

# Non-interactive AWS Azure Login

Eric Bailey

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## Password management

For password management, I use `pass`<sup>1</sup>.

```
<Get the password from the store 1>≡ (4)
pass show "Azure AD" 2>/dev/null | head -n1
```

On top of that, I use the `pass-otp`<sup>2</sup> extension to manage OTP tokens.

```
<Generate an OTP token 2>≡ (5)
pass otp show "Azure AD"
```

With these two tools, I can automate refreshing my AWS credentials using Azure AD.

<sup>1</sup> <https://www.passwordstore.org/>

This assumes Azure AD is in the password store.

<sup>2</sup> <https://github.com/tadfisher/pass-otp>

This assumes Azure AD is configured.

## Automated interaction

Spawn a non-interactive `aws-azure-login`<sup>3</sup> process, forcing a credential refresh, even if they are still valid.

```
<Spawn aws-azure-login process 3>≡ (6)
spawn -noecho aws-azure-login -force-refresh -no-prompt
```

Alternatively, I could send the username...

```
expect "**Username*" {
    set username [ exec pass show "Azure AD" | awk "/Username:/ { print \$2 }" ]
    send "$username\n"
}
```

<sup>3</sup> <https://github.com/sportradar/aws-azure-login>

This requires the environment variable, `AWS_PROFILE`, to be set, and `~/aws/config` to be properly configured.

... and duration to their respective prompts.

```
expect "**Duration*" { send "8\n" }
```

The main point of this script is to obviate the need for me manually provide my password and OTP token. I prefer to let `Expect`<sup>4</sup> interact on my behalf.

When prompted for the `password`, get it from the store and send it.

```
<Send the password when expected 4>≡ (6)
expect "**Password:*" {
    set password [ exec <Get the password from the store 1> ]
    send "$password\r"
}
```

When prompted for an OTP token, generate one and send it.

```
<Send the OTP token when expected 5>≡ (6)
expect "**Verification Code:*" {
    set verification_code [ exec <Generate an OTP token 2> 2>/dev/null ]
    send "$verification_code\r"
}
```

```
< * 6>≡
#! /usr/bin/env expect
```

```
<Spawn aws-azure-login process 3>
```

```
<Send the password when expected 4>
```

```
<Send the OTP token when expected 5>
```

```
interact
```