Australian Government

Relationship Authorisation Manager (RAM) User Guide

How to install a machine credential

Guide overview

This user guide provides step-by-step instructions on how to **create a new machine credential** for a business in Relationship Authorisation Manager (RAM).

What are machine credentials?

Machine credentials will replace AUSkeys used in software. A machine credential is installed on a device and enables you to interact directly with government online services through your business software.

You will use a machine credential if you:

■ are a digital service provider who offers cloud-based Standard Business Reporting (SBR) enabled software. You will need to create a machine credential and install it on your server to enable software authentication by third party users.
■ are using desktop or locally hosted software. You will need to create a machine credential. This performs the same function as an Administrator or Standard AUSkey in your software. Your digital service provider will let you know when your software has been updated.

Note: *If you are using cloud based Standard Business Reporting (SBR) enabled software you will not need to create a machine credential.*

Who should use this guide?

Principal authorities

A principal authority is a business owner or an eligible individual associate listed in the Australian Business Register (ABR). The principal authority is responsible for the initial set-up of the business in RAM. A principal authority can complete all activities in this guide.

Authorised machine credential administrator role

A business representative with a machine credential administrator role can create machine credentials on behalf of the business. A machine credential administrator will only be required if your business uses software to interact directly with government online services.

Before you start

Before you create a machine credential you **will need to download and install a browser extension** compatible with your device's operating system. This will be available on the RAM website for Firefox and Chrome based web browsers on the following operating systems:

- Windows
- MAC OS
- Linux

For the instructions to download and install the Browser Extension (ATOBE) for the relevant operating systems please see the appendix section of this guide.

- **Appendix 1:** Download and install a browser extension for **Windows**
- **Appendix 2:** Download and install a browser extension for **MAC OS**
- **Appendix 3:** Download and install a browser extension for **Linux**

How to install a machine credential

> **IMPORTANT:** In order to install a machine credential from RAM you must be either a **Principal Authority** or a **Machine Credential Administrator (MCA)** for the business.

1. Using Chrome or Firefox, go to https://authorisationmanager.gov.au
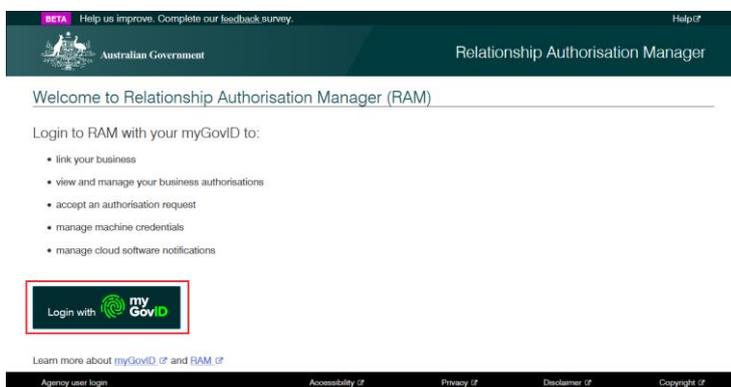
2. Log in using your myGovID by entering the email address that you used to create your myGovID.

   A code will appear. Open myGovID on your smart device, log in and enter the 4 digit code into the pop-up within the app. Tap **Accept**.

