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Rocky Enterprise Linux 9.2 Manual Pages on command 'openssl-prime.1oss1'

\$ man openssl-prime.1oss1

OPENSSSL-PRIME(1oss1) OpenSSL OPENSSSL-PRIME(1oss1)

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.

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