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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.

NOTE: Some hash types require specific tools to extract the hashes for attack - consult hash format guidance [https://hashcat.net/wiki/doku.php?id=hash_format_guidance] for your hash type if it's not obvious how to prepare it for attack.

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$296c269e70ac5f0095e6fb47693480f0f7b97ccd0307f5c3bfa4df8f5ca5c9308a0e7108e80a0a9c0ebb715e8b7109b072046c6
610	BLAKE2b-512($pass.$salt)	$BLAKE2$41fcd44c789c735c08b43a871b81c8f617ca43918d38aee6cf8291c58a0b00a03115857425e5ff6f044be7a5bec8536b52d6c9
620	BLAKE2b-512($salt.$pass)	$BLAKE2$f0325fdfc3f82a014935442f7adbc069d4636d67276a85b09f8de368f122cf5195a0b780d7fee709fbf1dcd02ddcb581df84508c
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	82a9dda829eb7f8ffe9fbe49e45d47d2dad9664fbb7adf72492e3c81ebd3e29134d9bc12212bf83c6840f10e8246b9db54a4859b7ccd012
1710	sha512($pass.$salt)	e5c3ede3e49fb86592fb03f471c35ba13e8d89b8ab65142c9a8fdafb635fa2223c24e5558fd9313e8995019dcbec1fb584146b7bb12685c
1720	sha512($salt.$pass)	976b451818634a1e2acba682da3fd6efa72adf8a7a08d7939550c244b237c72c7d42367544e826c0c83fe5c02f97c0373b6b1386cc794b
1730	sha512(utf16le($pass).$salt)	13070359002b6fbb3d28e50fba55efcf3d7cc115fe6e3f6c98bf0e3210f1c6923427a1e1a3b214c1de92c467683f6466727ba3a51684022
1740	sha512($salt.utf16le($pass))	bae3a3358b3459c761a3ed40d34022f0609a02d90a0d7274610b16147e58ece00cd849a0bd5cf6a92ee5eb5687075b4e754324dfa70de
1750	HMAC-SHA512 (key = $pass)	94cb9e31137913665dbea7b058e10be5f050cc356062a2c9679ed0ad6119648e7be620e9d4e1199220cd02b9efb2b1c78234fa1000c72
1760	HMAC-SHA512 (key = $salt)	7cce966f5503e292a51381f238d071971ad5442488f340f98e379b3aeae2f33778e3e732fcc2f7bdc04f3d460eebf6f8cb77da32df25500c
1770	sha512(utf16le($pass))	79bba09eb9354412d0f2c037c22a777b8bf549ab12d49b77d5b25faa839e4378d8f6fa11aceb6d9413977ae5ad5d011568bad2de4f998c
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
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]

Hash-Mode	Hash-Name	Example
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).$salt)	53c724b7f34f09787ed3f1b316215fc35c789504:hashcat1
4800	iSCSI CHAP authentication, MD5(CHAP) [7]	afd09efdd6f8ca9f18ec77c5869788c3:0102030405060708091011121314151 6:01
4900	sha1($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:338d08f8e26de93300000000000000000000000000000000:9526fb8c23a90751cdd619b6cea564742e1e4bf33006b
5600	NetNTLMv2	admin::N46iSNekpT:08ca45b7d7ea58ee:88dcbe4446168966a153a0064958dac6:5c7830315c7830310000000000000b45c67103d07
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	7ca8eaaaa15eaa4c038b4c47b9313e92da827c06940e69947f85bc0fbef3eb8fd254da220ad9e208b6b28f6bb9be31dd760f1fdb26112d8
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
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
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_
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_ripemc
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/hashc
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_ripem
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/hashc
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_ri
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_serper
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_twofis
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_ae
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_s
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_s
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_s
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_sha51
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_se
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_tw
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_whirlpoo
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
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_whirlpoo
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
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_whi
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_ripemd16
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_riper

Hash-Mode	Hash-Name	Example
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_ripen
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_
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/
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_
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/
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/hash
6300	AIX {smd5}	{smd5}a5/yTL/u$VfvgyHx1xUlXZYBocQpQY0
6400	AIX {ssha256}	{ssha256}06$aJckFGJAB30LTe10$ohUsB7LBPlgclE3hJg9x042DLJvQyxVCX.nZZLEz.g2
6500	AIX {ssha512}	{ssha512}06$bJbkFGJAB30L2e23$bXiXjyH5YGIyoWWmEVwq67nCU5t7GLy9HkCzrodRCQCx3r9VvG98o7O3V0r9cVrX3LPPGuHqT5LLn
6600	1Password, agilekeychain	https://hashcat.net/misc/example_hashes/hashcat.agilekeychain [https://hashcat.net/misc/example_hashes/hashcat.agilekeychain]
6700	AIX {ssha1}	{ssha1}06$bJbkFGJAB30L2e23$dCESGOsP7jaIIAJ1QAcmaGeG.kr
