17, TGS-REP (AES128-CTS-HMAC-SHA1-96)	$krb5tgs$17$user$realm$ae8434177efd09be5bc2eff8$90b4ce5b266821adc26c64f71958a475cf9348fce65096190be04f8430c4e0d554c86c
19700	Kerberos 5, etype 18, TGS-REP (AES256-CTS-HMAC-SHA1-96)	$krb5tgs$18$user$realm$8efd91bb01cc69dd07e46009$7352410d6aafd72c64972a66058b02aa1c28ac580ba41137d5a170467f06f17faf5df
19800	Kerberos 5, etype 17, Pre-Auth	$krb5pa$17$hashcat$HASHCATDOMAIN.COM$a17776abe5383236c58582f515843e029ecbff43706d177651b7b6cdb2713b17597ddb35b1c9
19900	Kerberos 5, etype 18, Pre-Auth	$krb5pa$18$hashcat$HASHCATDOMAIN.COM$96c289009b05181bfd32062962740b1b1ce5f74eb12e0266cde74e81094661addab08c0c1a1
20011	DiskCryptor SHA512 + XTS 512 bit (AES)	https://hashcat.net/misc/example_hashes/dc/hashcat_aes.dc [https://hashcat.net/misc/example_hashes/dc/hashcat_aes.dc]
20011	DiskCryptor SHA512 + XTS 512 bit (Twofish)	https://hashcat.net/misc/example_hashes/dc/hashcat_twofish.dc [https://hashcat.net/misc/example_hashes/dc/hashcat_twofish.dc]
20011	DiskCryptor SHA512 + XTS 512 bit (Serpent)	https://hashcat.net/misc/example_hashes/dc/hashcat_serpent.dc [https://hashcat.net/misc/example_hashes/dc/hashcat_serpent.dc]
20012	DiskCryptor SHA512 + XTS 1024 bit (AES-Twofish)	https://hashcat.net/misc/example_hashes/dc/hashcat_aes_twofish.dc [https://hashcat.net/misc/example_hashes/dc/hashcat_aes_twofish.dc]
20012	DiskCryptor SHA512 + XTS 1024 bit (Twofish-Serpent)	https://hashcat.net/misc/example_hashes/dc/hashcat_twofish_serpent.dc [https://hashcat.net/misc/example_hashes/dc/hashcat_twofish_serpen
20012	DiskCryptor SHA512 + XTS 1024 bit (Serpent-AES)	https://hashcat.net/misc/example_hashes/dc/hashcat_serpent_aes.dc [https://hashcat.net/misc/example_hashes/dc/hashcat_serpent_aes.dc]
20013	DiskCryptor SHA512 + XTS 1536 bit (AES-Twofish-Serpent)	https://hashcat.net/misc/example_hashes/dc/hashcat_aes_twofish_serpent.dc [https://hashcat.net/misc/example_hashes/dc/hashcat_aes_twofi
20200	Python passlib pbkdf2-sha512	$pbkdf2-sha512$25000$LyWE0HrP2RsjZCxlDGFMKQ$1vC5Ohk2mCS9b6akqsEfgeb4l74SF8XjH.SljXf3dMLHdlY1GK9ojcCKts6/asR4aPqBmk7
20300	Python passlib pbkdf2-sha256	$pbkdf2-sha256$29000$x9h7j/Ge8x6DMEao1VqrdQ$kra3R1wEnY8mPdDWOpTqOTINaAmZvRMcYd8u5OBQP9A
20400	Python passlib pbkdf2-sha1	$pbkdf2$131000$r5WythYixPgfQ2jt3buXcg$8Kdr.QQEOaZIXNOrrru36I/.6Po
20500	PKZIP Master Key	f1eff5c0368d10311dcfc419
20510	PKZIP Master Key (6 byte optimization) [17]	f1eff5c0368d10311dcfc419
20600	Oracle Transportation Management (SHA256)	otm_sha256:1000:1234567890:S5Q9Kc0ETY6ZPyQU+JYY60oFjaJuZZaSinggmzU8PC4=
20710	sha256(sha256($pass).$salt)	bfede293ecf6539211a7305ea218b9f3f6089531304 05cda9eaba6fb6250f824:7218532375810603
20712	RSA Security Analytics / NetWitness (sha256) *	6F48F44C46F5ADC534597687B086278F0AAF7D262ADDB3978562A7D55BBDF467:MDAwMzY1NzYwODI4MQ==
20720	sha256($salt.sha256($pass))	bae9edada8358fcebcd811f7d362f46277fb9d488379869fba65d79701d48b8b:869dc2ed80187919
20800	sha256(md5($pass))	74ee1fae245edd6f27bf36efc3604942479fceefbadab5dc5c0b538c196eb0f1
20900	md5(sha1($pass).md5($pass).sha1($pass))	100b3a4fc1dc8d60d9bf40688d8b740a
21000	BitShares v0.x - sha512(sha512_bin(pass))	caec04bdf7c17f763a9ec7439f7c9abda112f1bfc9b1bb684fef9b6142636979b9896cfc236896d821a69a961a143dd19c96d59777258201f1bbe
21100	sha1(md5($pass.$salt))	aade80a61c6e3cd3cac614f47c1991e0a87dd028:6
21200	md5(sha1($salt).md5($pass))	e69b7a7fe1bf2ad9ef116f79551ee919:baa038987e582431a6d
21300	md5($salt.sha1($salt.$pass))	799dc7d9aa4d3f404cc21a4936dbdcde:68617368636174
21310	md5($salt1.sha1($salt2.$pass)) *	dc91b5a658ef4b7d859e90742f340e24:708237:d270e9eea5802e346bcaa9b229f37766
21400	sha256(sha256_bin($pass))	0cc1b58a543f372327aa0281e97ab56e345267ee46feabf7709515debb7ec43c
21420	sha256($salt.sha256_bin($pass))	5934ea4d670c13a71155faba42056b2525f71bdc9215d31108990c11bf3d98e3:926977135627009931143276535452263518529106417540
21500	SolarWinds Orion	$solarwinds$0$admin$fj4EBQewCQUZ7IYHl0qL8uj9kQSBb3m7N4u0crkKK0Uj9rbbAnSrBZMXO7oWx9KqL3sCzwncvPZ9hyDV9QCFTg==
21501	SolarWinds Orion v2	$solarwinds$1$3pHkk55NTYpAeV3EJjcAww==$N4Ii2PxXX/bTZZwslQLIKrp0wvfZ5aN9hpyiR896ozJMJTPO1Q7BK1Eht8Vhl4kXq/42Vn2zp3qY
21600	Web2py pbkdf2-sha512	pbkdf2(1000,20,sha512)744943c5f8cdef76e3327c908d8d96d4abdb3d8caba14c
21700	Electrum Wallet (Salt-Type 4)	$electrum$4*03eae309d8bda5dcbddaae8145469193152763894b7260a6c4ba181b3ac2ed5653*8c594086a64dc87a9c1f8a69f646e31e8d3
21800	Electrum Wallet (Salt-Type 5)	$electrum$5*02170fee7c35f1ef3b229edc90fbd0793b688a0d6f41137a97aab2343d315cce16*94cf72d8f5d774932b414a3344984859e4372
22000	WPA-PBKDF2-PMKID+EAPOL [1]	WPA*01*4d4fe7aac3a2cecab195321ceb99a7d0*fc690c158264*f4747f87f9f4*686173686361742d6573736964***
22000	WPA-PBKDF2-PMKID+EAPOL [1]	WPA*02*024022795224bffca545276c3762686f*6466b38ec3fc*225edc49b7aa*54502d4c494e4b5f484153484341545f54455354*10e3be3
22001	WPA-PMK-PMKID+EAPOL [18]	WPA*01*5ce7ebe97a1bbfeb2822ae627b726d5b*27462da350ac*accd10fb464e*686173686361742d6573736964***
22100	BitLocker	$bitlocker$1$16$6f972989ddc209f1eccf07313a7266a2$1048576$12$3a33a8eaff5e6f81d907b591$60$316b0f6d4cb445fb056f0e3e0633c4
22200	Citrix NetScaler (SHA512)	2f9282ade42ce148175dc3b4d8b5916dae5211eee49886c3f7cc768f6b9f2eb982a5ac2f2672a0223999bfd15349093278adf12f6276e8b61dac
22300	sha256($salt.$pass.$salt)	755a8ce4e0cf0baee41d714aa35c9fca803106608f718f973eab006578285007:11265
22400	AES Crypt (SHA256)	$aescrypt$1*efc648908ca7ec727f37f3316dfd885c*eff5c87a35545406a57b56de57bd0554*3a66401271aec08cbd10cf2070332214093a33f
22500	MultiBit Classic .key (MD5)	$multibit$1*e5912fe5c84af3d5*5f0391c219e8ef62c06505b1f6232858f5bcaa739c2b471d45dd0bd8345334de
22600	Telegram Desktop < v2.1.14 (PBKDF2-HMAC-SHA1)	$telegram$1*4000*913a7e42143b4eed0fb532dacfa04e3a0eae036ae66dd02de76323046c575531*cde5f7a3bda3812b4a3cd4df1269c6be1
22700	MultiBit HD (scrypt)	$multibit$2*2e311aa2cc5ec99f7073cacc8a2d1938*e3ad782e7f92d66a3cdfaec43a46be29*5d1cabd4f4a50ba125f88c47027fff9b
22911	RSA/DSA/EC/OpenSSH Private Keys (0)	$sshng$0$8$7532262427635482$1224$e1b1690703b83fd0ab6677c89a00dfce57fc2f345ebd2b2993bf0d8bb267449d08839213dc234dd23
22921	RSA/DSA/EC/OpenSSH Private Keys (6)	$sshng$6$8$7620048997557487$1224$13517a1204dc69528c474ef5cbb02d548698771f2a607c04ea54eb92f13dedba0f2185d2884b4db0c
22931	RSA/DSA/EC/OpenSSH Private Keys ($1, 3)	$sshng$1$16$14987802644369864387956120434709$1232$ffa56007ed83e49fdc439c776a9dec9656521385073bf71931a2c6503c93917e

