

**NAME**

openssl-pkeyparam, pkeyparam - public key algorithm parameter processing tool

**SYNOPSIS**

**openssl pkeyparam** [-help] [-in filename] [-out filename] [-text] [-noout] [-engine id]

**DESCRIPTION**

The **pkey** command processes public or private keys. They can be converted between various forms 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.

**-engine id**

specifying an engine (by its unique **id** string) will cause **pkeyparam** to attempt to obtain a functional reference to the specified engine, thus initialising it if needed. The engine will then be set as the default for all available algorithms.

**EXAMPLE**

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**

[genpkey\(1\)](#), [rsa\(1\)](#), [pkcs8\(1\)](#), [dsa\(1\)](#), [genrsa\(1\)](#), [gendsa\(1\)](#)

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