   Note: To learn more about how to download and set up your myGovID visit the myGovID website: https://www.mygovid.gov.au/
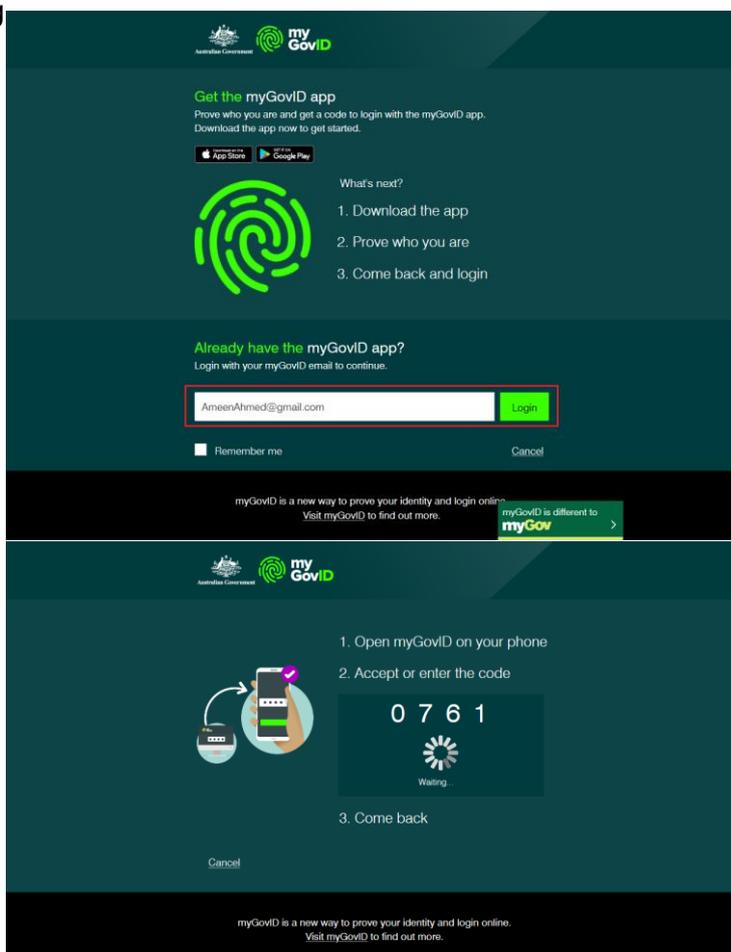
3. Click **Manage authorisations, machine credentials and cloud software notifications** to be redirected to view all the entities you can act for.
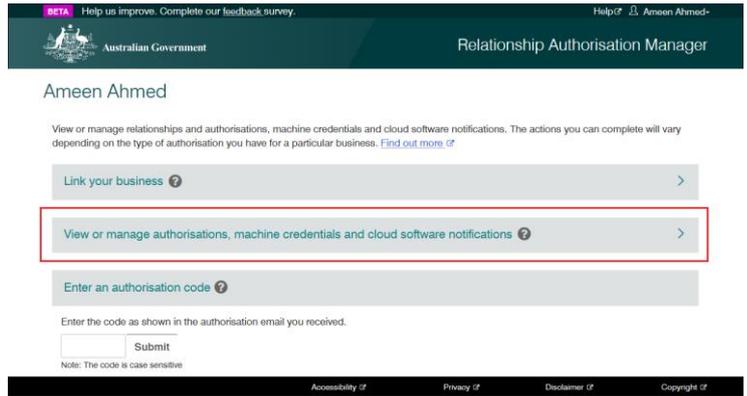
4. Select the business you would like to create a machine credential for.
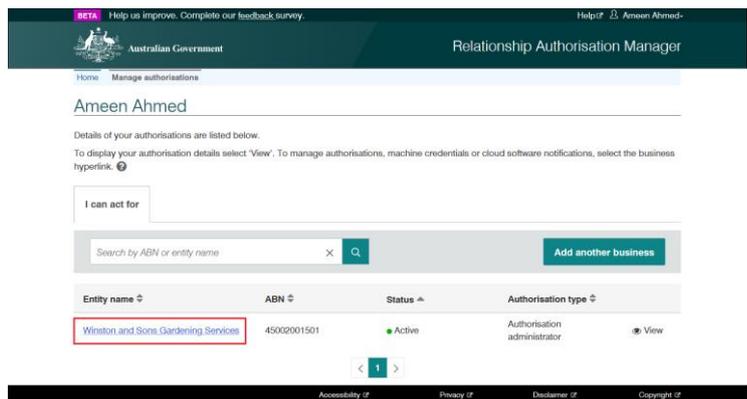
5. The business homepage will be displayed with a list of all the authorisations for the business. Click on the **Manage Credentials** tab in the toolbar.
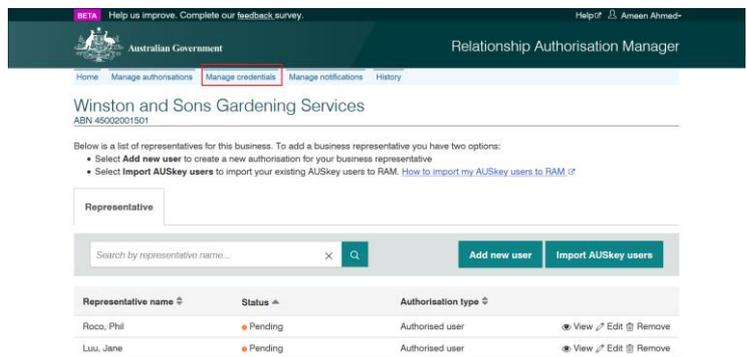
6. The Manage credentials page is displayed.