6800	LastPass + LastPass sniffed[4]	a2d1f7b7a1862d0d4a52644e72d59df5:500:lp@trash-mail.com
6900	GOST R 34.11-94	df226c2c6dcb1d995c0299a33a084b201544293c31fc3d279530121d36bbcea9
7000	FortiGate (FortiOS)	AK1AAECAwQFBgcICRARNGqgeC3is8gv2xWWRony9NJnDgE=
7200	GRUB 2	grub.pbkdf2.sha512.10000.7d391ef48645f626b427b1fae06a7219b5b54f4f02b2621f86b5e36e83ae492bd1db60871e45bc07925cecb
7300	IPMI2 RAKP HMAC-SHA1	b7c2d6f13a43dce2e44ad120a9cd8a13d0ca23f0414275c0bbe1070d2d1299b1c04da0f1a0f1e4e2537300263a2200000000000000000
7350	IPMI2 RAKP HMAC-MD5 *	08b017f3628b9835c748521e412429c9:f3450000df540000cdd981b0b3441be8774a61e69321291891a29a0c5fdac3f06194bd2c29fa5
7400	sha256crypt 5, SHA256 (Unix) [2]	5rounds=5000$GX7BopJZJxPc/KEK$le16UF8I2Anb.rOrn22AUPWvzUETDGefUmAV8AZkGcD
7500	Kerberos 5, etype 23, AS-REQ Pre-Auth	$krb5pa$23$user$realm$salt$4e751db65422b2117f7eac7b721932dc8aa0d9966785ecd958f971f622bf5c42dc0c70b5323631383636
7700	SAP CODVN B (BCODE)	USER$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)	8084df19a6dc81e2597d051c3d8b400787e2d5a9:675504531542485218511535276537 5338838643
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*df1d601ccf905b375575
9500	MS Office 2010	$office$*2010*100000*128*16*7723320101727778826722101 4757262*b2d0ca4854ba19cf95a2647d5eee906c*e30cbbb189575ca
9600	MS Office 2013	$office$*2013*100000*256*16*7dd611d7eb4c899f74816d1dec817b3b*948dc0b2c2c6c32f14b5995a543ad037*0b7ee0e48e935f93
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
9800	MS Office <= 2003 SHA1 + RC4, oldoffice$3, oldoffice$4	$oldoffice$3*83328705222323020515404251156288*2855956a165ff6511bc7f4cd77b9e101*941861655e73a09c40f7b1e9dfd0c256
9810	MS Office <= 2003 $3, SHA1 + RC4, collider #1 [24]	$oldoffice$3*83328705222323020515404251156288*2855956a165ff6511bc7f4cd77b9e101*941861655e73a09c40f7b1e9dfd0c256
9820	MS Office <= 2003 $3, SHA1 + RC4, collider #2	$oldoffice$3*83328705222323020515404251156288*2855956a165ff6511bc7f4cd77b9e101*941861655e73a09c40f7b1e9dfd0c256
9900	Radmin2	22527bee5c29ce95373c4e0f359f079b
10000	Django (PBKDF2-SHA256)	pbkdf2_sha256$20000$H0dPx8NeajVu$GiC4k5kqbbR9qWBlsRgDywNqC2vd9kqfk7zdorEnNas=
10100	SipHash	ad61d78c06037cd9:2:4:81533218127174468417660201434054
10200	CRAM-MD5	$cram_md5$PG5vLXJlcGx5QGhhc2hjYXQubmV0Pg==$dXNlciA0NGVhZmQyMmZlNzY2NzBmNmIyODc5MDgxYTdmNWY3MQ==
10300	SAP CODVN H (PWDSALTEDHASH) iSSHA-1	{x-issha, 1024}C0624EvGSdAMCtuWnBBYBGA0chvqAflKY74oEpw/rpY=
10400	PDF 1.1 - 1.3 (Acrobat 2 - 4)	pdf1*2*40*-1*0*16*5172643728045282651147325574437 4*32*9b09be05c226214fa1178342673d86f273602b95104f2384b6c9
10410	PDF 1.1 - 1.3 (Acrobat 2 - 4), collider #1 [25]	pdf1*2*40*-1*0*16*0122108674144084166837105610322 2*32*27c3fecef6d46a78eb61b8b4dbc690f5f8a2912bbb9afc842c12d7
10420	PDF 1.1 - 1.3 (Acrobat 2 - 4), collider #2	pdf1*2*40*-1*0*16*0122108674144084166837105610322 2*32*27c3fecef6d46a78eb61b8b4dbc690f5f8a2912bbb9afc842c12d7
10500	PDF 1.4 - 1.6 (Acrobat 5 - 8)	pdf2*3*128*-1028*1*16*da42ee15d4b3e08fe5b9ecea0e02ad0f*32*c9b59d72c7c670c42eeb4fca1d2ca150000000000000000000(
10600	PDF 1.7 Level 3 (Acrobat 9)	pdf5*5*256*-1028*1*16*2058381440218422686648533275 4315*127*f95d927a94829db8e2fbfbc9726ebe0a391b22a084ccc288
10700	PDF 1.7 Level 8 (Acrobat 10 - 11)	pdf5*6*256*-1028*1*16*2124079075354457567962263364 1532*127*2d1ecff66ea354d3d34325a6503da57e03c199c21b13dd8
10800	SHA2-384	07371af1ca1fca7c6941d2399f3610f1e392c56c6d73fddffe38f18c430a2817028dae1ef09ac683b62148a2c8757f42
10810	sha384($pass.$salt)	ca1c843a7a336234baf9db2e10bc38824ce523402fbd7741286b1602bdf6cb869a45289bb9fb706bd404b9f3842ff729:2746460797049
10820	sha384($salt.$pass)	63f63d7f82d4a4cb6b9ff37a6bc7c5ec39faaf9c9078551f5cbf7960e76ded87b643d37ac53c45bc544325e7ff83a1f2:93362
10830	sha384(utf16le($pass).$salt)	3516a589d2ed4071bf5e36f22e11212b3ad9050b9094b23067103d51e99dcb25c4dc397dba8034fed11a8184acfbb699:577730514588
10840	sha384($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}AAAgADkxMjM2NTIzMzgzMjQ3MjI4MDAwNTk5OTAyOTk4NDI2MjkyMzAzNjg0NjQwOTMxNjI3OTMzNjg0MDI0OTY5N
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
11400	SIP digest authentication (MD5)	sip*192.168.100.100*192.168.100.121*username*asterisk*REGISTER*sip*192.168.100.121**2b01df0b****MD5*ad0520061ca

Hash-Mode	Hash-Name	Example
11500	CRC32 [5]	c762de4a:00000000
11600	7-Zip	$7z$0$19$0$salt$8$f6196259a7326e3f0000000000000000$185065650$112$98$f3bc2a88062c419a25acd40c0c2d75421cf23263f6
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	5d5bdba48c8f89ee6c0a0e11023540424283e84902de08013aeeb626e819950bb32842903593a1d2e8f71897ff7fe72e17ac9ba8ce1d1c
11850	HMAC-Streebog-512 (key = $pass), big-endian	be4555415af4a05078dcf260bb3c0a35948135df3dbf93f7c8b80574ceb0d71ea4312127f839b7707bf39ccc932d9e7cb79967118345588
11860	HMAC-Streebog-512 (key = $salt), big-endian	bebf6831b3f9f958acb345a88cb98f30cb0374cff13e6012818487c8dc8d5857f23bca2caed280195ad558b8ce393503e632e901e8d1eb2
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+)	78281A9C0CF626BD05EFC4F41B515B61D6C4D95A250CD4A605CA0EF97168D670EBCB5673B6F5A2FB9CC4E0C0101E659C0C4E3B9
