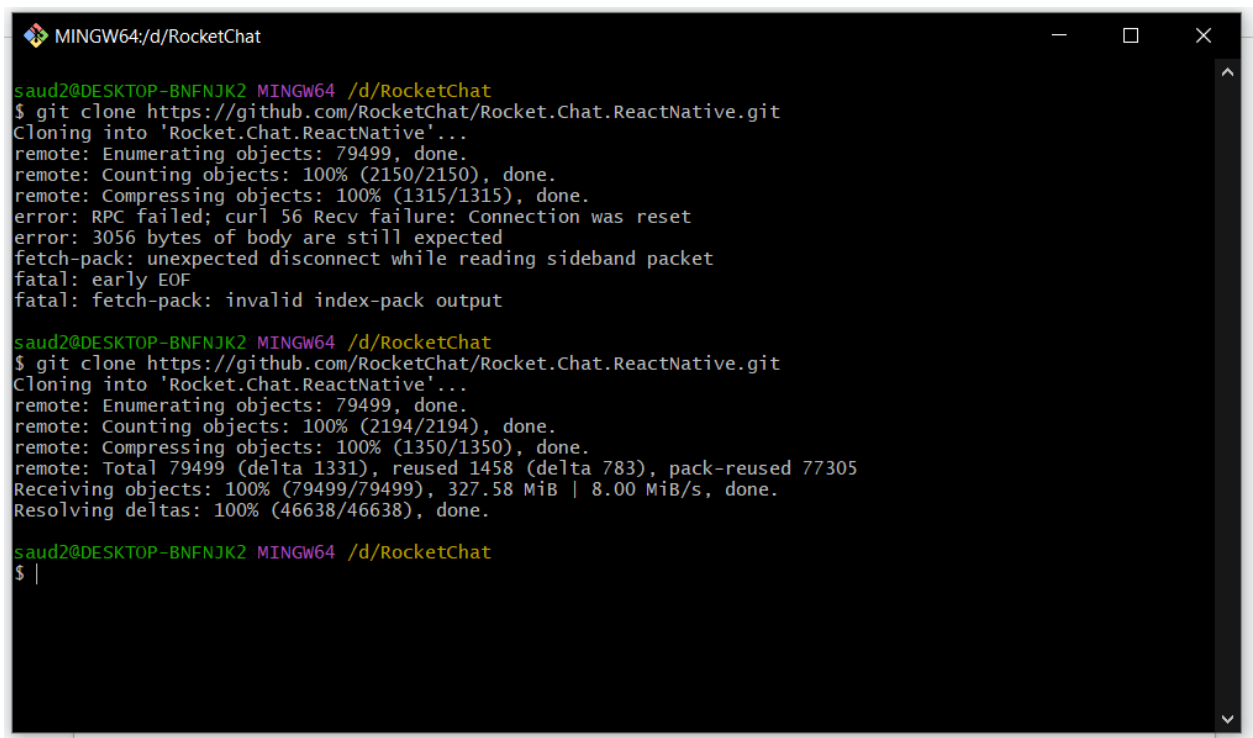


Setting up the project

- **Set of commands before cloning:**
- **Update distro for WSL 2**
sudo apt-get update && sudo apt-get dist-upgrade -y
- **Other essentials:**
 - Install Node js
 - Install Meteor using **curl https://install.meteor.com/ | sh**
 - Install yarn using **npm install --global yarn**
- **Clone from github:**