   If you've already installed the required browser extension, skip this step.

   If this is the first time installing a machine credential, you will see a message advising that browser extension software is required.

   ■ Click the link to visit Machine credential downloads.
   ■ Click the browser extension link for your operating system.
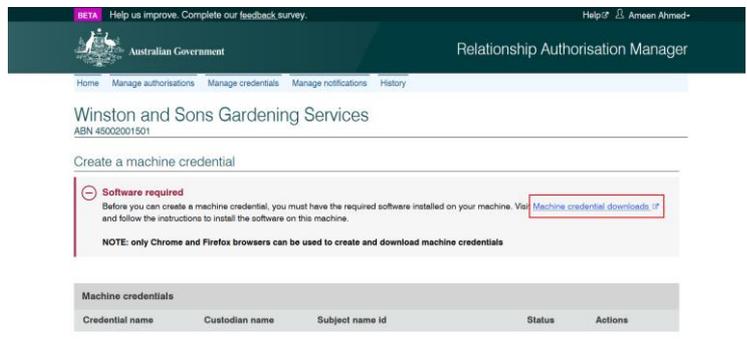
■ Install the browser extension and ensure it is **enabled**.

■ Close down your browser.

■ Reopen your browser and go to https://authorisationmanager.gov.au and login with your myGovID and navigate back to the Manage credentials page.

Refer to the Appendix section in this guide for instructions specific to your operating system.

7. Click **Create machine credential.**

The Create machine credential page is displayed. Enter the following information:

■ Keystore path – This will be pre-filled but can be changed if required. This is where the machine credential will be created and stored.

■ Keystore Password – Enter a password.

■ Credential name – Enter a name for the machine credential.

■ Identify the Machine Credential Custodian – This will be pre-filled with your name and cannot be changed.
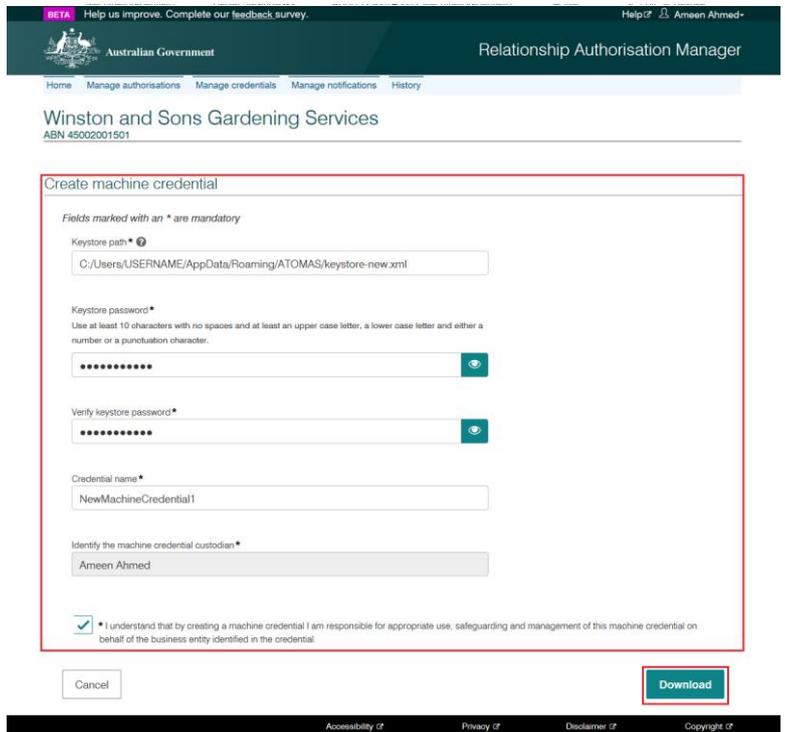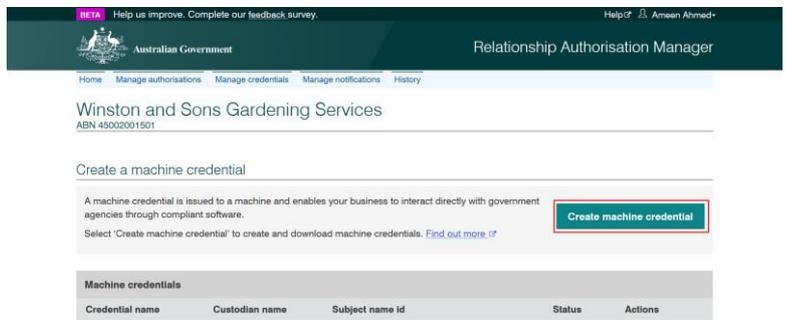
8. Tick the box to confirm you understand and accept the machine credential details. Click **Download.**