12400	BSDi Crypt, Extended DES	_9G..8147mpcfKT8g0U.
12500	RAR3-hp	$RAR3$*0*45109af8ab5f297a*adbf6c5385d7a40373e8f77d7b89d317
12600	ColdFusion 10+	aee9edab5653f509c4c63e559a5e967b4c112273bc6bd84525e630a3f9028dcb:513625686678377733457478378281041070688323
12700	Blockchain, My Wallet	$blockchain$288$542005582723173071030134867080233 5e45a6f5f631113cb1148a6e96ce645ac69881625a115fd35256636d0908
12800	MS-AzureSync PBKDF2-HMAC-SHA256	v1;PPH1_MD4,84840328224366186645,100,005a491d8bf3715085d69f934eef7fb19a15ffc233b5382d9827910bc32f3506
12900	Android FDE (Samsung DEK)	384218541184126257684081604771123842185411841262576840816047711 29b6258eb22fc8b9d08e04e6450f72b98725d7d4fcad
13000	RAR5	$rar5$16$74575567518807622265582327032280$15$f8b4064de34ac02ecabfe9abdf93ed6a$8$9843834ed0f7c754
13100	Kerberos 5, etype 23, TGS-REP	$krb5tgs$23$*user$realm$test/spn*$63386d22d359fe42230300d56852c9eb$891ad31d09ab89c6b3b8c5e5de6c06a7f49fd559d7a9a
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*82afc053e8e1a6cfa39adae4f5fe5e59f545a54d6956593d1709b39ca
13400	KeePass 2 AES / without keyfile	$keepass$*2*6000*222*a279e37c38b0124559a83fa452a0269d56dc4119a5866d18e76f1f3fd536d64d*7ec7a06bc975ea2ae7c8dcb9
13400	KeePass 1 Twofish / with keyfile	$keepass$*1*6000*1*31c087828b0bb76362c10cae773aacdf*6d6c78b4f82ecbcd3b96670cf490914c25ea8c31bc3aeb3fc56e65fac16
13400	Keepass 2 AES / with keyfile	$keepass$*2*6000*222*15b6b685bae998f2f608c909dc554e514f2843fbac3c7c16ea3600cc0de30212*c417098b445cfc7a87d56ba17
13500	PeopleSoft PS_TOKEN	b5e335754127b25ba6f99a94c738e24cd634c35a:aa07d396f5038a6cbeded88d78d1d6c907e4079b3dc2e12fddee409a51cc05ae73e8c
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_
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/
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/hash
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/
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_ha
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/hash
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
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_sha
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/hash
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_
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/has
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_hashe
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_
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/
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_sha
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/hash
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_
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/has
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_hashe
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_
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/
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_w
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/ha
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/hashca
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/h
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_has
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/hashca
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/v
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_rip
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/ha
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_has
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_sh

Hash-Mode	Hash-Name	Example
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/hashc
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/
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/hash
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/hashca
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/v
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_
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/h
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_ha
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/exa
13800	Windows Phone 8+ PIN/password	95fc4680bcd2a5f25de3c580cbebadbbf256c1f0ff2e9329c58e36f8b914c11f:4471347156480581513210137061422464818088437334
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$00000000000000000000000000000000$d1d20e91a8f2e18881dc79369d8
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*45422
14800	iTunes backup >= 10.0 [11]	$itunes_backup$*10*8b715f516ff8e64442c478c2d9abb046fc6979ab079007d3dbcef3ddd84217f4c3db01362d88fa68*10000*23533
14900	Skip32 (PT = $salt, key = $pass) [12]	c9350366:44630464
15000	FileZilla Server >= 0.9.55	632c4952b8d9adb2c0076c13b57f0c934c80bdc14fc1b4c341c2e0a8fd97c4528729c7bd7ed1268016fc44c3c222445ebb880eca9a6638
15100	Juniper/NetBSD sha1crypt	$sha1$15100$jiJDkz0E$E8C7RQAD3NetbSDz7puNAY.5Y2jr
15200	Blockchain, My Wallet, V2	$blockchain$v2$5000$288$06063152445005516247820607861028813ccf6dcc5793dc0c7a82dcd604c5c3e8d91bea9531e628c2027c
15300	DPAPI masterkey file v1 + local context	$DPAPImk$1*1*S-15-21-466364039-425773974-453930460-1925*des3*sha1*24000*b038489dee5ad04e3e3cab4d957258b5*208
15310	DPAPI masterkey file v1 (context 3) *	$DPAPImk$1*3*S-15-21-407415836-404165111-436049749-1915*des3*sha1*14825*3e86e7d8437c4d5582ff668a83632cb2*208*
15400	ChaCha20 [20]	$chacha20$*0400000000000003*16*0200000000000001*5152535455565758*6b05fe554b0bc3b3
