

**NAME**

openssl-pkeyparam - public key algorithm parameter processing command

**SYNOPSIS**

**openssl pkeyparam** [-help] [-in *filename*] [-out *filename*] [-text] [-noout] [-check] [-engine *id*]  
[-provider *name*] [-provider-path *path*] [-propquery *propq*]

**DESCRIPTION**

This command processes public key algorithm parameters. They can be checked for correctness and their components printed out.

**OPTIONS****-help**

Print out a usage message.

**-in** *filename*

This specifies the input filename to read parameters from or standard input if this option is not specified.

**-out** *filename*

This specifies the output filename to write parameters to or standard output if this option is not specified.

**-text**

Prints out the parameters in plain text in addition to the encoded version.

**-noout**

Do not output the encoded version of the parameters.

**-check**

This option checks the correctness of parameters.

**-engine** *id*

See "Engine Options" in **openssl(1)**. This option is deprecated.

**-provider** *name***-provider-path** *path***-propquery** *propq*

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

## EXAMPLES

Print out text version of parameters:

```
openssl pkeyparam -in param.pem -text
```

## NOTES

There are no **-inform** or **-outform** options for this command because only PEM format is supported because the key type is determined by the PEM headers.

## SEE ALSO

**openssl(1)**, **openssl-genpkey(1)**, **openssl-rsa(1)**, **openssl-pkcs8(1)**, **openssl-dsa(1)**, **openssl-genrsa(1)**, **openssl-gendsa(1)**

## HISTORY

The **-engine** option was deprecated in OpenSSL 3.0.

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