

Task	Command
Login to Dev Hub (web)	sf org login webset-default-dev-hub
Login to any Org (web)	sf org login web
Login using JWT	sf org login jwtclient-id <id>jwt-key-file <file></file></id>
(CI/CD)	username <username></username>
List authorized orgs	sf org list
Logout from an org	sf org logouttarget-org <alias></alias>

## **Scratch Org Management**

Task	Command
Create a scratch org	sf org create scratchdefinition-file config/project- scratch-def.jsonset-default
Delete a scratch org	sf org delete scratchtarget-org <alias></alias>
Open a scratch org	sf org open
View active scratch orgs	sf org list scratch

# **Source Operations**

Task	Command
Push source to scratch org	sf project deploy start
Pull source from scratch org	sf project retrieve start
Deploy source to org (any)	sf project deploy starttarget-org <alias></alias>
Retrieve source from org	sf project retrieve starttarget-org <alias></alias>
Check deploy status (async)	sf deploy reportjob-id <id></id>

#### **Apex Operations**

Task	Command
Run anonymous Apex	sf apex runfile <file></file>
Execute SOQL query	sf data queryquery "SELECT Id, Name FROM Account"
Run Apex tests	sf apex test runtarget-org <alias>result-format humancode-coverage</alias>
View Apex test results	sf apex test reporttest-run-id <id></id>

#### **Metadata Deployment (MDAPI)**

Task	Command
Convert SFDX → MDAPI	sf project convert sourceoutput-dir mdapi_output
Deploy MDAPI	sf deploy metadatatarget-org <alias>metadata-dir mdapi_output</alias>
Retrieve metadata	sf retrieve metadatatarget-org <alias>metadata <type>:<name></name></type></alias>

# Data Management

Task	Command
Import data (CSV)	sf data importplan <data-plan.json></data-plan.json>
Export data (SOQL)	sf data exportquery "SELECT Name FROM Contact"
Insert record	sf data record createsobject <object>values "<field>=<value>"</value></field></object>
Update record	sf data record updatesobject <object>record-id <id> values "<field>=<value>"</value></field></id></object>
Delete record	sf data record deletesobject <object>record-id <id></id></object>

#### **Project Setup & Plugins**

Task	Command
Create a new project	sf project generatename myProject
Install plugin	sf plugins install <plugin-name></plugin-name>
Update plugins	sf update
List plugins	sf plugins

### **Miscellaneous**

Task	Command
View current user/org info	sf org display
Set default org	sf config set target-org= <alias></alias>
Clear default org	sf config unset target-org
Check CLI version	sfversion
Help for any command	sf <command/> help