# Title: SDET Onboarding Guide

### **Please refer to this**[**Freshsales Engineering Onboarding Guide**](https://confluence.freshworks.com/pages/viewpage.action?pageId=223777976)**.**

* Getting access to Freshrelease
* Getting access to Slack
* Getting added to slack channels by the mentor - "fsa-qa" , "fsa-deployments", "fsa-engg", squad channel etc
* Getting added to Freshrelease QA owner & Automation owner field in Test cases by the mentor - Raising a request in "fr-fw-support" channel
* Getting added to Freshrelease QA owner field for Tasks
* Getting access to AWS
* Getting access to Freshsales Repo

**Request Github write access for the following repo:**

* freshsales-webframe-automation
* webframe

**Knowledge transfer -**By this time your KT sessions should be scheduled by your buddy/mentor, this will be a heads up for what to expect in your KT sessions.

(New Joinee KT Links)

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| --- | --- |
| Modules | Owner |
| [Product Overview](https://freshworks.zoom.us/rec/share/sR01WoI6LvSvJh0eekuZj98YqrdrVyuEjIn4xBJXN0VujDXqewdMzxprAuYfJEF0.ovJ3n52EqhTBnGNW)(Passcode: zL4s!0%y ) & [Architecture](https://confluence.freshworks.com/display/freshsales/Freshsales+Architecture+Diagram) | Buddy/mentor |
| Core modules L/C/A/D | Praveen |
| Deal Pipelines & Forms, Task, Appointments & Sales Activities | Dheena |
| Module Customization & Custom Modules | Gopal |
| Import, Export and CRM Migrations, Filters | Meenakshi |
| Search | Uma |
| Lead score, Tags, Sales Goals | Pavithra |
| Integrations, Activity Dashboard, API | Rubika |
| Users, Teams,  and Territories | Logesh/Rajan |
| Roles & Scope, Web & Smart Forms | Illakiya |
| Workflow & Sales Sequence | Bala |
| Reports & Dashboard/ Freshreports | Bala |
| Email Platform service | Sathish |
| Phone(Twilio/Freshcaller) & SMS | Bala |
| Plans & Billings | Rajan |
| Admin Settings - Overview x | Reshma |
| Mobile app | Senthil/Sathish |
| CPQ | Muthu |
| Frontend Performance | Gowtham/Meenaloshini |
| Analytics | Rajan |

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| --- | --- |
| Automation | Owner |
| Selenium - Ruby | All SET's on round-robin manner |
| Webframe, Folder structures |
| Freshsales-webframe automation |
| Best practice |
| API Automation |
| Recordings : |
| Document: |

|  |  |
| --- | --- |
| Deployments/Release process | Owner |
| [Freshrelease Workflow](https://confluence.freshworks.com/display/freshsales/Freshrelease+for+Freshsales) | Buddy/mentor of the respective squad |
| [Freshsales Runway - Jenkins](https://confluence.freshworks.com/display/TE/Runway) |
| Deployments Process |

## **Automation Setup**

***Run below command to Create SSH key***

* ssh-keygen -t rsa

This process will create two keys in the /Users/USERNAME/.ssh directory (where USERNAME is your macOS username). Those keys are:

* id\_rsa
* id\_rsa.pub

The file ending in .pub is the public key. This is the public key that you can share with others. The other key, id\_rsa, is your private key. Never share this key.  
Copy id\_rsa.pub key and update the same at:

AWS <https://console.aws.amazon.com/opsworks/home?region=us-east-1#/mysettings>.