Hash-Mode	Hash-Name	Example
22941	RSA/DSA/EC/OpenSSH Private Keys (4)	$sshng$4$16$0168455610005928972795781450025$1232$b04d45fdfdf02a9ca91cbc9c53f9e59956822c72c718929aca9251cffd9ac48e4
22951	RSA/DSA/EC/OpenSSH Private Keys (5)	$sshng$5$16$52935050547964524511665675049973$1232$febee392e88cea0086b3cdefd3efec8aedb6011ca4ca9884ef9776d09559109c
23001	SecureZIP AES-128	$zip3$*0*1*128*0*b4630625c92b6e7848f6fd86*df2f62611b3d02d2c7e05a48dad57c7d93b0bac1362261ab533807afb69db856676aa6e35
23002	SecureZIP AES-192	$zip3$*0*1*192*0*53ff2de8c280778e1e0ab997*603eb37dbab9ea109e2c405e37d8cae1ec89e1e0d0b9ce5bf55d1b571c343b6a3df35fe381
23003	SecureZIP AES-256	$zip3$*0*1*256*0*39bff47df6152a0214d7a967*65ff418ffb3b1198cccdef0327c03750f328d6dd5287e00e4c467f33b92a6ef40a74bb11b5af
23100	Apple Keychain	$keychain$*74cd1efd49e54a8fdc8750288801e09fa26a33b1*66001ad4e0498dc7*5a084b7314971b728cb551ac40b2e50b7b5bd8b8496b90
23200	XMPP SCRAM PBKDF2-SHA1	$xmpp-scram$0$4096$32$bbc1467455fd9886f6c5d15200601735e159e807d53a1c80853b570321aaeceb$8301c6e0245e4a986ed64a9b18
23300	Apple iWork	$iwork$2$1$1$4000$b31b7320d1e7a5ee$01f54d6f9e5090eb16fef2b05f8242bc$69561c985268326b7353fb22c3685a378341127557bd2bb
23400	Bitwarden	$bitwarden$2*100000*2*bm9yZXBseUBoYXNoY2F0Lm5ldA==*+v5rHxYydSRUDlan+4pSoiYQwAgEhdmivlb+exQX+fg=
23500	AxCrypt 2 AES-128	$axcrypt$*2*10000*6d44c6d19076bce9920c5fb76b246c161926ce65abb93ec2003919d78898aadd5bc6e5754201ff25d681ad89fa2861d20
23600	AxCrypt 2 AES-256	$axcrypt$*2*10000*79bea2d51670484a065241c52613b41a33bf56d2dda9993770e8b0188e3bbf881bea6552a2986c70dc97240b0f91df2ee
23700	RAR3-p (Uncompressed)	$RAR3$*1*e54a73729887cb53*49b0a846*16*14*1*34620bcca8176642a210b1051901921e*30
23800	RAR3-p (Compressed)	$RAR3$*1*ad56eb40219c9da2*834064ce*32*13*1*eb47b1abe17a1a75bce6c92ab1cef3f4126035ea95deaf08b3f32a0c7b8078e1*33
23900	BestCrypt v3 Volume Encryption	$bcve$3$08$234b8182cee7098b$35c12ef76a1e88175c4c222da3558310a0075bc7a06ecf46746d149c02a81fb8a97637d1103d2e13ddd5de
24100	MongoDB ServerKey SCRAM-SHA-1	$mongodb-scram$*0*dXNlcg==*10000*4p+f1tKpK18hQqrVr0UGOw==*Jv9lrpUQ2bVg2ZkXvRm2rppsqNw=
24200	MongoDB ServerKey SCRAM-SHA-256	$mongodb-scram$*1*dXNlcg==*15000*qYaA1K1ZZSSpWfY+yqShlcTn0XVcrNipxiYCLQ==*QWVry9aTS/JW+y5CWCBr8lcEH9Kr/D4je60ncc
24300	sha1($salt.sha1($pass.$salt))	94520b02c04e79e08a75a84c2a6e3ed4e3874fe8:ThisIsATestSalt
24410	PKCS#8 Private Keys (PBKDF2-HMAC-SHA1 + 3DES/AES)	PEM1$4$f5662bd8383b4b40$2048$2993b585d3fb2e7b235ed13d90f637e2$1232$73984f2cba4d5e1d327a3f5a538a946099976ab86534
24420	PKCS#8 Private Keys (PBKDF2-HMAC-SHA256 + 3DES/AES)	PEM2$4$ed02960b8a10b1f1$2048$a634c482a95f23bd8fada558e1bac2cf$1232$50b21db4aededb96417a9b88131e6bc3727739b4aa141
24500	Telegram Desktop >= v2.1.14 (PBKDF2-HMAC-SHA512)	$telegram$2*100000*77461dcb457ce9539f8e4235d33bd12455b4a38446e63b52ecdf2e7b65af4476*f705dda3247df6d690dfc7f44d8c6669
24600	SQLCipher	SQLCIPHER*1*64000*255482491956774041562618162614 56*85b5e156e1cf1e0be5e9f4217186817b*33435c230bbc7989bbd027630e3f4
24700	Stuffit5	66a75cb059
24800	Umbraco HMAC-SHA1	8uigXlGMNI7BzwLCJlDbcKR2FP4=
24900	Dahua Authentication MD5	GRuHbyVp
25000	SNMPv3 HMAC-MD5-96/HMAC-SHA1-96 [8]	$SNMPv3$0$45889431$30818f0201033011020409242fc0020300ffe30401010201030438303604118001f88808106d566db57fd60000000
25100	SNMPv3 HMAC-MD5-96 [8]	$SNMPv3$1$45889431$30818f0201033011020409242fc0020300ffe30401010201030438303604118001f88808106d566db57fd60000000
25200	SNMPv3 HMAC-SHA1-96 [8]	$SNMPv3$2$45889431$30818f0201033011020437 1780f3020300ffe30401010201030438303604118001f88808106d566db57fd60000000
25300	MS Office 2016 - SheetProtection	$office$2016$0$100000$876MLoKTq42+/DLp415iZQ==$TNDvpvYyvlSUy97UOLKNhXynhUDDA7H8kLql0ISH5SxcP6hbthdjaTo4Z3/MU0dcR2
25400	PDF 1.4 - 1.6 (Acrobat 5 - 8) - user and owner pass	pdf2*3*128*-3904*1*16*631ed33746e50fba5caf56bcc39e09c6*32*5f9d0e4f0b39835dace0d306c40cd6b70000000000000000000000
25500	Stargazer Stellar Wallet XLM	$stellar$YAlIJziURRcBEWUwRSRDWA==$EutMmmcV5Hbf3p1I$rfSAF349RvGKG4R4Z2VCrH9WjNEKjbJa9hpOja9Yn8MwXruuFEMtw47HPn9C
25600	bcrypt(md5($pass)) / bcryptmd5	$2a$05$/VT2Xs2dMd8GJKfrXhjYP.DkTjOVrY12yDN7/6I8ZV0q/1lEohLru
25700	MurmurHash	b69e7687:05094309
25800	bcrypt(sha1($pass)) / bcryptsha1	$2a$05$Uo385Fa0g86uUXHwZxB90.qMMdRFExaXePGka4WGFv.86I45AEjmO
