



John The Ripper Cheat Sheet

URL

`https://www.openwall.com/john/`

Installation

```
sudo apt-get install john
```

Pot Location

```
/root/.john/john.pot
```

```
~/.john/john.pot
```

Benchmark

```
john --test
```

Create Session

```
john hash.txt --session=session-name
```

Restore Session

```
john --restore=session-name
```

List Hash Formats

```
john --list=formats
```

List Rules

```
john --list=rules
```

View Status

```
john --status
```

Unshadow

```
unshadow passwd.txt shadow.txt > unshadowed.txt
```

Create Wordlist

```
john --wordlist=list.txt --stdout --external:[filter] > output.txt
```

Zip To John

```
zip2john file.zip > ziphash.txt
```

RAR To John

```
rar2john file.zip > rarhash.txt
```

Default Attack

```
john hash.txt
```

Disclaimer – This cheat sheet was created to help people with exams. It is not for the purposes of hacking public infrastructure.





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Incremental Attack

```
john --incremental hash.txt
```

Mask Attack

```
john -format=hashtype hash.txt -mask?a?a?a?a?a?a
```

Crack MD5

```
john --format=raw-md5 --wordlist=rockyou.txt hash1.txt
```

Crack SHA1

```
john --format=raw-sha1 --wordlist=rockyou.txt hash2.txt
```

Crack SHA256

```
john --format=raw-sha256 --wordlist=rockyou.txt hash3.txt
```

Crack Whirlpool

```
john --format=whirlpool --wordlist=rockyou.txt hash4.txt
```

Crack MD4

```
john --format=raw-md4 --wordlist=rockyou.txt hash5.txt
```

John Masks

?l = lowercase	26 characters	abcdefghijklmnopqrstuvwxyz
?u = uppercase	26 characters	ABCDEFGHIJKLMNOPQRSTUVWXYZ
?d = digits	10 characters	0123456789
?s = special	33 characters	<>!"'£\$%^&*()_+{}[]'#~\ /?
?a = all	95 characters	upper,lower,digits,special
?h = hex	hex characters	0x00, 0xff
?A = all valid		
?H = all except null		
?L = non ASCII lower-case		
?U = non ASCII upper-case		
?D = non ASCII digits		
?S = non ASCII specials		
?w = Hybrid		

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