



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'openssl-prime.1openssl' command

\$ man openssl-prime.1openssl

OPENSSL-PRIME(1openssl) OpenSSL OPENSSL-PRIME(1openssl)

NAME

openssl-prime - compute prime numbers

SYNOPSIS

openssl prime [-help] [-hex] [-generate] [-bits num] [-safe] [-provider name] [-provider-path path] [-propquery propq] [-checks num] [number ...]

DESCRIPTION

This command checks if the specified numbers are prime.

If no numbers are given on the command line, the -generate flag should be used to generate primes according to the requirements specified by the rest of the flags.

OPTIONS

-help

Display an option summary.

-hex

Generate hex output.

-generate

Generate a prime number.

-bits num

Generate a prime with num bits.

-safe

When used with -generate, generates a "safe" prime. If the number

generated is n , then check that $(n-1)/2$ is also prime.

-provider name

-provider-path path

-propquery propq

See "Provider Options" in openssl(1), provider(7), and property(7).

-checks num

This parameter is ignored.

COPYRIGHT

Copyright 2017-2020 The OpenSSL Project Authors. All Rights Reserved.

Licensed under the Apache License 2.0 (the "License"). You may not use

this file except in compliance with the License. You can obtain a copy

in the file LICENSE in the source distribution or at

[<https://www.openssl.org/source/license.html>](https://www.openssl.org/source/license.html).

3.0.7

2023-07-13

OPENSSL-PRIME(1openssl)