AFSC Fishery Stock Assessment SOP

alphabetical and Ben Williams

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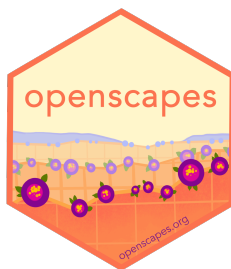# Contents

```
## here() starts at C:/Users/Ben.Williams/Work/code/afsc/sop
```

Chapter 1

Welcome

The content for this book was developed as part of our group's participation in the Openscapes Champions program.

← link to this book's GitHub repository.

If you have anything you would like to add or see something that needs corrected please create an Issue and let us know!

Chapter 2

Onboarding

2.1 Code of conduct

2.2 Git and GitHub

2.3 AFSC Best Practices

2.3.1 File directory

2.3.2 Coding style guide

Chapter 3

Data

3.1 Getting access

This section was pretty much put together by Jordan Watson, thanks Jordan!!

There are two databases in particular that you'll want access to. "AFSC" and "AKFIN". AKFIN is the Alaska Fisheries Information Network (our version of ACCSP). These are both Oracle databases but require different logins and different network connections. To get an AFSC account, your supervisor will need to submit a helpdesk request. To get an AKFIN account, you will need to contact Bob Ryznar at Pacific States Marine Fisheries Commission (RRyznar@ psmfc.org). With Bob, specify that you'd like access via both Answers (online GUI) and SQL (it's two different accounts).

Before getting your accounts, you will need to get on the "signer's list" which gives you access to confidential data. Sign both the federal and state ones which will give you full access to most things in AKFIN (including fish tickets). Contact Obren Davis at the AKRO to get the paperwork. This will not give you access to VMS data. That's a separate process.

CRITICAL: If you mess up your password in the AFSC database 3 times, your account is locked and you need the admin to reset you. Seriously. It's a pain. You have to change your password every three months. Easy to change in `sql developer`.

Recommended: have IT load `SQLDeveloper` on computer.

todo: add examples of changing in sql developer

You will need to have IT install the Oracle odbc driver. Take the code chunks below (AFSC and AKFIN) and copy and paste them into a blank text document and save that document as `tnsnames.ora`. Give this `.ora` file to the IT person when they are setting up your account.

```
afsc =
  (DESCRIPTION =
    (ADDRESS = (PROTOCOL = TCP)(HOST = raja.afsc.noaa.gov)(PORT = 1521))
    (CONNECT_DATA =
      (SERVER = DEDICATED)
      (SERVICE_NAME = afscp1)
    )
  )

akfin =
  (DESCRIPTION =
    (ADDRESS = (PROTOCOL = TCP)(HOST = akfindb.psmfc.org)(PORT = 2045))
    (CONNECT_DATA =
      (SERVER = DEDICATED)
      (SERVICE_NAME = akfin.psmfc.org)
    )
  )
```

Some simple terminology for when you are communicating with the AKFIN folks. "AKFIN" is the database. The schema is essentially like a folder and inside of it are all the tables.
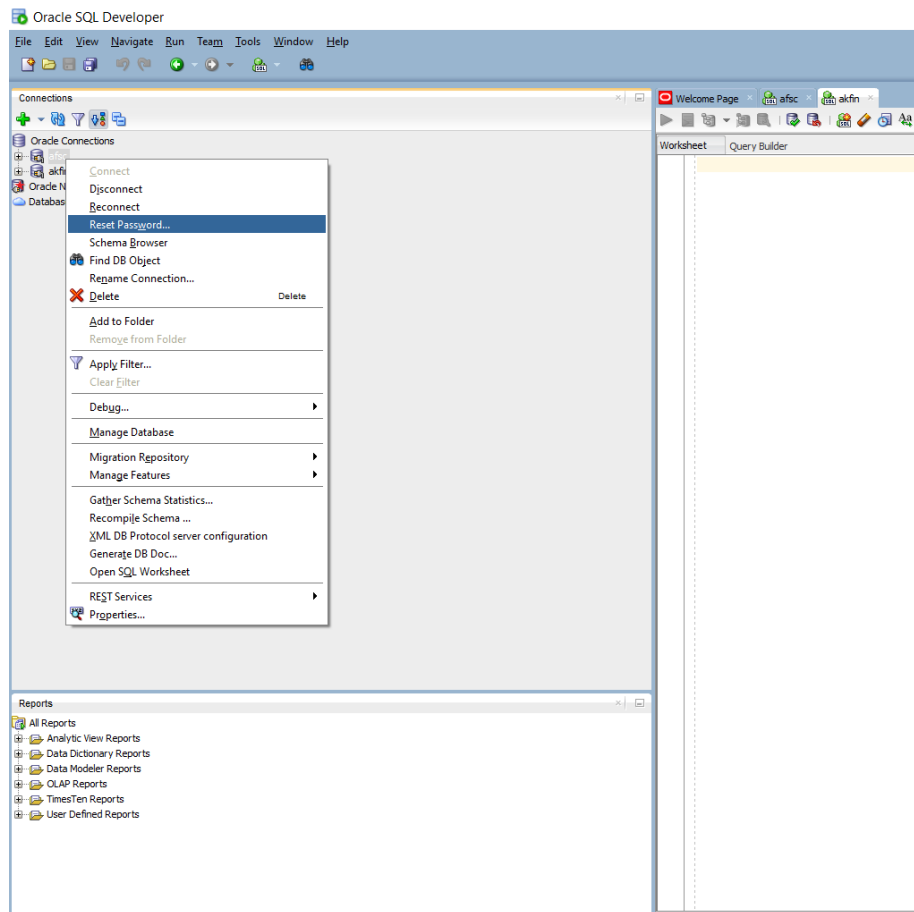
3.2   Passwords

Your AFSC database password expires every 90 days. Fortunately it is easy to update using Oracle SQL Developer.

Step 1. Open Oracle SQL Developer
Step 2. Right click the AFSC connection, then click on "Reset Password".

```
knitr::include_graphics(here::here('figs', 'pwd1.png'))
```

3.3 Confidentiality

Some data we just aren't permitted to share...

3.3.1 Handling confidential data on GitHub

3.3.1.1 Easy method

Use `.gitignore` and keep any confidential files from being pushed to github.