15500	JKS Java Key Store Private Keys (SHA1)	$jksprivk$*5A3AA3C3B7DD7571727E1725FB09953EF3BEDBD9*08674037205625140248570476780640851413322*81*C3*50DDD9
15600	Ethereum Wallet, PBKDF2-HMAC-SHA256	$ethereum$p*262144*32383831373131303534383437373837363234373534373838313730343437 35*06eae7ee0a4b9e8abc02c9
15700	Ethereum Wallet, SCRYPT	$ethereum$s*262144*1*8*34363837373338383130353437363036373535303234303732353430343631 30*8b58d9d15f579faba1c
15900	DPAPI masterkey file v2 + Active Directory domain context	$DPAPImk$2*2*S-15-21-423929668-478423897-489523715-1834*aes256*sha512*8000*740866e4105c77f800f02d367dd96699*
15910	DPAPI masterkey file v2 (context 3)	$DPAPImk$2*3*S-15-21-464497560-472124119-475628788-1088*aes256*sha512*13450*685165fdb6d0627a15100215ec331ed8
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*e94a8e49deac2d62206bf9bfb7d2aaea7eb06c1a378cfc1ac056cc599a569793c0ecc40e6a0c242dee2812f06b644d70f43
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$0*0*6b761adc6faeb0cc0bf197d3d4a4a7d3f1682e4b169cae8fa6b459b3214ed41e*426d313c5809d4a80a4b9bc7d4823070*
17010	GPG (AES-128/AES-256 (SHA-1($pass))) *	gpg*1*348*1024*8833fa3812b5500aa9eb7e46febfa31a0584b7e4a5b13c198f5c9b0814243895cce45ac3714e79692fb5a130a1c94
17020	GPG (AES-128/AES-256 (SHA-512($pass))) *	gpg*1*668*2048*57e1f19c69a86038e23d7e5af5d810f4f86d32e9aaaf04b54281cda2194dcca99ee1f23f4aa3a011d5d2dc9e47689
17030	GPG (AES-128/AES-256 (SHA-256($pass))) *	gpg*1*668*2048*e75985b4e7d0bce9e38925a5cf69494ae9a2ccfe2973f077d9423642fffec8bee0e327178a4a3431875ca1f377b9f8
17200	PKZIP (Compressed)	$pkzip2$1*1*2*0*e3*1c5*eda7a8de*0*28*8*e3*eda7*5096*a9fc1f4e951c8fb3031a6f903e5f4e3211c8fdc4671547bf77f6f682afbfc
17210	PKZIP (Uncompressed)	$pkzip2$1*1*2*0*1d1*1c5*eda7a8de*0*28*0*1d1*eda7*5096*1dea673da43d9fc7e2be1a1f4f664269fceb6cb88723a97408ae1fe0
17220	PKZIP (Compressed Multi-File)	$pkzip2$3*1*1*0*8*24*a425*8827*d1730095cd829e245df04ebba6c52c0573d49d3bbeab6cb385b7fa8a28dcccd3098bfdd7*1*0*8*
17225	PKZIP (Mixed Multi-File)	$pkzip2$3*1*1*0*0*24*3e2c*3ef8*0619e9d17ff3f994065b99b1fa8aef41c056edf9fa4540919c109742dcb32f797fc90ce0*1*0*8*24
17230	PKZIP (Mixed Multi-File Checksum-Only)	$pkzip2$8*1*1*0*8*24*a425*8827*3bd479d541019c2f32395046b8fbca7e1dca218b9b5414975be49942c3536298e9cc939e*1*0*8
17300	SHA3-224	412ef78534ba6ab0e9b1607d3e9767a25c1ea9d5e83176b4c2817a6c
17400	SHA3-256	d60fcf6585da4e17224f58858970f0ed5ab042c3916b76b0b828e62eaf636cbd
17500	SHA3-384	983ba28532cc6320d04f20fa485bcedb38bddb666eca5f1e5aa279ff1c6244fe5f83cf4bbf05b95ff378dd2353617221
17600	SHA3-512	7c2dc1d743735d4e069f3bda85b1b7e9172033dfdd8cd599ca094ef8570f3930c3f2c0b7afc8d6152ce4eaad6057a2ff22e71934b3a3dd0
17700	Keccak-224	e1dfad9bafeae6ef15f5bbb16cf4c26f09f5f1e7870581962fc84636
17800	Keccak-256	203f88777f18bb4ee1226627b547808f38d90d3e106262b5de9ca943b57137b6
17900	Keccak-384	5804b7ada5806ba79540100e9a7ef493654ff2a21d94d4f2ce4bf69abda5d94bf03701fe9525a15dfdc625bfbd769701
18000	Keccak-512	2fbf5c9080f0a704de2e915ba8fdae6ab00bbc026b2c1c8fa07da1239381c6b7f4dfd399bf9652500da723694a4c719587dd0219cb30eab
18100	TOTP (HMAC-SHA1)	597056:3600
18200	Kerberos 5, etype 23, AS-REP	$krb5asrep$23$user@domain.com:3e156ada591263b8aab0965f5aebd837$007497cb51b6c8116d6407a782ea0e1c5402b17db7afa6
18300	Apple File System (APFS)	$fvde$2$16$58778104701476542047675521040224$20000$39602e86b7cea4a34f4ff69ff6ed706d68954ee474de1d2a9f6a6f2d24d1
18400	Open Document Format (ODF) 1.2 (SHA-256, AES)	odf*1*1*100000*32*751854d8b90731ce0579f96bea6f0d4ac2fb2f546b31f1b6af9a5f66952a0bf4*16*2185a966155baa9e2fb5972
18500	sha1(md5(md5($pass)))	888a2ffcb3854fba0321110c5d0d434ad1aa2880
18600	Open Document Format (ODF) 1.1 (SHA-1, Blowfish)	odf*0*0*1024*16*bff753835f4ea15644b8a2f8e4b5be3d147b9576*8*ee371da34333b69d*16*a902eff54a4d782a26a899a31f97b
18700	Java Object hashCode()	29937c08
18800	Blockchain, My Wallet, Second Password (SHA256)	YnM6WYERjJfhxwepT7zV6odWoEUz1X4esYQb4bQ3KZ7bbZAyOTc1MDM3OTc1NjMyODA0ECcAAD3vFoc=
18900	Android Backup	ab5*0*10000*b8900e4885ff9cad8f01ee1957a43bd633fea12491440514ae27aa83f2f5c006ec7e7fa0bce040add619919b4eb60608
19000	QNX /etc/shadow (MD5)	@m@75f6f129f9c9e77b6b1b78f791ed764a@8741857532330050
19100	QNX /etc/shadow (SHA256)	@s@0b365cab7e17ee1e7e1a90078501cc1aa85888d6da34e2f5b04f5c614b882a93@5498317092471604
19200	QNX /etc/shadow (SHA512)	@S@715df9e94c097805dd1e13c6a40f331d02ce589765a2100ec7435e76b978d5efc364ce10870780622cee003c9951bd92ec1020c92
19300	sha1($salt1.$pass.$salt2)	630d2e918ab98e5fad9c61c0e4697654c4c16d73:184638128768986034208354201398700317628 67:44495164251936059797606 4

Hash-Mode	Hash-Name	Example
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$90b4ce5b266821adc26c64f71958a475cf9348fce65096190be04f8430c4e0d55
19700	Kerberos 5, etype 18, TGS-REP (AES256-CTS-HMAC-SHA1-96)	$krb5tgs$18$user$realm$8efd91bb01cc69dd07e46009$7352410d6aafd72c64972a66058b02aa1c28ac580ba41137d5a170467f06f17
19800	Kerberos 5, etype 17, Pre-Auth	$krb5pa$17$hashcat$HASHCATDOMAIN.COM$a17776abe5383236c58582f515843e029ecbff43706d177651b7b6cdb2713b17597ddb3
19900	Kerberos 5, etype 18, Pre-Auth	$krb5pa$18$hashcat$HASHCATDOMAIN.COM$96c289009b05181bfd32062962740b1b1ce5f74eb12e0266cde74e81094661addab08c0
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.