9. The Credential Installed notification is displayed upon successful installation. Click **Finish** to return to the Manage credentials page.
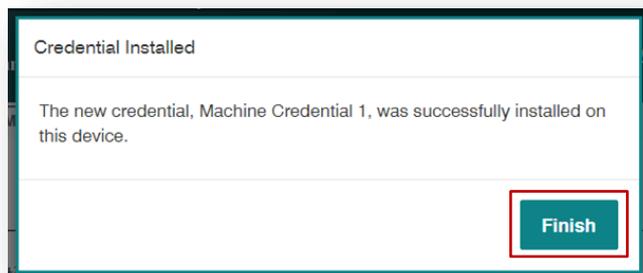
10. The Manage credentials page allows you to create, view, and revoke machine credentials for the business.
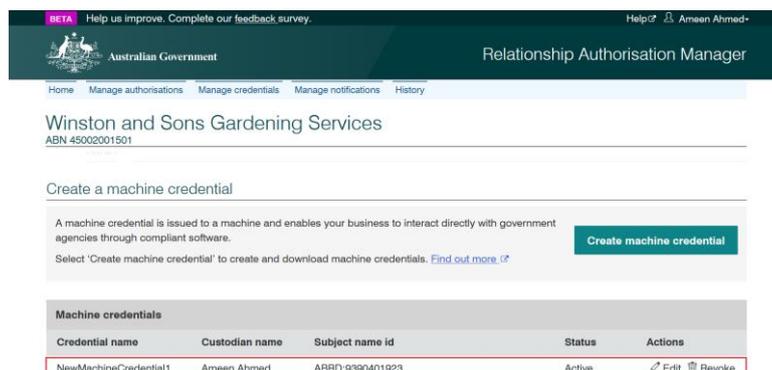
Appendix 1

Download and install a browser extension for **Windows**

Use link
https://info.authorisationmanager.gov.au/sites/default/files/atobeinstaller_exe.zip and click on
'ATOBEInstaller.exe'.

