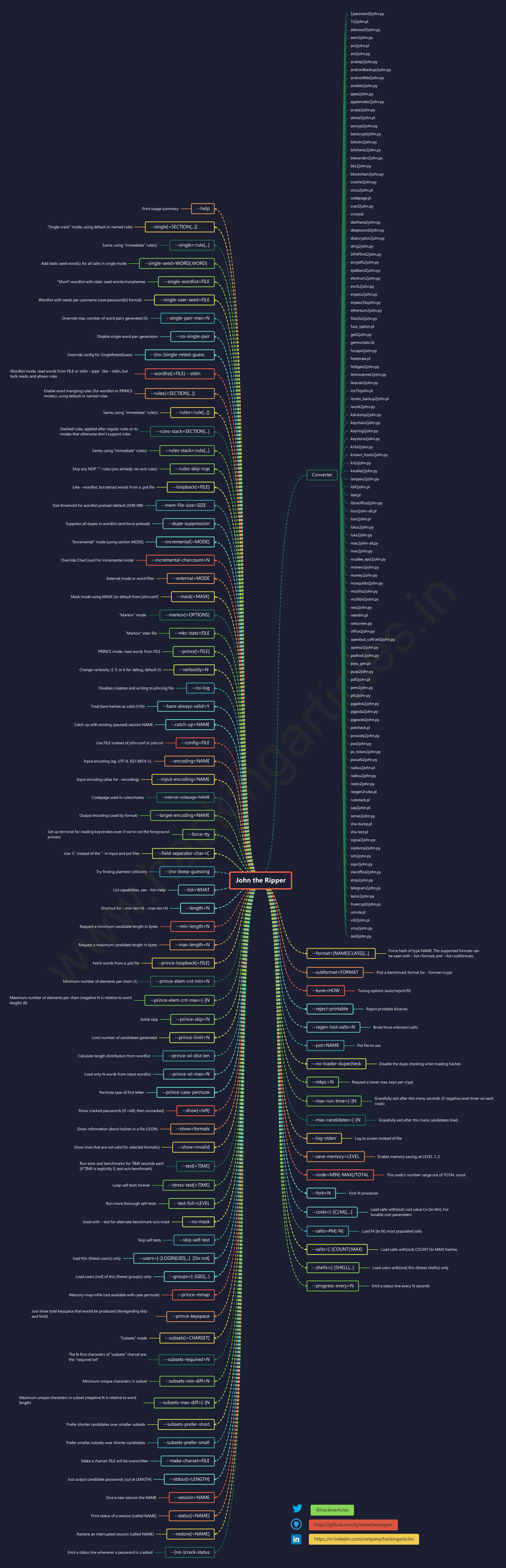
John the Ripper
--help
Print usage summary
--single[=SECTION[,..]]
"Single crack" mode, using default or named rules
--single=:rule[...]
Same, using "immediate" rule(s)
--single-seed=WORD[,WORD]
Add static seed word(s) for all salts in single mode
--single-wordlist=FILE
"Short" wordlist with static seed words/morphemes
--single-user-seed=FILE
Wordlist with seeds per username (user:password(s) format)
--single-pair-max=N
Override max. number of word pairs generated (6)
--no-single-pair
Disable single word pair generation
--[no-]single-retest-guess
Override config for SingleRetestGuess
--wordlist[=FILE] --stdin
Wordlist mode, read words from FILE or stdin --pipe like --stdin, but bulk reads, and allows rules
--rules[=SECTION[,..]]
Enable word mangling rules (for wordlist or PRINCE modes), using default or named rules
--rules=:rule[...]
Same, using "immediate" rule(s)
--rules-stack=SECTION[,..]
Stacked rules, applied after regular rules or to modes that otherwise don't support rules
--rules-stack=:rule[...]
Same, using "immediate" rule(s)
--rules-skip-nop
Skip any NOP ":" rules (you already ran w/o rules)
--loopback[=FILE]
Like --wordlist, but extract words from a .pot file
--mem-file-size=SIZE
Size threshold for wordlist preload (default 2048 MB)
--dupe-suppression
Suppress all dupes in wordlist (and force preload)
--incremental[=MODE]
"Incremental" mode [using section MODE]
--incremental-charcount=N
Override CharCount for incremental mode
--external=MODE
External mode or word filter
--mask[=MASK]
Mask mode using MASK (or default from john.conf)
--markov[=OPTIONS]
"Markov" mode
--mkv-stats=FILE
"Markov" stats file
--prince[=FILE]
PRINCE mode, read words from FILE
--verbosity=N
Change verbosity (1-5 or 6 for debug, default 3)
--no-log
Disables creation and writing to john.log file
--bare-always-valid=Y
Treat bare hashes as valid (Y/N)
--catch-up=NAME
Catch up with existing (paused) session NAME
--config=FILE
Use FILE instead of john.conf or john.ini
--encoding=NAME
Input encoding (eg. UTF-8, ISO-8859-1).