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_
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
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_ae
20200	Python passlib pbkdf2-sha512	$pbkdf2-sha512$25000$LyWE0HrP2RsjZCxlDGFMKQ$1vC5Ohk2mCS9b6akqsEfgeb4I74SF8XjH.SljXf3dMLHdlY1GK9ojcCKts6/asR4aP
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).$salt)	bfede293ecf6539211a7305ea218b9f3f608953130405cda9eaba6fb6250f824:7218532375810603
20712	RSA Security Analytics / NetWitness (sha256) *	6F48F44C46F5ADC534597687B086278F0AAF7D262ADDB3978562A7D55BBDF467:MDAwMzY1NzYwODI4MQ==
20720	sha256($salt.sha256($pass))	bae9edada8358fcebcd811f7d362f46277fb9d488379869fba65d79701d48b8b:869dc2ed80187919
20800	sha256(md5($pass))	74ee1fae245edd6f27bf36efc3604942479fceefbadab5dc5c0b538c196eb0f1
20900	md5(sha1($pass).md5($pass).sha1($pass))	100b3a4fc1dc8d60d9bf40688d8b740a
21000	BitShares v0.x - sha512(sha512_bin(pass))	caec04bdf7c17f763a9ec7439f7c9abda112f1bfc9b1bb684fef9b6142636979b9896cfc236896d821a69a961a143dd19c96d5977725820
21100	sha1(md5($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))	5934ea4d670c13a71155faba42056b2525f71bdc9215d31108990c11bf3d98e3:926977135627009931143276535452263518529106
21500	SolarWinds Orion	$solarwinds$0$admin$fj4EBQewCQUZ7IYHl0qL8uj9kQSBb3m7N4u0crkKK0Uj9rbbAnSrBZMXO7oWx9KqL3sCzwncvPZ9hyDV9QCFTg=
21501	SolarWinds Orion v2	$solarwinds$1$3pHkk55NTYpAeV3EJjcAww==$N4Ii2PxXX/bTZZwslQLIKrp0wvfZ5aN9hpyiR896ozJMJTPO1Q7BK1Eht8Vhl4kXq/42Vn2
21600	Web2py pbkdf2-sha512	pbkdf2(1000,20,sha512)744943c5f8cdef76e3327c908d8d96d4abdb3d8caba14c
21700	Electrum Wallet (Salt-Type 4)	$electrum$4*03eae309d8bda5dcbddaae8145469193152763894b7260a6c4ba181b3ac2ed5653*8c594086a64dc87a9c1f8a69f646e3
21800	Electrum Wallet (Salt-Type 5)	$electrum$5*02170fee7c35f1ef3b229edc90fbd0793b688a0d6f41137a97aab2343d315cce16*94cf72d8f5d774932b414a3344984859
22000	WPA-PBKDF2-PMKID+EAPOL [1]	WPA*01*4d4fe7aac3a2cecab195321ceb99a7d0*fc690c158264*f4747f87f9f4*686173686361742d6573736964***
22000	WPA-PBKDF2-PMKID+EAPOL [1]	WPA*02*024022795224bffca545276c3762686f*6466b38ec3fc*225edc49b7aa*54502d4c494e4b5f484153484341545f54455354*10
22001	WPA-PMK-PMKID+EAPOL [18]	WPA*01*5ce7ebe97a1bbfeb2822ae627b726d5b*27462da350ac*accd10fb464e*686173686361742d6573736964***
22100	BitLocker	$bitlocker$1$16$6f972989ddc209f1eccf07313a7266a2$1048576$12$3a33a8eaff5e6f81d907b591$60$316b0f6d4cb445fb056f0e3e0
22200	Citrix NetScaler (SHA512)	2f9282ade42ce148175dc3b4d8b5916dae5211eee49886c3f7cc768f6b9f2eb982a5ac2f2672a0223999bfd15349093278adf12f6276e8b
22300	sha256($salt.$pass.$salt)	755a8ce4e0cf0baee41d714aa35c9fca803106608f718f973eab006578285007:11265
22400	AES Crypt (SHA256)	$aescrypt$1*efc648908ca7ec727f37f3316dfd885c*eff5c87a35545406a57b56de57bd0554*3a66401271aec08cbd10cf207033221409
22500	MultiBit Classic .key (MD5)	$multibit$1*e5912fe5c84af3d5*5f0391c219e8ef62c06505b1f6232858f5bcaa739c2b471d45dd0bd8345334de
22600	Telegram Desktop < v2.1.14 (PBKDF2-HMAC-SHA1)	$telegram$1*4000*913a7e42143b4eed0fb532dacfa04e3a0eae036ae66dd02de76323046c575531*cde5f7a3bda3812b4a3cd4df1269
22700	MultiBit HD (scrypt)	$multibit$2*2e311aa2cc5ec99f7073cacc8a2d1938*e3ad782e7f92d66a3cdfaec43a46be29*5d1cabd4f4a50ba125f88c47027fff9b
22911	RSA/DSA/EC/OpenSSH Private Keys (0)	$sshng$0$8$7532262427635482$1224$e1b1690703b83fd0ab6677c89a00dfce57fc2f345ebd2b2993bf0d8bb267449d08839213dc23
22921	RSA/DSA/EC/OpenSSH Private Keys (6)	$sshng$6$8$76200489975574872224$13517a1204dc69528c474ef5cbb02d548698771f2a607c04ea54eb92f13dedba0f2185d2884b
22931	RSA/DSA/EC/OpenSSH Private Keys ($1, 3)	$sshng$1$16$14987802644369864387956120434709$1232$ffa56007ed83e49fdc439c776a9dec9656521385073bf71931a2c6503c9
22941	RSA/DSA/EC/OpenSSH Private Keys (4)	$sshng$4$16$01684556100059289727957814500256$1232$b04d45fdfdf02a9ca91cbc9c53f9e59956822c72c718929aca9251cffd9a
22951	RSA/DSA/EC/OpenSSH Private Keys (5)	$sshng$5$16$52935050547964524511665675049973$1232$febee392e88cea0086b3cdefd3efec8aedb6011ca4ca9884ef9776d0955
23001	SecureZIP AES-128	$zip3$*0*1*128*0*b4630625c92b6e7848f6fd86*df2f62611b3d02d2c7e05a48dad57c7d93b0bac1362261ab533807afb69db856676a
23002	SecureZIP AES-192	$zip3$*0*1*192*0*53ff2de8c280778e1e0ab997*603eb37dbab9ea109e2c405e37d8cae1ec89e1e0d0b9ce5bf55d1b571c343b6a3df3
23003	SecureZIP AES-256	$zip3$*0*1*256*0*39bff47df6152a0214d7a967*65ff418ffb3b1198cccdef0327c03750f328d6dd5287e00e4c467f33b92a6ef40a74bb1
