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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'tss2_createkey.1' command

\$ man tss2_createkey.1

tss2_createkey(1) General Commands Manual tss2_createkey(1)

NAME

tss2_createkey(1) -

SYNOPSIS

tss2_createkey [OPTIONS]

SEE ALSO

fapi-config(5) to adjust Fapi parameters like the used cryptographic profile and TCTI or directories for the Fapi metadata storages.
fapi-profile(5) to determine the cryptographic algorithms and parameters for all keys and operations of a specific TPM interaction like the name hash algorithm, the asymmetric signature algorithm, scheme and parameters and PCR bank selection.

DESCRIPTION

tss2_createkey(1) - This command creates a key inside the TPM and stores it in the FAPI metadata store and if requested persistently inside the TPM. Depending on the specified key type, cryptographic algorithms and parameters for the created key are determined by the corresponding cryptographic profile (cf., fapi-profile(5)).

OPTIONS

These are the available options:

? -p, --path=STRING:

The path to the new key.

? -t, --type=STRING:

Identifies the intended usage. Optional parameter. Types may be any comma-separated combination of:

- "sign": Sets the sign attribute of a key.
- "decrypt": Sets the decrypt attribute of a key.
- Hint: If neither sign nor decrypt are provided, both attributes are set.
- "restricted": Sets the restricted attribute of a key.
- Hint: If restricted is set, sign or decrypt (but not both) need to be set.
- "exportable": Clears the fixedTPM and fixedParent attributes of a key or sealed object.
- "noda": Sets the noda attribute of a key or NV index.
- "system": Stores the data blobs and metadata for a created key or seal in the system-wide directory instead of user's personal directory.
- A hexadecimal number (e.g. "0x81000001"): Marks a key object to be made persistent and sets the persistent object handle to this value.

? -P, --policyPath=STRING:

The policy to be associated with the new key. Optional parameter.

If omitted then no policy will be associated with the key.

A policyPath is composed of two elements, separated by /?. A policyPath starts with ?/policy?. The second path element identifies the policy or policy template using a meaningful name.

? -a, --authValue=STRING:

The new UTF-8 password. Optional parameter. If it is neglected then the user is queried interactively for a password. To set no password, this option should be used with the empty string (""). The maximum password size is determined by the digest size of the chosen name hash algorithm in the cryptographic profile (cf., fapi-profile(5)). For example, choosing SHA256 as hash algorithm, allows passwords of a maximum size of 32 characters.

COMMON OPTIONS

This collection of options are common to all tss2 programs and provide information that many users may expect.

? -h, --help [man|no-man]: Display the tools manpage. By default, it attempts to invoke the manpager for the tool, however, on failure

will output a short tool summary. This is the same behavior if the `?man?` option argument is specified, however if explicit `?man?` is requested, the tool will provide errors from `man` on `stderr`. If the `?no-man?` option is specified, or the `manpager` fails, the short options will be output to `stdout`.

To successfully use the `manpages` feature requires the `manpages` to be installed or on `MANPATH`, See `man(1)` for more details.

`?-v, --version:` Display version information for this tool, supported tctis and exit.

EXAMPLE

Create a key without password

```
tss2_createkey --path=HS/SRK/myRsaCryptKey --type="noDa, decrypt" --authValue=""
```

Create a key, ask for password on the command line

```
tss2_createkey --path=HS/SRK/myRsaCryptKey --type="noDa, decrypt"
```

Create a key with password `?abc?`.

```
tss2_createkey --path=HS/SRK/myRsaCryptKey --type="noDa, decrypt" --authValue=abc
```

RETURNS

0 on success or 1 on failure.

BUGS

Github Issues (<https://github.com/tpm2-software/tpm2-tools/issues>)

HELP

See the Mailing List (<https://lists.01.org/mailman/listinfo/tpm2>)

tpm2-tools

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