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

***\$ man openssl-prime.1ssl***

OPENSSL-PRIME(1SSL)                      OpenSSL                      OPENSSL-PRIME(1SSL)

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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