23100	Apple Keychain	$keychain$*74cd1efd49e54a8fdc8750288801e09fa26a33b1*66001ad4e0498dc7*5a084b7314971b728cb551ac40b2e50b7b5bd8b84
23200	XMPP SCRAM PBKDF2-SHA1	$xmpp-scram$0$4096$32$bbc1467455fd9886f6c5d15200601735e159e807d53a1c80853b570321aaeceb$8301c6e0245e4a986ed64
23300	Apple iWork	$iwork$2$1$1$4000$b31b7320d1e7a5ee$01f54d6f9e5090eb16fef2b05f8242bc$69561c985268326b7353fb22c3685a378341127557
23400	Bitwarden	$bitwarden$2*100000*2*bm9yZXBseUBoYXNoY2F0Lm5ldA==*+v5rHxYydSRUDlan+4pSoiYQwAgEhdmivlb+exQX+fg=
23500	AxCrypt 2 AES-128	$axcrypt$*2*10000*6d44c6d19076bce9920c5fb76b246c161926ce65abb93ec2003919d78898aadd5bc6e5754201ff25d681ad89fa28
23600	AxCrypt 2 AES-256	$axcrypt$*2*10000*79bea2d51670484a065241c52613b41a33bf56d2dda9993770e8b0188e3bbf881bea6552a2986c70dc97240b0f9
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*3
23900	BestCrypt v3 Volume Encryption	$bcve$3$08$234b8182cee7098b$35c12ef76a1e88175c4c222da3558310a0075bc7a06ecf46746d149c02a81fb8a97637d1103d2e13d
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/D4je
24300	sha1($salt.sha1($pass.$salt))	94520b02c04e79e08a75a84c2a6e3ed4e3874fe8:ThisIsATestSalt
24410	PKCS#8 Private Keys (PBKDF2-HMAC-SHA1 + 3DES/AES)	PEM1$4$f5662bd8383b4b40$2048$2993b585d3fb2e7b235ed13d90f637e2$1232$73984f2cba4d5e1d327a3f5a538a946099976ab
24420	PKCS#8 Private Keys (PBKDF2-HMAC-SHA256 + 3DES/AES)	PEM2$4$ed02960b8a10b1f1$2048$a634c482a95f23bd8fada558e1bac2cf$1232$50b21db4aededb96417a9b88131e6bc3727739b4
24500	Telegram Desktop >= v2.1.14 (PBKDF2-HMAC-SHA512)	$telegram$2*100000*77461dcb457ce9539f8e4235d33bd12455b4a38446e63b52ecdf2e7b65af4476*f705dda3247df6d690dfc7f44d8
24600	SQLCipher	SQLCIPHER*1*64000*255482491956774041562618162614 56*85b5e156e1cf1e0be5e9f4217186817b*33435c230bbc7989bbd0276
24700	Stuffit5	66a75cb059
24800	Umbraco HMAC-SHA1	8uigXlGMNI7BzwLCJlDbcKR2FP4=
24900	Dahua Authentication MD5	GRuHbyVp

Hash-Mode	Hash-Name	Example
25000	SNMPv3 HMAC-MD5-96/HMAC-SHA1-96 [8]	$SNMPv3$0$45889431$30818f020103301102040924
25100	SNMPv3 HMAC-MD5-96 [8]	$SNMPv3$1$45889431$30818f020103301102040924
25200	SNMPv3 HMAC-SHA1-96 [8]	$SNMPv3$2$45889431$30818f020103301102043718
25300	MS Office 2016 - SheetProtection	$office$2016$0$100000$876MLoKTq42+/DLp415iZ
25400	PDF 1.4 - 1.6 (Acrobat 5 - 8) - user and owner pass	pdf2*3*128*-3904*1*16*631ed33746e50fba5
25500	Stargazer Stellar Wallet XLM	$stellar$YAlIJziURRcBEWUwRSRDWA==$EutMmmc
25600	bcrypt(md5($pass)) / bcryptmd5	$2a$05$/VT2Xs2dMd8GJKfrXhjYP.DkTjOVrY12yDN
25700	MurmurHash	b69e7687:05094309
25800	bcrypt(sha1($pass)) / bcryptsha1	$2a$05$Uo385Fa0g86uUXHwZxB90.qMMdRFExaXe
25900	KNX IP Secure - Device Authentication Code	$knx-ip-secure-device-authentication-code$*3
26000	Mozilla key3.db	$mozilla$*3DES*b735d19e6cadb5136376a98c2
26100	Mozilla key4.db	$mozilla$*AES*5add91733b9b13310ea79a4b38
26200	OpenEdge Progress Encode	lebVZteiEsdpkncc
26300	FortiGate256 (FortiOS256)	SH2MCKr6kt9rLQKbn/YTlncOnR6OtcJ1YL/h8hw2
26401	AES-128-ECB NOKDF (PT = $salt, key = $pass)	e7a32f3210455cc044f26117c4612aab:860466277
26402	AES-192-ECB NOKDF (PT = $salt, key = $pass)	2995e91b798ef51232a91579edb1d176:498693640
26403	AES-256-ECB NOKDF (PT = $salt, key = $pass)	264a4248c9522cb74d33fe26cb596895:612702100
26500	iPhone passcode (UID key + System Keybag)	$uido$77889b1bca161ce876d976a102c7bf82$309
26600	MetaMask Wallet [8]	$metamask$h0c2mQBGgnhlJ4EWMhdAAZhHlFeZNV
26610	MetaMask Wallet (short hash, plaintext check) [8] *	$metamask-short$jfGI3TXguhb8GPnKSXFrMzRk2
26700	SNMPv3 HMAC-SHA224-128 [8]	$SNMPv3$3$45889431$30819702010330110204
26800	SNMPv3 HMAC-SHA256-192 [8] [8]	$SNMPv3$4$45889431$30819f020103301102047
26900	SNMPv3 HMAC-SHA384-256 [8]	$SNMPv3$5$45889431$3081a702010330110204
27000	NetNTLMv1 / NetNTLMv1+ESS (NT) [22]	::5V4T:ada06359242920a50000000000000000000
27100	NetNTLMv2 (NT) [22]	0UL5G37JOI0SX::6VB1IS0KA74:ebe1afa18b7fbfa6
27200	Ruby on Rails Restful Auth (one round, no sitekey)	3999d08db95797891ec77f07223ca81bf43e1be2
27300	SNMPv3 HMAC-SHA512-384 [8]	$SNMPv3$6$45889431$3081b702010330110204
27400	VMware VMX (PBKDF2-HMAC-SHA1 + AES-256-CBC)	vmx0$10000$264bbab02fdf7c1a793651120
27500	VirtualBox (PBKDF2-HMAC-SHA256 & AES-128-XTS)	$vbox$0$260000$fcc37189521686699a43e49514
27600	VirtualBox (PBKDF2-HMAC-SHA256 & AES-256-XTS)	$vbox$0$160000$54aff69fca91c20b3b15618c6
27700	MultiBit Classic .wallet (scrypt)	$multibit$3*16384*8*1*7523cb5482e81b81*9
27800	MurmurHash3	23e93f65:00000000