Github: <https://github.com/settings/keys>

Go to "**About this Mac”** option in your laptop -> check for Chip

If chip is M1, please follow the below steps for Automation Setup

<https://docs.google.com/document/d/1HP9E8tGtapKKgEmM521d2hUfZdcqPEkgU8lam439BmM/edit?usp=sharing>

If chip is other than M1, Please follow the below steps

***Install xcode, brew, rvm and ruby***

***Run below command to install xcode***

* xcode-select --install
* WorkAround: If it is not installed, install it manually

**Run below command to install home brew**

* ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"  
  Note "To start using RVM you need to run source /Users/USERNAME/.rvm/scripts/rvm"

**Run below command to install rvm**

* curl -L https://get.rvm.io | bash -s stable --auto-dotfiles --autolibs=enable --ruby

**Run below command to install ruby**

* rvm install 2.7.0 or rvm install "ruby-2.7.0"  
  rvm use 2.7.0 --default  
    
  Note: if u are unable to install 2.5.1, follow below steps  
    
  refer below link:
* https://github.com/rvm/rvm/issues/5153   
     
   (or)
* brew install libffi  
  export PKG\_CONFIG\_PATH="/opt/homebrew/opt/libffi/lib/pkgconfig"  
  LDFLAGS="-L/opt/homebrew/opt/libffi/lib" CPPFLAGS="-I/opt/homebrew/opt/libffi/include" rvm install 2.5.1

**Clone freshsales-webframe-automation repo link : git clone**[**git@github.com**](mailto:git@github.com)**:freshdesk/freshsales-webframe-automation.git**

**Create gemset for automation repo :**

* rvm gemset create <name>
* rvm gemset use 2.5.1@<name> --default or rvm gemset use ruby-2.5.1@<name> --default

**Install chromedriver:**

* Download chrome driver version 76 - https://chromedriver.chromium.org/downloads and make sure your chrome browser version is also same
* tar -xzvf /Downloads/Chromedriver.zip
* mv Downloads/chromedriver /usr/local/bin/chromedriver

**Install Mysql2(For local run):**

* brew install mysql

**Install ImageMagic(For local run):**

* brew install ImageMagick
* brew install poppler

**Install cmake(For running pronto on local)**

* brew install cmake

**Bundler and gem install**

* gem install bundler
* bundle install
* If bundle install got failed, check you got access for below repo:
* https://github.com/freshdesk/WebFrame  
  https://github.com/freshdesk/freshsales-webframe-automation

**Run a sample spec to check**

* webframe local.yml <path-to-spec> (For local)
* webframe yml\_pipeline/staging.yml (Make sure to mention the required spec and account name in the yml file)
* webframe yml\_pipeline/staging.yml  -c domain:<Docker name> (For running the automation in docker environment)

**Adding new user(newly joined in the team) in Freshrelease Automation owner list for freshsales project -**Either send email to [support@freshservice.com](mailto:support@freshservice.com) or create an freshservice ticket

**Local setup for FWSS secrets fetching -** [**Onboarding FWSS for Webframe UI Automation**](https://confluence.freshworks.com/pages/viewpage.action?pageId=372834630)

## **Guides**

Rspec matches link:<https://rubydoc.info/gems/rspec-expectations/RSpec/Matchers>

Guidelines for case writing: <https://confluence.freshworks.com/pages/viewpage.action?pageId=13500450>

Best Practices for Ruby: <https://github.com/rubocop-hq/ruby-style-guide>

Sample ruby with selenium PDF: [TheSeleniumGuidebookRubyEdition2.0.0 (1).pdf](https://confluence.freshworks.com/download/attachments/223798247/TheSeleniumGuidebookRubyEdition2.0.0%20%281%29.pdf?version=1&modificationDate=1568901229047&api=v2)

## **Web frame**

Web frame Documentation - [Documentation](https://confluence.freshworks.com/pages/viewpage.action?pageId=194248910)

## **Advanced checklist**

Supreme User access: <https://devops.freshservice.com/support/catalog/items/34>  
Freshworks VPN access: <https://lighthouse.freshservice.com/support/catalog/items/64>

### Browser Extension - Chrome/Brave

Install the following extension in your chrome/brave browser for better debugging of L2’s

GITHUB URL : <https://github.com/sampath-paravasthu/freshsales-session-data-extracter>

Please follow the steps provided in the readme of the repo for installation and usage.

### CRM/ freshsales Account Creation Package

Install the following npm package in you machine for creating crm/freshsales accounts.

Please follow the steps provided in the readme of the repo for installation and usage

<https://github.com/freshdesk/freshsales-account-creator>

## **Security testing overview**