25900	KNX IP Secure - Device Authentication Code	$knx-ip-secure-device-authentication-code$*3033*fa7c0d787a9467c209f0a6e7cf16069ed704f3959dce19e45d7935c0a91bce41*f927640d
26000	Mozilla key3.db	$mozilla$*3DES*b735d19e6cadb5136376a98c2369f22819d08c79*2b36961682200a877f7d5550975b614acc9fefe3*f03f3575fd5bdbc9e32
26100	Mozilla key4.db	$mozilla$*AES*5add91733b9b13310ea79a4b38de5c3f797c3bf1*54c17e2a8a066cbdc55f2080c5e9f02ea3954d712cb34b4547f5186548f46
26200	OpenEdge Progress Encode	lebVZteiEsdpkncc
26300	FortiGate256 (FortiOS256)	SH2MCKr6kt9rLQKbn/YTlncOnR6OtcJ1YL/h8hw2wWicjSRf3bbkSrL+q6cDpg=
26401	AES-128-ECB NOKDF (PT = $salt, key = $pass)	e7a32f3210455cc044f26117c4612aab:860466277729653285232237521737 24
26402	AES-192-ECB NOKDF (PT = $salt, key = $pass)	2995e91b798ef51232a91579edb1d176:498693640344113767917 29962721320
26403	AES-256-ECB NOKDF (PT = $salt, key = $pass)	264a4248c9522cb74d33fe26cb596895:612702100112948802872 32432636227
26500	iPhone passcode (UID key + System Keybag)	$uido$77889b1bca161ce876d976a102c7bf82$309054572455142561715636787431288783277 7$50000$2d4c86b71c0c04129a47c6468e2
26600	MetaMask Wallet [8]	$metamask$h0c2mQBGgnhlJ4EWMhdAAZhHlFeZNVlAEwOHQHaEBhY=$q9de9oljOBLWBQRtk9Ugog==$FyaooZR89c3APBYH290LhPdyCsiqrH
26610	MetaMask Wallet (short hash, plaintext check) [8] *	$metamask-short$jfGI3TXguhb8GPnKSXFrMzRk2NCEc131Gt5G3kZr5+s=$h+BoIf2CQ5BEjaIOShFE7g==$R95fzGt4UQ0uwrcrVYnIi4UcSlWr
26700	SNMPv3 HMAC-SHA224-128 [8]	$SNMPv3$3$45889431$3081970201033011020 47aa1a79e020300ffe30401010201030440303e041180001f88808106d566db57fd6000000
26800	SNMPv3 HMAC-SHA256-192 [8] [8]	$SNMPv3$4$45889431$30819f0201033011020 47fc51818020300ffe30401010201030448304604118001f88808106d566db57fd60000000
26900	SNMPv3 HMAC-SHA384-256 [8]	$SNMPv3$5$45889431$3081a7020103301102045 5c0c85c020300ffe30401010201030450304e041180001f88808106d566db57fd6000000
27000	NetNTLMv1 / NetNTLMv1+ESS (NT) [22]	::5V4T:ada06359242920a50000000000000000000000000000000:0556d5297b5daa70eaffde82ef99293a3f3bb59b7c9704ea:9c23f6c094
27100	NetNTLMv2 (NT) [22]	0UL5G37JOIOSX::6VB1IS0KA74:ebe1afa18b7fbfa6:aab8bf8675658dd2a939458a1077ba08:01010000000000031c8aa092510945398b9f7
27200	Ruby on Rails Restful Auth (one round, no sitekey)	3999d08db95797891ec77f07223ca81bf43e1be2:5dcc47b04c49d3c8e1b9e4ec367fddeed21b7b85
27300	SNMPv3 HMAC-SHA512-384 [8]	$SNMPv3$6$45889431$3081b7020103301102043 67c80d4020300ffe30401010201030460305e041180001f88808106d566db57fd6000000
27400	VMware VMX (PBKDF2-HMAC-SHA1 + AES-256-CBC)	vmx0$10000$264bbab02fdf7c1a793651120bec3723$cbb368564d8dfb99f509d4922f4693413f3816af713f0e76bc2409ff9336935d
27500	VirtualBox (PBKDF2-HMAC-SHA256 & AES-128-XTS)	$vbox$0$260000$fcc37189521686699a43e49514b91f159306be108b98895666583cd15c3e206b$8$288c3957db47e7c3dff2f7932121eb33
27600	VirtualBox (PBKDF2-HMAC-SHA256 & AES-256-XTS)	$vbox$0$160000$54aff69fca91c20b3b15618c6732c4a2f953dd88690cd4cc731569b6b80b5572$16$cfb003087e0c618afa9ad7e44adcd9751
27700	MultiBit Classic .wallet (scrypt)	$multibit$3*16384*8*1*7523cb5482e81b81*91780fd49b81a782ab840157a69ba7996d81270eaf456c850f314fc1787d9b0b
27800	MurmurHash3	23e93f65:00000000
27900	CRC32C	5e23d60f:00000000
28000	CRC64Jones	65c1f848fe38cce6:4260950400318054
28100	Windows Hello PIN/Password	$WINHELLO$*SHA512*10000*00761655*3b3d3197efb2839a6072e922cc03be910be55d1e60389689c05b520d2d57c06258dc5a48798ba65
28200	Exodus Desktop Wallet (scrypt)	EXODUS:16384:8:1:IYkXZgFETRmFp4wQXyP8XMe3LtuOw8wMdLcBVQ+9YWE=:lq0W9ekN5sC0O7Xw:UD4a6mUUhkTbQtGWitXHZUg0pQ4F
28300	Teamspeak 3 (channel hash)	$teamspeak$3$E0aV0IQ29EDyxRfkFoQflUGJ6zo=$mRgDUkNpd0IwUEcTJQBmE0NHYwdDEhFzQ0VgMRcFJUIRYnaHBwNXRZJwk2ZUaURzdXk
28400	bcrypt(sha512($pass)) / bcryptsha512	$2a$12$KhivLhCuLhSyMBOxLxCyLu78x4z2X/EJdZNfS3Gy36fvRt56P2jbS
28501	Bitcoin WIF private key (P2PKH), compressed [26]	1Jv6EonXm9x4Dw4QjEPAhGfmzFxTL7b3Zj
28502	Bitcoin WIF private key (P2PKH), uncompressed [27]	1L9nr4GX4Zmd7gDL1UT75QPUqxSgNTvdHb
28503	Bitcoin WIF private key (P2WPKH, Bech32), compressed [28]	bc1qxd76a5zamfyw0g2d2rxkdh0zt9m0uzmxmwjf0q
28504	Bitcoin WIF private key (P2WPKH, Bech32), uncompressed [29]	bc1qv8e65p73gmp4w3z6fqnyu8t6ct69vetsda3snd
28505	Bitcoin WIF private key (P2SH(P2WPKH)), compressed [30]	3H1YvmSdrjEfj9LvtiKJ8XiYq5htJRuejA