27900	CRC32C	5e23d60f:00000000
28000	CRC64Jones	65c1f848fe38cce6:4260950400318054
28100	Windows Hello PIN/Password	$WINHELLO$*SHA512*10000*00761655*3b3d3197
28200	Exodus Desktop Wallet (scrypt)	EXODUS:16384:8:1:IYkXZgFETRmFp4wQXyP8XMe3
28300	Teamspeak 3 (channel hash)	$teamspeak$3$E0aV0IQ29EDyxRfkFoQflUGJ6zo=
28400	bcrypt(sha512($pass)) / bcryptsha512	$2a$12$KhivLhCuLhSyMBOxLxCyLu78x4z2X/EJdZ
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
28506	Bitcoin WIF private key (P2SH(P2WPKH)), uncompressed [31]	3LovFVx5zBRvusVcj7pf3JxV9V46kjKhKu
28600	PostgreSQL SCRAM-SHA-256	SCRAM-SHA-256$4096:IKfxzJ8Nq4PkLJCfgKcPmA
28700	Amazon AWS4-HMAC-SHA256	$AWS-Sig-v4$0$20220221T000000Z$us-east-1$s3
28800	Kerberos 5, etype 17, DB	$krb5db$17$test$TEST.LOCAL$1c41586d6c060
28900	Kerberos 5, etype 18, DB	$krb5db$18$test$TEST.LOCAL$266b5a53a6d663
29000	sha1($salt.sha1(utf16le($username).':'.utf16le($pass)))	339b5eaa53f28516008e9ca710857d3a4785b6fc:8
29100	Flask Session Cookie ($salt.$salt.$pass)	eyJ1c2VybmFtZSI6ImFkbWluIn0.YjdgRQ.1OTlf1PD
29200	Radmin3	$radmin3$7500730050072006e0061006d006500
29311	TrueCrypt RIPEMD160 + XTS 512 bit	$truecrypt$87914967f14737a67fb460f27b8aeb81
29312	TrueCrypt RIPEMD160 + XTS 1024 bit	$truecrypt$d6e1644acd373e6fdb8ccaaeab0c400
29313	TrueCrypt RIPEMD160 + XTS 1536 bit	$truecrypt$3916e924d246e5ceb17b140211fff57
29321	TrueCrypt SHA512 + XTS 512 bit	$truecrypt$5ebff6b4050aaa3374f9946166a9c41
29322	TrueCrypt SHA512 + XTS 1024 bit	$truecrypt$9f207bec0eded18a1b2e324d4f05d2f
29323	TrueCrypt SHA512 + XTS 1536 bit	$truecrypt$721a7f40d2b88de8e11f1a203b04ffa
29331	TrueCrypt Whirlpool + XTS 512 bit	$truecrypt$cf53d4153414b63285e701e52c2d99e
29332	TrueCrypt Whirlpool + XTS 1024 bit	$truecrypt$e9e503972b72dee996b0bfced2df003
29333	TrueCrypt Whirlpool + XTS 1536 bit	$truecrypt$de7d6725cc4c910a7e96307df69d413
29341	TrueCrypt RIPEMD160 + XTS 512 bit + boot-mode	$truecrypt$2b5da9924119fde5270f712ba3c3e4
29342	TrueCrypt RIPEMD160 + XTS 1024 bit + boot-mode	$truecrypt$debcc3e74a7b2acb4c7eaa4ac86fd643
29343	TrueCrypt RIPEMD160 + XTS 1536 bit + boot-mode	$truecrypt$5e6628907291b0b74a4f43a23fb0693
29411	VeraCrypt RIPEMD160 + XTS 512 bit	$veracrypt$531aca1fa6db5118506320114cb11a9
29412	VeraCrypt RIPEMD160 + XTS 1024 bit	$veracrypt$531aca1fa6db5118506320114cb11a9
29413	VeraCrypt RIPEMD160 + XTS 1536 bit	$veracrypt$531aca1fa6db5118506320114cb11a9
29421	VeraCrypt SHA512 + XTS 512 bit	$veracrypt$2be25b279d8d2694e0ad1e5049902e7
29422	VeraCrypt SHA512 + XTS 1024 bit	$veracrypt$37e6db10454a5d74c1e75eca0bc8a70
29423	VeraCrypt SHA512 + XTS 1536 bit	$veracrypt$d44f26d1742260f88023d825729cc5a
29431	VeraCrypt Whirlpool + XTS 512 bit	$veracrypt$48f79476aa0aa8327a8a9056e61450f
29432	VeraCrypt Whirlpool + XTS 1024 bit	$veracrypt$1b721942019ebe8cedddbed7744a0702
29433	VeraCrypt Whirlpool + XTS 1536 bit	$veracrypt$5eb128daef63eff7e6db6aa10a8858f

Hash-Mode	Hash-Name	Example
29441	VeraCrypt RIPEMD160 + XTS 512 bit + boot-mode	$veracrypt$528c2997054ce1d22cbc5233463df8119a0318ab94aa715e6e686c898f36690b443221a18f578fb893e0db1e4b875cc711ea
29442	VeraCrypt RIPEMD160 + XTS 1024 bit + boot-mode	$veracrypt$a3c0fa44ec59bf7a3eed64bf70b8a60623664503eeb972eb51fa25ee921d813f8e45d3e1ab1c0088a62482bb78c6e07308d2
29443	VeraCrypt RIPEMD160 + XTS 1536 bit + boot-mode	$veracrypt$1a8c0135fa94567aa866740cb27c5b9763c95be3ac0b7b5c744a36e48c08ae38d6d06ae5db926c64d05295cef134fb4d8eaa
29451	VeraCrypt SHA256 + XTS 512 bit	$veracrypt$b8a19a544414e540172595aef79e6616f504799b40a407edfb69d40534e93f0bdb3187876f0b7a21739b3a9bb02bd4752ea
29452	VeraCrypt SHA256 + XTS 1024 bit	$veracrypt$1c3197f32dc5b72b4d60474a7a43afefb0d2e856a8fc4957c3fb1188b62cb0ca002f585c125bb33c5a5e85a665afae9fce15cb
29453	VeraCrypt SHA256 + XTS 1536 bit	$veracrypt$f421bdc1087b8319c12d84a680ceab0102e8e41c9ccffe76dbe0215dcfcb7b543f3e1bbedd099e88646823dae5bad8468b724
29461	VeraCrypt SHA256 + XTS 512 bit + boot-mode	$veracrypt$c8a5f07efc320ecd797ac2c5b911b0f7ee688f859890dd3fa39b4808eb3113219e2bf1517f46a20feba286a3f3e997c8036113
29462	VeraCrypt SHA256 + XTS 1024 bit + boot-mode	$veracrypt$6bb6eef1af55eb2b2849e1fc9c90c08f705010efa6443581111216b3e145201374bb8e626e4d94a4ce7ecabb11aa57610063
29463	VeraCrypt SHA256 + XTS 1536 bit + boot-mode	$veracrypt$f95b222552195378a228d932f7df38ca459b6d812899be43944ba2e9bf47967ba35da17bf69cc3f424521983989a66fd3c78
