

NOTES

All commands are in the force namespace so must be prefixed with `sfdx force:.`

Setup

Create Project

```
project:create -n dir
```

Create scratch org

```
org:create -f config_file
```

Generate Password

```
user:password:generate -u user
```

Migrating Code/Config

Push to scratch org

```
source:push
```

Pull from scratch org

```
source:pull
```

Deploy metadata

```
mdapi:deploy -u user -d dir
```

Retrieve metadata

```
mdapi:retrieve -u user -r dir
```

Cancel metadata deployment

```
mdapi:deploy:cancel -u user -i job_id
```

Packaging

Create package

```
package:create -n name - t type -r dir
```

Create package version

```
package:version:create -p id|alias -d dir -k password
```

Install package

```
package:install -p id|alias -k password
```

NOTES

Most commands require a username or alias to indicate the org to operate on, specified via the `-u` switch.

Authentication

Login to an org

```
auth:web:login {-a alias} {-d}
```

Set default dev hub

```
config:set defaultdevhubusername=user
```

Set default scratch org

```
config:set defaultusername=user
```

List valid authenticated orgs

```
org:list
```

List authenticated orgs

```
auth:list
```

Open an org

```
org:open
```

Logout of an org

```
org:logout -u user
```

DATA

Create a record

```
data:record -s subject -v fields
```

Retrieve a record

```
data:record:get -s subject -i id
```

Update a record

```
data:record:update -s subject -i id -v fields
```

Query one or more records with SOQL

```
data:soql:query -q query
```

Delete a record

```
data:record:delete -s subject -i id
```

Bulk upsert

```
data:bulk:upsert -s subject -i ext_id -f file
```

CONVERT

To source format

```
mdapi:convert -r mdpai_dir -d source_dir
```

From source format

```
source:convert -r source_dir -d mdapi_dir
```

TESTING

Run single test

```
apex:test:run -t class.test
```

Run all tests in class

```
apex:test:run -t class
```

Run tests in org namespace

```
apex:test:run -l RunLocalTests
```

Run all tests in org

```
apex:test:run -l RunAllTestsInOrg
```

Extract code coverage

```
apex:test:run -c -r human
```

Run tests when deploying

```
mdapi:deploy -u user -r dir -l RunLocalTests
```

OTHER

Display limits

```
limits:api:display
```

Assign permission set

```
user:permset:assign -n psetname -u user -o users
```

Execute apex

```
apex:execute {-f apex_file}
```

List debug logs

```
apex:log:list
```

Retrieve debug log

```
apex:log:get -i log_id -n lines
```

Tail debug logs

```
apex:log:tail -d debuglevel -- loglevel level
```



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