Name	Type	Compressed size
ATOBEInstaller.exe	Application	2,856 KB

1. The ATOBE Installer will open, click 'I Agree' to progress.
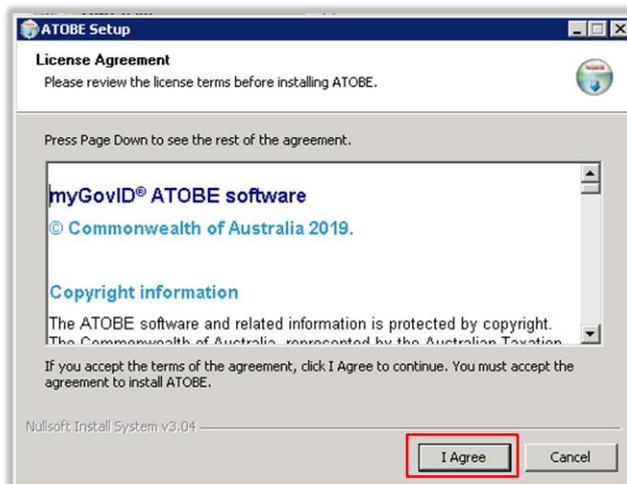
2. If the following message appears, close any open browsers and click 'Retry'.
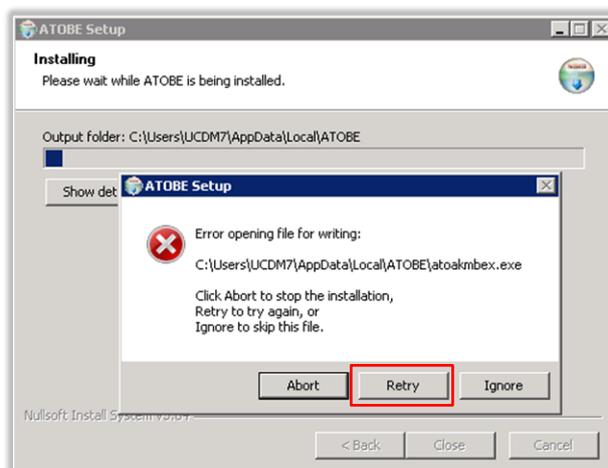
3. Click 'Close' to finalise installation.
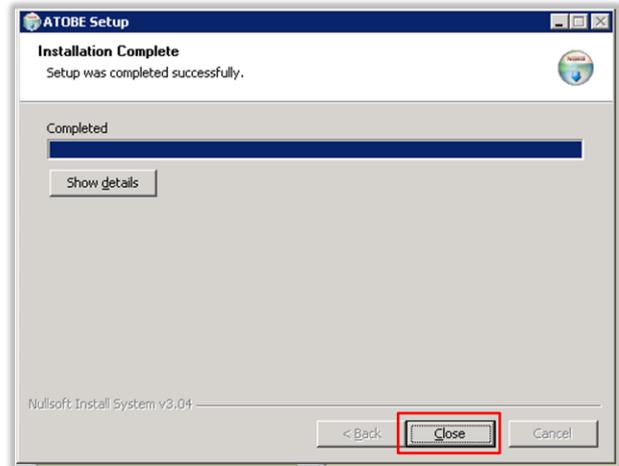
4. You have now successfully installed the browser extension onto your computer.

Click 'OK' and before using, please restart any open browsers or logoff and on again.
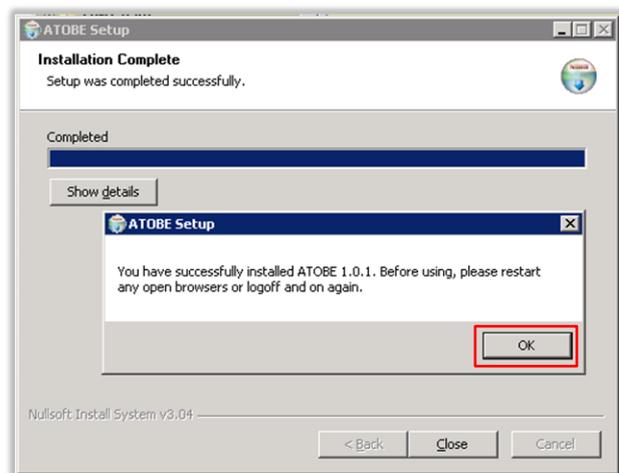
Appendix 2

Download and install a browser enabler/extension for **MAC OS**

Use link
https://info.authorisationmanager.gov.au/sites/def
ault/files/atobeinstaller_pkg.zip and click on
'ATOBEInstaller.pkg'.