Hash-Mode	Hash-Name	Example
28506	Bitcoin WIF private key (P2SH(P2WPKH)), uncompressed [31]	3LovFVx5zBRvusVcj7pf3JxV9V46kjKhKu
28600	PostgreSQL SCRAM-SHA-256	SCRAM-SHA-256$4096:IKfxzJ8Nq4PkLJCfgKcPmA==$iRw3qwTp18uaBnsTOEExbtgWdKeBMbSSnZvqD4sdqLQ=:hPciC1CcnBna3szR8Mf3MV
28700	Amazon AWS4-HMAC-SHA256	$AWS-Sig-v4$0$20220221T000000Z$us-east-1$s3$421ab6e4af9f49fa30fa9c253fcfeb2ce91668e139e6b23303c5f75b04f8a3c4$3755ed2b
28800	Kerberos 5, etype 17, DB	$krb5db$17$test$TEST.LOCAL$1c41586d6c060071e08186ee214e725e
28900	Kerberos 5, etype 18, DB	$krb5db$18$test$TEST.LOCAL$266b5a53a6d663c3f69174f3309acada8e467c097c7973699f86286a6cf1a6c7
29000	sha1($salt.sha1(utf16le($username).':'.utf16le($pass)))	339b5eaa53f28516008e9ca710857d3a4785b6fc:8ca064ff42fcab5a8f0692544b8dd3d3054bd73fe9afaa08c6b6b310538cc9a7:757365726e6
29100	Flask Session Cookie ($salt.$salt.$pass)	eyJ1c2VybmFtZSI6ImFkbWluIn0.YjdgRQ.1OTlf1PD0H9wXsu_qS0aywAJVD8
29200	Radmin3	$radmin3$7500730065007 2006e0061006d006500*c63bf695069d564844c4849e7df6d41f1fbc5f3a7d8fe27c5f20545a238398fa*0062fb848
29311	TrueCrypt RIPEMD160 + XTS 512 bit	$truecrypt$87914967f14737a67fb460f27b8aeb81de2b41bf2740b3dd78784e02763951daa47c7ca235e75c22ec8d959d6b67f7eedefad61e6a
29312	TrueCrypt RIPEMD160 + XTS 1024 bit	$truecrypt$d6e1644acd373e6fdb8ccaaeab0c400d22eaa0b02e2a6649e065ad50f91e2f81fc5e1600d1cdf3b4ee72a7326a9a28d336ec65adf2c
29313	TrueCrypt RIPEMD160 + XTS 1536 bit	$truecrypt$3916e924d246e5ceb17b140211fff57b67150b3dee53fa475261d465b0ee3e56ee820e6ba3958d84c61508f028b2a112e900587777
29321	TrueCrypt SHA512 + XTS 512 bit	$truecrypt$5ebff6b4050aaa3374f9946166a9c4134dd3ec0df1176da2fb103909d20e8b3c9b95cbbd6d1a7ad05411a1443ad6254e059e924d7
29322	TrueCrypt SHA512 + XTS 1024 bit	$truecrypt$9f207bec0eded18a1b2e324d4f05d2f33f0bd1aeb43db65d33242fa48ac960fad4c14d04c553e06ad47e7e394d16e0a6544d35fb0b
29323	TrueCrypt SHA512 + XTS 1536 bit	$truecrypt$721a7f40d2b88de8e11f1a203b04ffa97a1f5671623c6783f984cc7c55e04665f95a7f3fd52f402898aaaed68d048cc4c4fabf81c2683
29331	TrueCrypt Whirlpool + XTS 512 bit	$truecrypt$cf53d4153414b63285e701e52c2d99e148c6ccc4508132f82cb41862d0a0ac9ea16274285ac261c339c1508eec9fea54c33e382458
29332	TrueCrypt Whirlpool + XTS 1024 bit	$truecrypt$e9e503972b72dee996b0bfced2df003a54b42399e3586520cf1f69475ba32aff564e40e604a505af95ce15220f558ae815e94ce4953
29333	TrueCrypt Whirlpool + XTS 1536 bit	$truecrypt$de7d6725cc4c910a7e96307df69d41335e64d17b4425ca5bf1730f27820f92df9f20f3e855d8566eb5255927153f987348789666c8
29341	TrueCrypt RIPEMD160 + XTS 512 bit + boot-mode	$truecrypt$2b5da9924119fde5270f712ba3c3e4974460416e8465f222149499908c2fca0a4753b581f26625d11c4d3f49bdeb1c95bc3e17629c
29342	TrueCrypt RIPEMD160 + XTS 1024 bit + boot-mode	$truecrypt$debcc3e74a7b2acb4c7eaa4ac86fd6431da1d9579f4f76f0b31f07b3d36e65099daca9e4ae569114b3cb6e64d707b6206a2ab6b31a
29343	TrueCrypt RIPEMD160 + XTS 1536 bit + boot-mode	$truecrypt$5e6628907291b0b74a4f43a23fb0693acb71c4379c3a3cc0eafbab40036bbdadfede179e04484aca0f5b6ecf7c7e8abe61d6836be65
29411	VeraCrypt RIPEMD160 + XTS 512 bit	$veracrypt$531aca1fa6db5118506320114cb11a9f00dade61720533fc12982b28ec71a1a3856ac6ee44b4acc207c8230352208d5f0dc37bf755
29412	VeraCrypt RIPEMD160 + XTS 1024 bit	$veracrypt$531aca1fa6db5118506320114cb11a9f00dade61720533fc12982b28ec71a1a3856ac6ee44b4acc207c8230352208d5f0dc37bf755
29413	VeraCrypt RIPEMD160 + XTS 1536 bit	$veracrypt$531aca1fa6db5118506320114cb11a9f00dade61720533fc12982b28ec71a1a3856ac6ee44b4acc207c8230352208d5f0dc37bf755
29421	VeraCrypt SHA512 + XTS 512 bit	$veracrypt$2be25b279d8d2694e0ad1e5049902e717f1bdf741bbd678bf307d510741b649d78c54dca46fb2c92723afd9a40769b295e66d445
29422	VeraCrypt SHA512 + XTS 1024 bit	$veracrypt$37e6db10454a5d74c1e75eca0bc8a70e67ac032357e4bd6a4315c0174cf9780f92210dfc0a3e977969f2890828d446aecc317dc40
29423	VeraCrypt SHA512 + XTS 1536 bit	$veracrypt$d44f26d1742260f88023d825729cc5a64cf8475d887632a2fb4a84af27af138cfadc4bcbb122f6ba68339ae8427d1f72c0c4aeef0412
29431	VeraCrypt Whirlpool + XTS 512 bit	$veracrypt$48f79476aa0aa8327a8a9056e61450f4e2883c9e9669142f2e2f022c2f85303b897d088dea03d64329f6c402a56fed05b39197159
29432	VeraCrypt Whirlpool + XTS 1024 bit	$veracrypt$1b721942019ebe8cedddbed7744a0702c0e053281a467e0ed69bf875c7406407d72eb8f2aea21270e41898c0a2c14382f86e04c1
29433	VeraCrypt Whirlpool + XTS 1536 bit	$veracrypt$5eb128daef63eff7e6db6aa10a8858f89964f47844acca68df82ebb2e73866fa75e3b7a53f9d2ff1ecdd1f4dc90e9c0fdf51f60d11b19
29441	VeraCrypt RIPEMD160 + XTS 512 bit + boot-mode	$veracrypt$528c2997054ce1d22cbc5233463df8119a0318ab94aa715e6e686c898f36690b443221a18f578fb893e0db1e4b875cc711eab542e
29442	VeraCrypt RIPEMD160 + XTS 1024 bit + boot-mode	$veracrypt$a3c0fa44ec59bf7a3eed64bf70b8a60623664503eeb972eb51fa25ee921d813f8e45d3e1ab1c0088a62482bb78c6e07308d2308d3
29443	VeraCrypt RIPEMD160 + XTS 1536 bit + boot-mode	$veracrypt$1a8c0135fa94567aa866740cb27c5b9763c95be3ac0b7b5c744a36e48c08ae38d6d06ae5db926c64d05295cef134fb4d8eaa96a7b
29451	VeraCrypt SHA256 + XTS 512 bit	$veracrypt$b8a19a544414e540172595aef79e6616f504799b40a407edfb69d40534e93f0bdb3187876f0b7a21739b3a9bb02bd4752eac4d20
29452	VeraCrypt SHA256 + XTS 1024 bit	$veracrypt$1c3197f32dc5b72b4d60474a7a43afefb0d2e856a8fc4957c3fb1188b62cb0ca002f585c125bb33c5a5e85a665afae9fce15cb127c2