29471	VeraCrypt Streebog-512 + XTS 512 bit	$veracrypt$444ec71554f0a2989b34bd8a5750ae7b5ed8b1ccdead29120fc030bd5186f312a7fa18ab4f4389d7798e43c073afd1e71dda7
29472	VeraCrypt Streebog-512 + XTS 1024 bit	$veracrypt$0f5da0b17c60edcd392058752ec29c389b140b54cd1f94de43dccea703b1fd37936e75a500b7f9d4e94e7f214c4696c051be9
29473	VeraCrypt Streebog-512 + XTS 1536 bit	$veracrypt$18d2e8314961850f8fc26d2bc6f896db9c4eee301b5fa7295615166552b2422042c6cf6212187ec9c0234908e7934009c23c
29481	VeraCrypt Streebog-512 + XTS 512 bit + boot-mode	$veracrypt$2bfe4a72e13388a9ce074bbe0711a48d62f123df85b09e0350771edc4a0e4f397038a49b900275c9158145a96b52f95e92f9
29482	VeraCrypt Streebog-512 + XTS 1024 bit + boot-mode	$veracrypt$af7a64c7c81f608527552532cc7049b0d369e2ce20202d7a41ffb94300cbc9c7ce2130247f49ace4c1512fc3d1b4289ca965e8
29483	VeraCrypt Streebog-512 + XTS 1536 bit + boot-mode	$veracrypt$0c9d7444e9e64a833e857163787b2f6349224bdb4bbf788ce25156c8705142266747 25be3eebc3f2a2c2ee8adbf8bb3ec140
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/hashca
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/
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/h
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/ha
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_hashe
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/
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/ha
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/
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_hashe
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/
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_h
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_h
29700	KeePass 1 (AES/Twofish) and KeePass 2 (AES) - keyfile only mode [32]	$keepass$*2*60000*0*02078d460c3c837003f22ee2ba42b3ac2a9ad9e913efb61349b3f91aacd0b004*c901781373cb6806df4b4c7b4
29800	Bisq .wallet (scrypt) *	$bisq$3*32768*8*6*31d838af87f99cb8*5cfb7bf3228d9e865881156e17b1866589ffa6b757011e25d1319083595236d2
29910	ENCsecurity Datavault (PBKDF2/no keychain) *	$encdv-pbkdf2$1$1$121f898edc51ffb2$14e6bf4e9256f9e4$32$19724898538822546447951015990635790978126618888136525 9
29920	ENCsecurity Datavault (PBKDF2/keychain) *	$encdv-pbkdf2$3$1$c232aba45699c80b$473d5dd2e0833ac7$32$44547169263224935811140426163715827822025324939835415
29930	ENCsecurity Datavault (MD5/no keychain) *	$encdv$1$1$3a427b9ee5851118$4f52176bb9a1b3b6
29940	ENCsecurity Datavault (MD5/keychain) *	$encdv$3$1$91b9babb3820c527$1ff4cb6657adad34$d9067c4d059879dfee2edeb3999871973d422ff5fa868c51b025d07f644187889
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:ab67666e1f91cd38c0ab5bee9c8d2132eca7460354477109a739d4e735b14131:47bcfd0d573653943231df07445da774e5d06
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*5473170276914975274149596062599620739968828454193370239477596097873069550438215522340544434285592015
31300	MS SNTP *	$sntp-ms$cfc7023381cf6bb474cdcbeb0a67bdb3$907733697536811342962140955567108526489624716566696971338784438986
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
```

[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
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)	0x0100270256050000000000000000000000000000000000000008db43dd9b1972a636ad0c7d4b8c515cb8ce46578
132	MSSQL (2005)	0x0100181021 52f8f28c8499d8ef263c53f8be369d799f931b2fbe
133	PeopleSoft	uXmFVrdBvv293L9kDR3VnRmx4ZM=
141	Episerver 6.x < .NET 4	$episerver$*0*bEtiVGhPNIZpcUN4a3ExTg==*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	648742485c9b0acd786a233b2330197223118111b481abfa0ab8b3e8ede5f014fc7c523991c007db6882680b09962d16fd9c45568260531bdb34804a5e31c22b4cfeb32c
1731	MSSQL (2012, 2014)	0x02000102030434ea1b17802fd95ea6316bd61d2c94622ca3812793e8fb1672487b5c904a45a31b2ab4a78890d563d2fcf5663e46fe797d71550494be50cf4915d3f4d5
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$752351df64dd2ce9dc9c64a72ad91de6581a15c19176266b44d98919dfa81f
7401	MySQL A (sha256crypt) [19]	$mysql$A$005*F9CC98CE08892924F50A213B6BC571A2C11778C5*625479393559393965414D45316477456B484F41316E64484742577A2E3162785353526B7554
12001	Atlassian (PBKDF2-HMAC-SHA1)	{PKCS5S2}NzIyNzM0NzY3NTIwNjI3MdDDis7wPxSbSzfFqDGf7u/L00kSEnupbz36XCL0m7wa
20711	AuthMe sha256	SHA7218532375810603$bfede293ecf6539211a7305ea218b9f3f608953130405cda9eaba6fb6250f824
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~~	0x326C6D7B4E4F794B79474E36704F3572395839716373526351626545 6E31 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