1. The ATOBE Installer will be made available in the 'Downloads' folder. Click on download to activate.
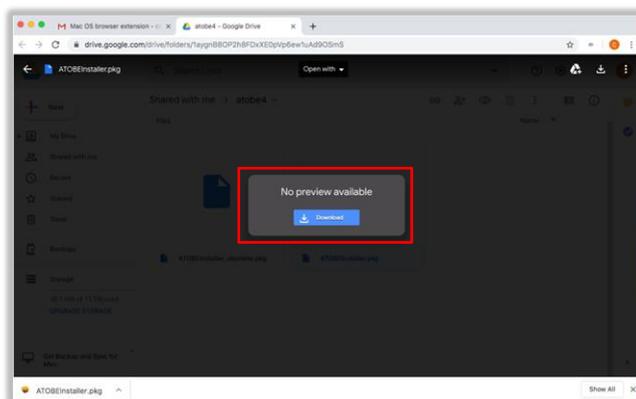
2. The ATOBE Installer will open, click 'Continue'.
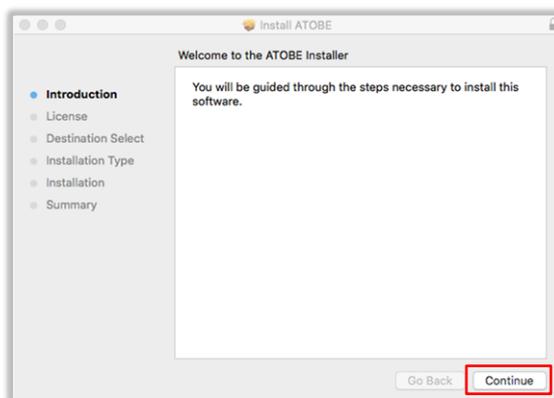
3. The 'License' information will be displayed. Click 'Continue' then 'Agree' to progress.
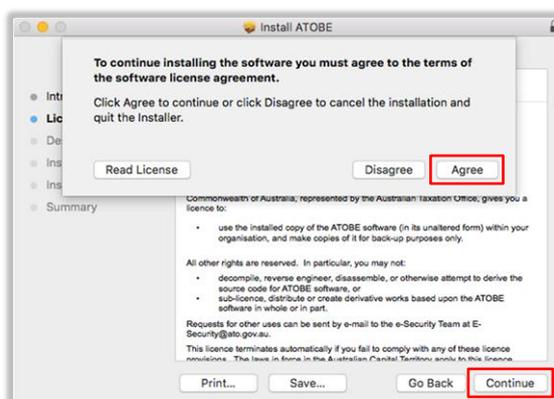
4. The destination is automatically selected. Click 'Install' and you will be prompted to enter your computer password to allow installation. Then click 'Install Software'.

