

OpenSSL

Command	Purpose
<code>openssl version</code>	Version
<code>openssl rand -hex 16</code>	Generate random data
<code>openssl dgst -sha256 FILE</code>	SHA-256 digest
<code>openssl x509 -in cert.pem -text -noout</code>	View certificate
<code>openssl s_client -connect host:443</code>	Inspect server certificate

Hashing

Command	Purpose
<code>md5sum FILE</code>	MD5 hash
<code>sha1sum FILE</code>	SHA-1 hash
<code>sha256sum FILE</code>	SHA-256 hash
<code>sha512sum FILE</code>	SHA-512 hash
<code>sha256 sum -c file.s ha256</code>	Verify checksum

GPG

Command	Purpose
<code>gpg --gen-key</code>	Generate key
<code>gpg -e FILE</code>	Encrypt
<code>gpg --list -keys</code>	List keys
<code>gpg --verify FILE.sig</code>	Verify signature



By **hlhlhl** (hlhlhl)
cheatography.com/hlhlhl/

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