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Rocky Enterprise Linux 9.2 Manual Pages on command 'jose-jwk-use.1'

\$ man jose-jwk-use.1

JOSE-JWK-USE(1) JOSE-JWK-USE(1)

NAME

jose-jwk-use - Validates a key for the specified use(s)

SYNOPSIS

jose jwk use -i JWK [-a] [-r] -u OP

OVERVIEW

The jose jwk use command validates one or more JWK(Set) inputs for a given set of usages. This will be validated against the "use" and "key_ops" properties of each JWK.

By default, if a JWK has no restrictions an operation will be allowed.

However, by specifying the -r option you can ensure that a JWK will not be allowed unless it explicitly permits the option.

In normal operation, jose jwk use will fail if any of the JWKs do not validate. However, if the -o option is used jose jwk use will instead write a JWK(Set) containing all of the input keys that validate. If no JWKs validate, the command will fail.

OPTIONS

? -i JSON, --input=JSON : Parse JWK(Set) from JSON

- ? -i FILE, --input=FILE : Read JWK(Set) from FILE
- ? -i -, --input=- : Read JWK(Set) standard input
- ? -u sign, --use=sign : Validate the key for signing
- ? -u verify, --use=verify : Validate the key for verifying
- ? -u encrypt, --use=encrypt : Validate the key for encrypting
- ? -u decrypt, --use=decrypt : Validate the key for decrypting
- ? -u wrapKey, --use=wrapKey : Validate the key for wrapping
- ? -u unwrapKey, --use=unwrapKey : Validate the key for unwrapping
- ? -u deriveKey, --use=deriveKey : Validate the key for deriving keys
- ? -u deriveBits, --use=deriveBits : Validate the key for deriving bits
- ? -a, --all : Succeeds only if all operations are allowed
- ? -r, --required : Operations must be explicitly allowed
- ? -o FILE, --output=FILE : Filter keys to FILE as JWK(Set)
- ? -o -, --output=- : Filter keys to standard output as JWK(Set)
- ? -s, --set : Always output a JWKS

EXAMPLES

Examples of both success and failure from a private and public key:

```
$ jose jwk gen -i '{"alg":"ES256"}' -o prv.jwk
```

```
$ jose jwk pub -i prv.jwk -o pub.jwk
```

```
$ jose jwk use -i prv.jwk -u sign
```

```
$ echo $?
```

```
0
```

```
$ jose jwk use -i pub.jwk -u sign
```

```
$ echo $?
```

```
1
```

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SEE ALSO

jose-jwk-gen(1)

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