   Note: *You can change the install location if required before clicking 'Install'.*
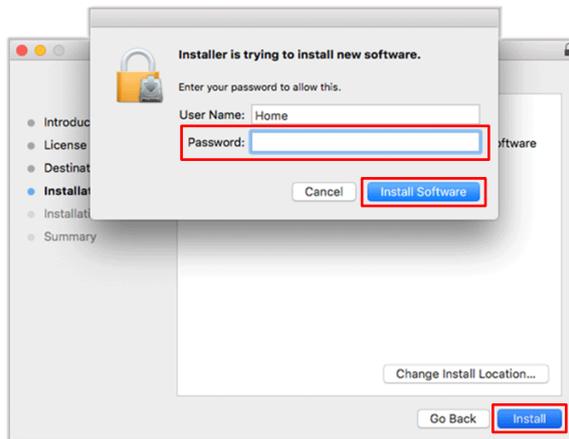
5. To finalise installation all applications must be closed and you will be logged out when complete. Click 'Continue Installation'.
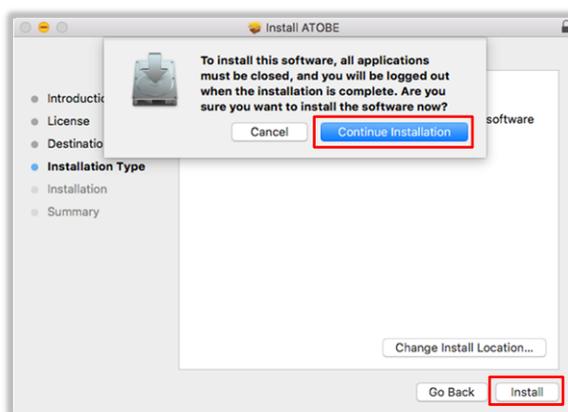
6. You have now successfully installed the browser extension onto your computer.
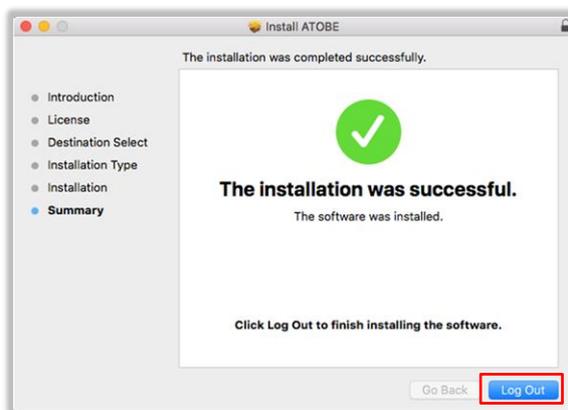
7. You can move the ATOBE Installer to the trash as required and delete.
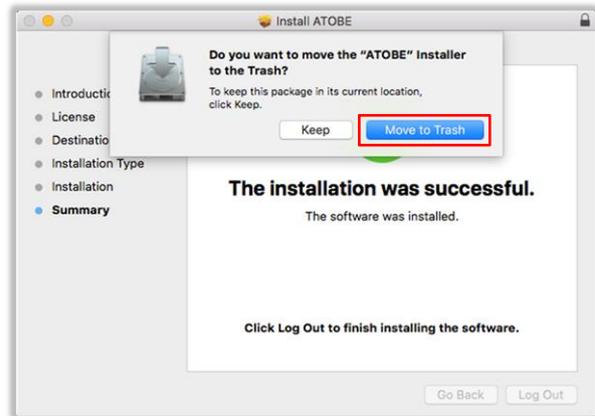
8. Once the ATOBE has been added you will be prompted to 'Enable Extension' in order for the browser enabler to work.
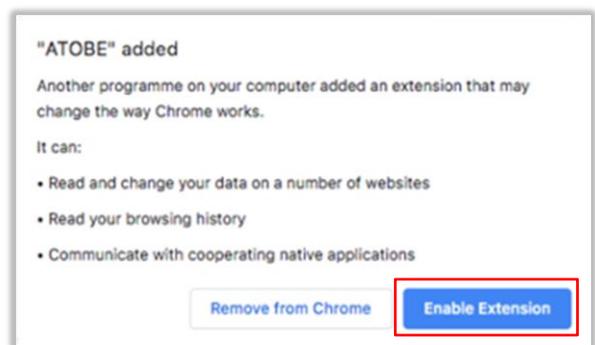
Appendix 3

Download and install a browser enabler/extension for **Linux**

Use link
https://info.authorisationmanager.gov.au/sites/default/files/atobeinstaller_nix_sh.zip and click on
'ATOBEInstaller-nix.sh'.

Name	Type	Compressed size
ATOBEInstaller-nix.sh	SH File	146 KB

1. Ensure that all browser sessions are closed.

   Open a terminal window at the download location and run 'Bash ./ATOBEInstaller-nix.sh'.

   ```
   /tmp>
   /tmp> bash ./ATOBEInstaller-nix.sh
   ```

2. The following console output will appear (elided below with comments).

   ```
   /tmp> bash ./ATOBEInstaller-nix.sh
   v1.0.1
           libjansson.so.4 (libc6,x86-64) => /usr/lib64/libjansson.so.4
           libjansson.so.4 (libc6) => /usr/lib/libjansson.so.4
           libjansson.so (libc6,x86-64) => /usr/lib64/libjansson.so
   ATOBE/
   ```

3. The installer checks to see that the dependent library *libjansson* is present. If it is not, please install it from the relevant repository.

   ```
   DEBUG=false
   Testing /home/bruce/.local/bin/ATOBE/atoakmbex --testx
   ```

4. The installed executable is run. Errors will be produced if there are any other dependent libraries missing. Check and install any other missing dependencies.

   ```
        ,"allowed_extensions": [ "@au.gov.ato.be.firefox" ]
   }
   Finishing pstscript.sh
   /tmp>
   ```

   You have now successfully installed the browser extension onto your computer.