29453	VeraCrypt SHA256 + XTS 1536 bit	$veracrypt$f421bdc1087b8319c12d84a680ceab0102e8e41c9ccffe76dbe0215dcfcb7b543f3e1bbedd099e88646823dae5bad8468b72436961
29461	VeraCrypt SHA256 + XTS 512 bit + boot-mode	$veracrypt$c8a5f07efc320ecd797ac2c5b911b0f7ee688f859890dd3fa39b4808eb3113219e2bf1517f46a20feba286a3f3e997c80361132262b
29462	VeraCrypt SHA256 + XTS 1024 bit + boot-mode	$veracrypt$6bb6eef1af55eb2b2849e1fc9c90c08f705010efa6443581111216b3e145201374bb8e626e4d94a4ce7ecabb11aa57610063fceed3
29463	VeraCrypt SHA256 + XTS 1536 bit + boot-mode	$veracrypt$f95b222552195378a228d932f7df38ca459b6d812899be43944ba2e9bf47967ba35da17bf69cc3f424521983989a66fd3c7865af6c
29471	VeraCrypt Streebog-512 + XTS 512 bit	$veracrypt$444ec71554f0a2989b34bd8a5750ae7b5ed8b1ccdead29120fc030bd5186f312a7fa18ab4f4389d7798e43c073afd1e71dda2052db
29472	VeraCrypt Streebog-512 + XTS 1024 bit	$veracrypt$0f5da0b17c60edcd392058752ec29c389b140b54cd1f94de43dccea703b1fd37936e75a500b7f9d4e94e7f214c4696c051be969779
29473	VeraCrypt Streebog-512 + XTS 1536 bit	$veracrypt$18d2e8314961850f8fc26d2bc6f896db9c4eee301b5fa7295615166552b2422042c6cf6212187ec9c0234908e7934009c23ceed0c4
29481	VeraCrypt Streebog-512 + XTS 512 bit + boot-mode	$veracrypt$2bfe4a72e13388a9ce074bbe0711a48d62f123df85b09e0350771edc4a0e4f397038a49b900275c9158145a96b52f95e92f927b3f5
29482	VeraCrypt Streebog-512 + XTS 1024 bit + boot-mode	$veracrypt$af7a64c7c81f608527552532cc7049b0d369e2ce20202d7a41ffb94300cbc9c7ce2130247f49ace4c1512fc3d1b4289ca965e8eb065
29483	VeraCrypt Streebog-512 + XTS 1536 bit + boot-mode	$veracrypt$0c9d7444e9e64a833e857163787b2f6349224bdb4bbf788ce25156c8705142266747 25be3eebc3f2a2c2ee8adbf8bb3ec1405a333
29511	LUKS v1 SHA-1 + AES	https://hashcat.net/misc/example_hashes/hashcat_luks_sha1_aes_cbc-essiv_128.txt [https://hashcat.net/misc/example_hashes/hashcat_luks_
29512	LUKS v1 SHA-1 + Serpent	https://hashcat.net/misc/example_hashes/hashcat_luks_sha1_serpent_cbc-plain64_256.txt [https://hashcat.net/misc/example_hashes/hashca
29513	LUKS v1 SHA-1 + Twofish	https://hashcat.net/misc/example_hashes/hashcat_luks_sha1_twofish_xts-plain64_256.txt [https://hashcat.net/misc/example_hashes/hashcat
29521	LUKS v1 SHA-256 + AES	https://hashcat.net/misc/example_hashes/hashcat_luks_sha256_aes_cbc-plain64_128.txt [https://hashcat.net/misc/example_hashes/hashcat_
29522	LUKS v1 SHA-256 + Serpent	https://hashcat.net/misc/example_hashes/hashcat_luks_sha256_serpent_xts-plain64_512.txt [https://hashcat.net/misc/example_hashes/hash
29523	LUKS v1 SHA-256 + Twofish	https://hashcat.net/misc/example_hashes/hashcat_luks_sha256_twofish_cbc-essiv_256.txt [https://hashcat.net/misc/example_hashes/hashca
29531	LUKS v1 SHA-512 + AES	https://hashcat.net/misc/example_hashes/hashcat_luks_sha512_aes_cbc-plain64_256.txt [https://hashcat.net/misc/example_hashes/hashcat_
29532	LUKS v1 SHA-512 + Serpent	https://hashcat.net/misc/example_hashes/hashcat_luks_sha512_serpent_cbc-essiv_128.txt [https://hashcat.net/misc/example_hashes/hashca
29533	LUKS v1 SHA-512 + Twofish	https://hashcat.net/misc/example_hashes/hashcat_luks_sha512_twofish_cbc-plain64_256.txt [https://hashcat.net/misc/example_hashes/hash
29541	LUKS v1 RIPEMD-160 + AES	https://hashcat.net/misc/example_hashes/hashcat_luks_ripemd160_aes_cbc-essiv_256.txt [https://hashcat.net/misc/example_hashes/hashca
29542	LUKS v1 RIPEMD-160 + Serpent	https://hashcat.net/misc/example_hashes/hashcat_luks_ripemd160_serpent_xts-plain64_256.txt [https://hashcat.net/misc/example_hashes/l
29543	LUKS v1 RIPEMD-160 + Twofish	https://hashcat.net/misc/example_hashes/hashcat_luks_ripemd160_twofish_cbc-plain64_128.txt [https://hashcat.net/misc/example_hashes/l
29700	KeePass 1 (AES/Twofish) and KeePass 2 (AES) - keyfile only mode [32]	$keepass$*2*60000*0*02078d460c3c837003f22ee2ba42b3ac2a9ad9e913efb61349b3f91aacd0b004*c901781373cb6806df4b4c7b427ba6
29800	Bisq .wallet (scrypt) *	$bisq$3*32768*8*6*31d838af87f99cb8*5cfb7bf3228d9e865881156e17b1866589ffa6b757011e25d1319083595236d2
29910	ENCsecurity Datavault (PBKDF2/no keychain) *	$encdv-pbkdf2$1$1$121f898edc51ffb2$14e6bf4e9256f9e4$32$19724898538822546447951015990635790978126618888136525973800
29920	ENCsecurity Datavault (PBKDF2/keychain) *	$encdv-pbkdf2$3$1$c232aba45699c80b$473d5dd2e0833ac7$32$44547169263224935811140426163715827822025324939835415778
29930	ENCsecurity Datavault (MD5/no keychain) *	$encdv$1$1$3a427b9ee5851118$4f52176bb9a1b3b6
29940	ENCsecurity Datavault (MD5/keychain) *	$encdv$3$1$91b9babb3820c527$1ff4cb6657adad34$d9067c4d059879dfee2edeb3999871973d422ff5fa868c51b025d07f644187889dc550
30000	Python Werkzeug MD5 (HMAC-MD5 (key = $salt)) *	md5$84143$7f51edecfa6fb401a0b5e63d33fc8c0e
30120	Python Werkzeug SHA256 (HMAC-SHA256 (key = $salt)) *	sha256$70108387805$8b9472281c36c3a693703de0
30420	DANE RFC7929/RFC8162 SHA2-256 *	127e6fbfe24a750e72930c220a8e138275656b8e5d8f48a98c3c92df
30500	md5(md5($salt).md5(md5($pass))) *	e13bb4b8e5a98db7277df344aa3363cf:28945624531
30600	bcrypt(sha256($pass)) / bcryptsha256 *	$2b$10$FxDtpTNaL303lLcWtd6LFO2U6Gc63VJ07qycHcfqbQQ71GhO/qSzu
30700	Anope IRC Services (enc_sha256) *	sha256:ab67666e1f91cd38c0ab5bee9c8d2132eca7460354477109a739d4e735b14131:47bcfd0d573653943231df07445da774e5d06465c8