--input-encoding=NAME
Input encoding (alias for --encoding)
--internal-codepage=NAME
Codepage used in rules/masks
--target-encoding=NAME
Output encoding (used by format)
--force-tty
Set up terminal for reading keystrokes even if we're not the foreground process
--field-separator-char=C
Use 'C' instead of the ':' in input and pot files
--[no-]keep-guessing
Try finding plaintext collisions
--list=WHAT
List capabilities, see --list=help
--length=N
Shortcut for --min-len=N --max-len=N
--min-length=N
Request a minimum candidate length in bytes
--max-length=N
Request a maximum candidate length in bytes
--prince-loopback[=FILE]
Fetch words from a .pot file
--prince-elem-cnt-min=N
Minimum number of elements per chain (1)
--prince-elem-cnt-max=[-]N
Maximum number of elements per chain (negative N is relative to word length) (8)
--prince-skip=N
Initial skip
--prince-limit=N
Limit number of candidates generated
--prince-wl-dist-len
Calculate length distribution from wordlist
--prince-wl-max=N
Load only N words from input wordlist
--prince-case-permute
Permute case of first letter
--show[=left]
Show cracked passwords [if =left, then uncracked]
--show=formats
Show information about hashes in a file (JSON)
--show=invalid
Show lines that are not valid for selected format(s)
--test[=TIME]
Run tests and benchmarks for TIME seconds each (if TIME is explicitly 0, test w/o benchmark)
--stress-test[=TIME]
Loop self tests forever
--test-full=LEVEL
Run more thorough self-tests
--no-mask
Used with --test for alternate benchmark w/o mask
--skip-self-test
Skip self tests
--users=[-]LOGIN|UID[,..] [Do not]
load this (these) user(s) only
--groups=[-]GID[,..]
Load users [not] of this (these) group(s) only
--prince-mmap
Memory-map infile (not available with case permute)
--prince-keyspace
Just show total keyspace that would be produced (disregarding skip and limit)
--subsets[=CHARSET]
"Subsets" mode
--subsets-required=N
The N first characters of "subsets" charset are the "required set"
--subsets-min-diff=N
Minimum unique characters in subset
--subsets-max-diff=[-]N
Maximum unique characters in subset (negative N is relative to word length)
--subsets-prefer-short
Prefer shorter candidates over smaller subsets
--subsets-prefer-small
Prefer smaller subsets over shorter candidates
--make-charset=FILE
Make a charset, FILE will be overwritten
--stdout[=LENGTH]
Just output candidate passwords [cut at LENGTH]
--session=NAME
Give a new session the NAME
--status[=NAME]
Print status of a session [called NAME]
--restore[=NAME]
Restore an interrupted session [called NAME]
--[no-]crack-status
Emit a status line whenever a password is cracked
Converter
1password2john.py
7z2john.pl
adxcsouf2john.py
aem2john.py
aix2john.pl
aix2john.py
andotp2john.py
androidbackup2john.py
androidfde2john.py
ansible2john.py
apex2john.py
applenotes2john.py
aruba2john.py
atmail2john.pl
axcrypt2john.py
bestcrypt2john.py
bitcoin2john.py
bitshares2john.py
bitwarden2john.py
bks2john.py
blockchain2john.py
ccache2john.py
cisco2john.pl
codepage.pl
cracf2john.py
cronjob
dashlane2john.py
deepsound2john.py
diskcryptor2john.py
dmg2john.py
DPAPImk2john.py
ecryptfs2john.py
ejabberd2john.py
electrum2john.py
enc1s2john.py
enpass2john.py
enpass5tojohn.py
ethereum2john.py
filezilla2john.py
fuzz_option.pl
geli2john.py
geninccstats.rb
hccapx2john.py
hestoraw.pl
htdigest2john.py
ibmiscanner2john.py
ikescan2john.py
ios7tojohn.pl
itunes_backup2john.pl
iwork2john.py
kdcdump2john.py
keychain2john.py
keyring2john.py
keystore2john.py
kirbi2john.py
known_hosts2john.py
krb2john.py
kwallet2john.py
lastpass2john.py
ldif2john.pl
leet.pl
libreoffice2john.py
lion2john-alt.pl
lion2john.pl
lotus2john.py
luks2john.py
mac2john-alt.py
mac2john.py
mcafee_epo2john.py
monero2john.py
money2john.py
mosquitto2john.py
mozilla2john.py
multibit2john.py
neo2john.py
netntlm.pl
netscreen.py
office2john.py
openbsd_softraid2john.py
openssl2john.py
padlock2john.py
pass_gen.pl
pcap2john.py
pdf2john.pl
pem2john.py
pfx2john.py
pgpdisk2john.py
pgpsda2john.py
pgpwde2john.py
potcheck.pl
prosody2john.py
pse2john.py
ps_token2john.py
pwsafe2john.py
radius2john.pl
radius2john.py
restic2john.py
rexgen2rules.pl
rulestack.pl
sap2john.pl
sense2john.py
sha-dump.pl
sha-test.pl
signal2john.py
sipdump2john.py
ssh2john.py
sspr2john.py
staroffice2john.py
strip2john.py
telegram2john.py
tezos2john.py
truecrypt2john.py
unrule.pl
vdi2john.pl
vmx2john.py
zed2john.py
--format=[NAME|CLASS][,..]
Force hash of type NAME. The supported formats can be seen with --list=formats and --list=subformats.
--subformat=FORMAT
Pick a benchmark format for --format=crypt
--tune=HOW
Tuning options (auto/report/N)
--reject-printable
Reject printable binaries
--regen-lost-salts=N
Brute force unknown salts
--pot=NAME
Pot file to use
--no-loader-dupecheck
Disable the dupe checking when loading hashes
--mkpc=N
Request a lower max. keys per crypt
--max-run-time=[-]N
Gracefully exit after this many seconds (if negative,reset timer on each crack)
--max-candidates=[-]N
Gracefully exit after this many candidates tried.
--log-stderr
Log to screen instead of file
--save-memory=LEVEL
Enable memory saving, at LEVEL 1..3
--node=MIN[-MAX]/TOTAL
This node's number range out of TOTAL count
--fork=N
Fork N processes
--costs=[-]C[:M][,...]
Load salts with[out] cost value Cn [to Mn]. For tunable cost parameters
--salts=#M[-N]
Load M [to N] most populated salts
--salts=[-]COUNT[:MAX]
Load salts with[out] COUNT [to MAX] hashes
--shells=[-]SHELL[,..]
Load users with[out] this (these) shell(s) only
--progress-every=N
Emit a status line every N seconds
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