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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'jose-jwk-thp.1' command**

**\$ man jose-jwk-thp.1**

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### NAME

jose-jwk-thp - Calculates the JWK thumbprint

### SYNOPSIS

jose jwk thp -i JWK [-H ALG] [-o THP]

### OVERVIEW

The jose jwk thp command calculates the thumbprint of one or more JWKs.

### 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
- ? -a ALG, --algorithm=ALG : Use the specified hash algorithm (case sensitive)
- ? -a ?, --algorithm=? : List available hash algorithms
- ? -o FILE, --output=FILE : Write thumbprint(s) to FILE
- ? -o -, --output=- : Write thumbprint(s) to standard input
- ? -f THP, --find=THP : Search input keys for JWK with the given thumbprint

### EXAMPLES

Calculate the S1 thumbprint of a newly generated key:

```
$ jose jwk gen -i '{"alg":"ES256"}' -a S1 | jose jwk thp -i-  
BzmSH6W8a8LlbQ1mD0iBjYj4x4
```

Calculate the S256 thumbprints of a JWKSet containing two keys:

```
$ jose jwk thp -i keys.jwkset -a S256
```

```
6HJwXEuRh8gAkTz4BodEvcEj_KXkgjc-7Qez3d4VNMs
```

```
jo_j_O5gqYpKcZKHPp3miTszAeV60MXHvdb_kkjjTWE
```

Find the input key with the given thumbprint:

```
$ jose jwk thp -i keys.jwkset -f HYRNOxxOOHap0amTONoy1bHnS5M -o key.jwk
```

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#### SEE ALSO

jose-alg(1), jose-jwk-gen(1),

08/09/2021

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