Hash-Mode	Hash-Name	Example
30901	Bitcoin raw private key (P2PKH), compressed [33] *	14Fqy5AGRehazZ4NLzxFWy2E4BiNFdH9Ut
30902	Bitcoin raw private key (P2PKH), uncompressed [34] *	12sLRz1TKPZurKCwVqeT5FkW3Y7usipPbZ
30903	Bitcoin raw private key (P2WPKH, Bech32), compressed [35] *	bc1q926ca6n7wz7gm2gfd8xc5p0vu687ngvnknpx74
30904	Bitcoin raw private key (P2WPKH, Bech32), uncompressed [36] *	bc1qq6samcuksd2f6rsc48eu3lkq87zp33vfud0p0t
30905	Bitcoin raw private key (P2SH(P2WPKH)), compressed [37] *	3JqAMRQN3Gd6i8yV3Kw7v55RmFxW7iW2Aq
30906	Bitcoin raw private key (P2SH(P2WPKH)), uncompressed [38] *	3PmD8zdrFD8KVgLrguVDCP2RJB4Rh35G9Z
31000	BLAKE2s-256 *	$BLAKE2$2c719b484789ad5f6fc1739012182169b25484af156adc91d4f64f72400e574a
31100	SM3 *	51227e48ea74827b77fc142c3ec21d25cc42c794e6ac422825cd47ad4ac7913d
31200	Veeam VBK *	vbk*5473170276914975274149596062599620739968828454193370239477596097873069550438215522340544434285592015008
31300	MS SNTP *	$sntp-ms$cfc7023381cf6bb474cdcbeb0a67bdb3$907733697536811342962140955567108526489624716566696971338784438986103
99999	Plaintext	hashcat