<https://github.com/RocketChat/Rocket.Chat.ReactNative>

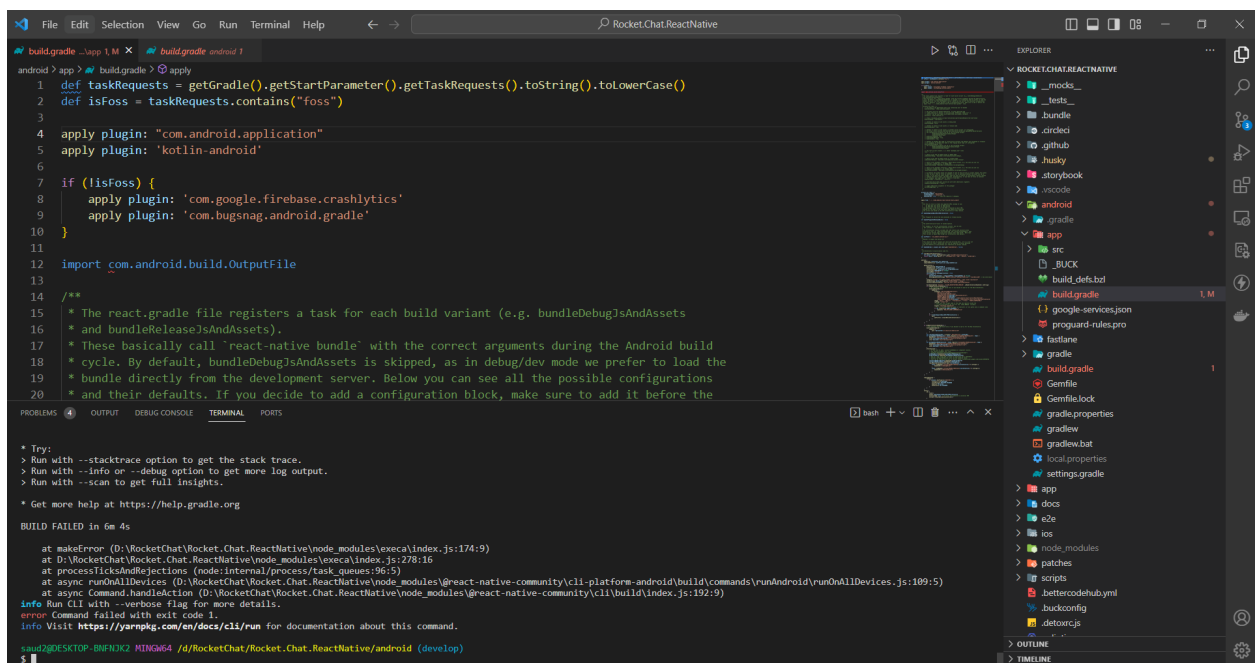


```
MINGW64:/d/RocketChat
saud2@DESKTOP-BNFKJK2 MINGW64 /d/RocketChat
$ git clone https://github.com/RocketChat/Rocket.Chat.ReactNative.git
Cloning into 'Rocket.Chat.ReactNative'...
remote: Enumerating objects: 79499, done.
remote: Counting objects: 100% (2150/2150), done.
remote: Compressing objects: 100% (1315/1315), done.
error: RPC failed; curl 56 Recv failure: Connection was reset
error: 3056 bytes of body are still expected
fetch-pack: unexpected disconnect while reading sideband packet
fatal: early EOF
fatal: fetch-pack: invalid index-pack output

saud2@DESKTOP-BNFKJK2 MINGW64 /d/RocketChat
$ git clone https://github.com/RocketChat/Rocket.Chat.ReactNative.git
Cloning into 'Rocket.Chat.ReactNative'...
remote: Enumerating objects: 79499, done.
remote: Counting objects: 100% (2194/2194), done.
remote: Compressing objects: 100% (1350/1350), done.
remote: Total 79499 (delta 1331), reused 1458 (delta 783), pack-reused 77305
Receiving objects: 100% (79499/79499), 327.58 MiB | 8.00 MiB/s, done.
Resolving deltas: 100% (46638/46638), done.

saud2@DESKTOP-BNFKJK2 MINGW64 /d/RocketChat
$ |
```

- Open project in IDE and go into project folder through terminal:



The screenshot shows an IDE with a Gradle build script in the editor and a terminal window displaying a failed build error.

Gradle Build Script (build.gradle):

```
1 def taskRequests = getGradle().getStartParameter().getTaskRequests().toString().toLowerCase()
2 def isFoss = taskRequests.contains("foss")
3
4 apply plugin: "com.android.application"
5 apply plugin: 'kotlin-android'
6
7 if (!isFoss) {
8     apply plugin: 'com.google.firebase.crashlytics'
9     apply plugin: 'com.bugsnag.android.gradle'
10 }
11
12 import com.android.build.OutputFile
13
14 /**
15  * The react.gradle file registers a task for each build variant (e.g. bundleDebugJsAndAssets
16  * and bundleReleaseJsAndAssets).
17  * These basically call 'react-native bundle' with the correct arguments during the Android build
18  * cycle. By default, bundleDebugJsAndAssets is skipped, as in debug/dev mode we prefer to load the
19  * bundle directly from the development server. Below you can see all the possible configurations
20  * and their defaults. If you decide to add a configuration block, make sure to add it before the

Terminal Output:



