
ScreenPy PyOTP

Release 4.0.1

Perry Goy

Jan 18, 2023

TOPICS:

1	Extended API	3
1.1	Additional Abilities	3
	Python Module Index	5
	Index	7

Not sure what ScreenPy is? Check out [ScreenPy's documentation](#) first!

`screenpy_pyotp` extends ScreenPy by providing an Ability which interacts with [PyOTP](#). This enables your Actors to *[AuthenticateWith2FA](#)*!

Currently, that's all this extension does. It is expected that other extensions will make use of this ability in their own actions.

EXTENDED API

`screenpy_pyotp` provides an Ability. Just an Ability. But! That ability can be used by other extensions to enable authenticating through two-factor authentication tools.

1.1 Additional Abilities

ScreenPy PyOTP adds one additional Ability, which enables Actors to use PyOTP to authenticate with 2-factor authentication.

1.1.1 AuthenticateWith2FA

class `AuthenticateWith2FA`(*otp: pyotp.TOTP*)

Use PyOTP to enable retrieval of tokens from a two-factor authenticator.

Examples:

```
Perry = AnActor.named("Perry").who_can(
    AuthenticateWith2FA.using_secret(2FA_SECRET)
)

Perry = AnActor.named("Perry").who_can(
    AuthenticateWith2FA.using(pyotp_instance)
)
```

static `using_secret`(*secret: str*) → *AuthenticateWith2FA*

Create a TOTP instance with the given secret.

Args:

secret: the secret given by the 2FA service. You may need to
decode a QR code to get this secret.

static `using`(*otp: pyotp.TOTP*) → *AuthenticateWith2FA*

Specify an already-created TOTP instance to provide tokens.

to_get_token() → str

Get the current two-factor token to use as a one-time password.

PYTHON MODULE INDEX

S

`screenpy_pyotp.abilities`, [3](#)

INDEX

A

`AuthenticateWith2FA` (class in `screenpy_pyotp.abilities`), 3

M

module
 `screenpy_pyotp.abilities`, 3

S

`screenpy_pyotp.abilities`
 module, 3

T

`to_get_token()` (*AuthenticateWith2FA* method), 3

U

`using()` (*AuthenticateWith2FA* static method), 3
`using_secret()` (*AuthenticateWith2FA* static method),
 3