

**NAME**

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

**SYNOPSIS**

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

**DESCRIPTION**

The **pkeyparam** 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.

**-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.

**-check**

This option checks the correctness of parameters.

**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**

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

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