```
* Try:
> Run with --stacktrace option to get the stack trace.
> Run with --info or --debug option to get more log output.
> Run with --scan to get full insights.
* Get more help at https://help.gradle.org

BUILD FAILED in 6m 4s
at makeError (D:\RocketChat\Rocket.Chat.ReactNative\node_modules\execa\index.js:174:9)
at D:\RocketChat\Rocket.Chat.ReactNative\node_modules\execa\index.js:278:16
at processTicksAndRejections (node:internal/process/task_queues:96:5)
at async runOnAllDevices (D:\RocketChat\Rocket.Chat.ReactNative\node_modules\react-native-community\cli-platform-android\build\commands\runAndroid\runOnAllDevices.js:109:5)
at async Command.handleAction (D:\RocketChat\Rocket.Chat.ReactNative\node_modules\react-native-community\cli\build\index.js:192:9)
info Run CLI with --verbose flag for more details.
error Command failed with exit code 1.
info Visit https://yarnpkg.com/en/docs/cli/run for documentation about this command.
```


```

- Connect your device and run yarn install to install all dependencies:

```
PROBLEMS 4 OUTPUT DEBUG CONSOLE TERMINAL PORTS
$ sh ./scripts/create-avd.sh
./scripts/create-avd.sh: line 3: /cmdline-tools/latest/bin/sdkmanager: No such file or directory
./scripts/create-avd.sh: line 5: /cmdline-tools/latest/bin/sdkmanager: No such file or directory
./scripts/create-avd.sh: line 6: /cmdline-tools/latest/bin/sdkmanager: No such file or directory
./scripts/create-avd.sh: line 8: /cmdline-tools/latest/bin/avdmanager: No such file or directory
./scripts/create-avd.sh: line 10: /c:/Users/saud2/.android/avd/Pixel_API_31_AOSP.avd/config.ini: No such file or directory
./scripts/create-avd.sh: line 11: /c:/Users/saud2/.android/avd/Pixel_API_31_AOSP.avd/config.ini: No such file or directory
./scripts/create-avd.sh: line 12: /c:/Users/saud2/.android/avd/Pixel_API_31_AOSP.avd/config.ini: No such file or directory
Pixel_API_31_AOSP created

saud2@DESKTOP-BNENJK2 MINGW64 /d/RocketChat/Rocket.Chat.ReactNative (develop)
$ yarn e2e:android-build-debug
yarn run v1.22.19
$ yarn detox build -c android.emu.debug
$ D:\RocketChat\Rocket.Chat.ReactNative\node_modules\.bin\detox build -c android.emu.debug
cd android ; ./gradlew assembleExperimentalPlayDebug assembleExperimentalPlayDebugAndroidTest -DtestBuildType=debug ; cd -
The system cannot find the path specified.
```

- Server running app at port 3000

```
=> App running at: http://localhost:3000/
[20200909-21:05:44.712(-7)?] [System] [startup]
[20200909-21:05:44.712(-7)?] [ ] +-----+
[20200909-21:05:44.712(-7)?] [ ] | SERVER RUNNING |
[20200909-21:05:44.713(-7)?] [ ] +-----+
[20200909-21:05:44.713(-7)?] [ ] | Rocket.Chat Version: 3.6.0 |
[20200909-21:05:44.713(-7)?] [ ] | NodeJS Version: 12.16.1 - x64 |
[20200909-21:05:44.713(-7)?] [ ] | MongoDB Version: 4.2.5 |
[20200909-21:05:44.713(-7)?] [ ] | MongoDB Engine: wiredTiger |
[20200909-21:05:44.713(-7)?] [ ] | Platform: linux |
[20200909-21:05:44.713(-7)?] [ ] | Process Port: 22222 |
[20200909-21:05:44.714(-7)?] [ ] | Site URL: http://localhost:3000/ |
[20200909-21:05:44.714(-7)?] [ ] | ReplicaSet OpLog: Enabled |
[20200909-21:05:44.714(-7)?] [ ] | Commit Hash: 071d72ebdc |
[20200909-21:05:44.714(-7)?] [ ] | Commit Branch: heads/3.6.0 |
[20200909-21:05:44.714(-7)?] [ ] |
```