* In beta or not yet released

[1] Password: "hashcat!"

[2] rounds=[# of iterations] is **optional** here, after signature, e.g. 5rounds=5000

[3] Same format as in [2] but the number of rounds **must** be specified

[4] The hash used here is **not** the one sent via e.g. the web interface to LastPass servers (pbkdf2_sha256_hex (pbkdf2_sha256 ($pass, $email, $iterations), $pass, 1) but instead the one stored (by e.g. your browser or the pocket version) to disk. For instance, Opera and Chrome store the hash in local SQLite databases; Firefox uses files ending with "lpall.slps" - for Linux: 2nd line is interesting / base64 decode it; for Windows, see here [https://hashcat.net/forum/thread-2701-post-16111.html#pid16111] - and_key.itr

[5] You can consider the second part as a "salt". If it is equal to 00000000, the CRC32 code will be considered as "not salted"

[6] The raw sha256 output is used for base64() encoding (not the hexadecimal output)

[7] The format is hash:salt:id

[8] Password: "hashcat1"

[9] Password: "hashcat1hashcat1hashcat1"

[10] This file actually contains several examples of the different hash+cipher combinations. The password is stored in the pw file.

[11] You can use itunes_backup2hashcat [https://github.com/philsmd/itunes_backup2hashcat/] to extract the hashes from the Manifest.plist file

[12] Password: "hashcat!!!". Min/max password length is exactly 10 characters/bytes.

[13] You can use AxSuite by Fist0urs [https://github.com/Fist0urs/AxSuite] to retrieve the hashes.

[14] Password: a288fcf0caaacda9a9f58633ff35e8992a01d9c10ba5e02efdf8cb5d730ce7bc

[15] Password: 5b13d4babb3714ccc62c9f71864bc984efd6a55f237c7a87fc2151e1ca658a9d

[16] PIM: 500

[17] full password in output is hashcat, but input provided must be without the first 6 bytes (therefore just: t)

[18] 88f43854ae7b1624fc2ab7724859e795130f4843c7535729e819cf92f39535dc

[19] use this SQL query to extract the hashes:

```
SELECT user, CONCAT('$mysql', SUBSTR(authentication_string,1,3), LPAD(CONV(SUBSTR(authentication_string,4,3),16,10),4,0),'*',INSERT(HEX(SUBSTR(authentication_string,8)),41,0,'*')) AS hash
```

[20] Password: "hashcat_hashcat_hashcat_hashcat_"

[21] you can extract the hashes with https://github.com/0x6470/bitwarden2hashcat [https://github.com/0x6470/bitwarden2hashcat]

[22] Password: b4b9b02e6f09a9bd760f388b67351e2b

[23] Password: $HEX[91b2e062b9]

[24] Password: $HEX[b8f63619ca]

[25] Password: $HEX[6a8aedccb7]

[26] Password: KxhashcatxhXkULNJYF8Fu46G28SJrC7x2qwFtRuf38kVjkWxHg3

[27] Password: 5KcL859EUnBDtVG76134U6DZWnVmpE996emJnWmTLRW2hashcat

[28] Password: KyhashcatpL2CQmMUDVMVuEXqdLSvfQ6TBjkUuyttSvBa7GMiuLi

[29] Password: 5HzV19ffW9QTnmZHbwETRpPHm1d4hAP8PG1etUb3T3jjhashcat

[30] Password: L4hashcat7q6HMnMFcukyvxxVJvpabXYjxXLey8846NtWUyX4YLi

[31] Password: 5JjDR424kMePbt5Uxnm2t1NizhdiVPcf8gCj68PQpP2ihashcat

[32] Password: 127e6fbfe24a750e72930c220a8e138275656b8e5d8f48a98c3c92df2caba935

[33] Password: 59887ec9920239bd45b6a9f82b7c4e024f80beaf887e5ee6aac5de0a899d3068

[34] Password: 2006a306cf8f61c18c4e78e5fc0f5a7aa473b5ffb41f34344a32f8e042786fa1

[35] Password: 4d1987d7a341d51557af59996845740135ab2506515426ada57cc8ec05adf794

[36] Password: 25c9f8f734d87aacd9308705ca50b9819a57425ffbfae41cef869b19764d72c2

[37] Password: 83b45ff8d85f37aafc05a8accd1f1cd5e50868b57e2ef0ef6f287bb4d8d17786

[38] Password: 4c969ccc86d9e1f557b4ff1f19badc9a99718dd2aec8fcf66460612e05f5f7dd

Specific hash types

These hash types are usually only found on a specific platform.

Hash-Mode	Hash-Name	Example
11	Joomla < 2.5.18	19e0e8d91c722e7091ca7a6a6fb0f4fa:54718031842521651757785603028777
12	PostgreSQL	a6343a68d964ca596d9752250d54bb8a:postgres
21	osCommerce, xt:Commerce	374996a5e8a5e57fd97d893f7df79824:36
22	Juniper NetScreen/SSG (ScreenOS)	nNxKL2rOEkbBc9BFLsVGG6OtOUO/8n:user
23	Skype	3af0389f093b181ae26452015f4ae728:user

Hash-Mode	Hash-Name	Example
24	SolarWinds Serv-U	e983672a03adcc9767b24584338eb378
101	nsldap, SHA-1(Base64), Netscape LDAP SHA	{SHA}uJ6qx+YUFzQbcQtyd2gpTQ5qJ3s=
111	nsldaps, SSHA-1(Base64), Netscape LDAP SSHA	{SSHA}AZKja92fbuuB9SpRlHqaoXxbTc43Mzc2MDM1Ng==
112	Oracle S: Type (Oracle 11+)	ac5f1e62d21fd0529428b84d42e8955b04966703:38445748184477378130
121	SMF (Simple Machines Forum) > v1.1	ecf076ce9d6ed3624a9332112b1cd67b236fdd11:17782686
122	macOS v10.4, macOS v10.5, macOS v10.6	1430823483d07626ef8be3fda2ff056d0dfd818dbfe47683
124	Django (SHA-1)	sha1$fe76b$02d5916550edf7fc8c886f044887f4b1abf9b013
125	ArubaOS	5387280701327dc2162bdeb451d5a465af6d13eff9276efeba
131	MSSQL (2000)	0x0100270256050000000000000000000000000000000000000000000008db43dd9b1972a636ad0c7d4b8c515cb8ce46578
132	MSSQL (2005)	0x0100180102152f8f28c8499d8ef263c53f8be369d799f931b2fbe
133	PeopleSoft	uXmFVrdBvv293L9kDR3VnRmx4ZM=
141	Episerver 6.x < .NET 4	$episerver$*0*bEtiVGhPNlZpcUN4a3ExTg==*utkfN0EOgljbv5FoZ6+AcZD5iLk
1411	SSHA-256(Base64), LDAP {SSHA256}	{SSHA256}OZiz0cnQ5hgyel3Emh7NCbhBRCQ+HVBwYplQunHYnER7TLuV
1421	hMailServer	8fe7ca27a17adc337cd892b1d959b4e487b8f0ef09e32214f44fb1b07e461c532e9ec3
1441	Episerver 6.x >= .NET 4	$episerver$*1*MDEyMzQ1Njc4OWFiY2RlZg==*lRjiU46qHA7S6ZE7RfKUcYhB85ofArj1j7TrCtu3u6Y
1711	SSHA-512(Base64), LDAP {SSHA512}	{SSHA512}ALtwKGBdRgD+U0fPAy31C28RyKYx7+a8kmfksccsOeLknLHv2DBXYI7TDnTolQMBuPkWDISgZr2cHfnNPFjGZTEyNDU4OTkw
1722	macOS v10.7	648742485c9b0acd786a233b2330197223118111b481abfa0ab8b3e8ede5f014fc7c523991c007db6882680b09962d16fd9c45568260531bdb34804a5e31c22b4cfeb32d
1731	MSSQL (2012, 2014)	0x02000102030434ea1b17802fd95ea6316bd61d2c94622ca3812793e8fb1672487b5c904a45a31b2ab4a78890d563d2fcf5663e46fe797d71550494be50cf4915d3f4d55ec37
2611	vBulletin < v3.8.5	16780ba78d2d5f02f3202901c1b6d975:568
2612	PHPS	$PHPS$34323438373734$5b07e065b9d78d69603e71201c6cf29f
2711	vBulletin >= v3.8.5	bf366348c53ddcfbd16e63edfdd1eee6:181264250056774603641874043270
2811	MyBB 1.2+, IPB2+ (Invision Power Board)	8d2129083ef35f4b365d5d87487e1207:47204
3711	MediaWiki B type	B56668501$0ce106caa70af57fd525aeaf80ef2898
4521	Redmine	1fb46a8f81d8838f46879aaa29168d08aa6bf22d:3290afd193d90e900e8021f81409d7a9
4522	PunBB	4a2b722cc65ecf0f7797cdaea4bce81f66716eef:653074362104
4711	Huawei sha1(md5($pass).$salt)	53c724b7f34f09787ed3f1b316215fc35c789504:hashcat1
7100	macOS v10.8+ (PBKDF2-SHA512)	ml35460$93a94bd24b5de64d79a5e49fa372827e739f4d7b6975c752c9a0ff1e5cf72e05$752351df64dd2ce9dc9c64a72ad91de6581a15c19176266b44d98919dfa81f0f96cb
7401	MySQL A (sha256crypt) [19]	$mysql$A$005*F9CC98CE08892924F50A213B6BC571A2C11778C5*625479393559393965414D45316477456B484F41316E64484742577A2E3162785353526B755458464
12001	Atlassian (PBKDF2-HMAC-SHA1)	{PKCS5S2}NzIyNzM0NzY3NTIwNjI3MdDDis7wPxSbSzfFqDGf7u/L00kSEnupbz36XCL0m7wa
20711	AuthMe sha256	SHA7218532375810603$bfede293ecf6539211a7305ea218b9f3f6089531304O5cda9eaba6fb6250f824
22301	Telegram Mobile App Passcode (SHA256)	$telegram$0*518c001aeb3b4ae96c6173be4cebe60a85f67b1e087b045935849e2f815b5e41*2518409805862195070932822183812 8

Legacy hash types

These hash types are only supported in hashcat-legacy or oclHashcat.

Hash-Mode	Hash-Name	Example
~~123~~	~~EPi~~	0x326C6D7B4E4F794B79474E36704F3572395839716373526351626565456E31 0xAFC55E260B8F45C0C6512BCE776C1AD8312B56E6
~~190~~	~~sha1(LinkedIn)~~ [2]	b89eaac7e61417341b710b727768294d0e6a277b
~~1431~~	~~base64(sha256(unicode($pass)))~~ [1]	npKD5jP0p6QtOryTcBFVvor+VmDaJMh1jn01M+Ly3II=
~~3300~~	~~MD5(Sun)~~ [1]	$md5$rounds=904$iPPKEBnEkp3JV8uX$0L6m7rOFTVFn.SGqo2M9W1
~~3610~~	~~md5(md5($salt).$pass)~~ [1]	7b57255a15958ef898543ea6cc3313bc:1234
~~3720~~	~~md5($pass.md5($salt))~~ [1]	10ce488714fdbde9453670e0e4cbe99c:1234
~~3721~~	~~WebEdition CMS~~ [1]	fa01af9f0de5f377ae8befb03865178e:5678
~~4210~~	~~md5($username.0.$pass)~~ [1]	09ea048c345ad336ebe38ae5b6c4de24:1234
~~4600~~	~~sha1(sha1(sha1($pass)))~~ [1]	dc57f246485e62d99a5110afc9264b4ccbfcf3cc

[1] Supported in hashcat-legacy
[2] Supported in oclHashcat

Superseded hash types

These hash types used to be in some version of hashcat, but were removed or replaced.

Hash-Mode	Hash-Name	Example	
5000	SHA-3 (Keccak)	203f88777f18bb4ee1226627b547808f38d90d3e106262b5de9ca943b57137b6	replaced by specific Keccak types in hashcat 5.0.0