

Upgrading React Native projects

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React Native EU
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I'm Pavlos.

pvinis on almost everything online.

I work with Sense Health making NiceDay

- I am involved with
- upgrade-helper
- rn-diff-purge
- react-native PRs

I love upgrading!

Expo exists

- It's awesome
- It helps people build apps without the need to go native
 - ...until you need to go native

Upgrading react on the web meant:

- Change the version number
- yarn install
- Does it work? 😊

Upgrading react native meant:

- Change the version number
- yarn install
- Does it work? 😊
- Fix native stuff
- Does it work now? 😊
- Upgrade libraries
- Does it work yet? 😏
- Fix libraries native stuff
- Does it work, please? 😩
- Google things
- Why don't you work already? 😭

I never liked using any of the **automated** tools 😅

I only used **rn-diff**

rn-diff-purge

- Stood on the shoulders of the people and repos before me
- Tries to remove all previous problems
- I wanted this for my projects

rn-diff-purge

- keeps a list of diffs `from` → `to` every release
- `generated` by a script
- each release gets a branch

rn-diff-purge

- Base of our current upgrade flow
- People already used the idea for `laravel` and `ignite` bowser
- Soon a template repo on github, ready to be cloned and reused

upgrade-helper

- Started as `purge-web`, just pointing to the `diff` file
- Allows to choose a `from` and a `to` release
- Gives all the changes of the `init template`
- Uses `rn-diff-purge`
- Steadily becoming `more awesome`

upgrade-helper

- Better visuals
- Github-like diff views
- See raw files and download
- file folding
- Links to release notes
- Notes explaining changes
- Logo and party popper 
- Support for rc releases

Upgrade flow

- Get notification for new release
- Read the release notes and change log
- Try npx react-native upgrade
- Get diff from upgrade-helper
- Go file-by-file and make the changes manually
- Start with config and js stuff, then iOS, then Android native
- Make sure any custom additions and modules are compatible and working
- Test to make sure things still work
- Use hooks or whatever cool new feature is in that new release or rc 💪

Wonderful people so far

@ncuillery @lucasbento @kelset @cpojer @thymikee @turnrye @grabbou @brentvatne @watadarkstar @iamrestrepo @mausworks
@KevinHu2014 @vinnyA3 @Jeanmsilva89 @RubenSandwich @Luckyuke @nirre7 @guhungry ...

- RN Core team
- RN Contributors community
- Sense Health

Wonderful people of tomorrow

@your_name_here

<https://github.com/react-native-community>, <https://github.com/react-native>

Look around, contribute:

- Make PRs
- Test out PRs
- Create issues
- Answer issues

Thank you ❤



Thank you ❤

- github.com/react-native-community (purge, upgrade-helper, cli)
- niceday.app (app I'm working on)
- github.com/pvinis/talk-upgrading-react-native (this talk)
- twitter.com/pvinis (my twitter)
- github.com/pvinis (my github)
- pvin.is (my blog, 🚧)
- pavlos.dev (my portfolio, 🚧)
- youtube.com/watch?v=wBp5_E7dsEY (video of me upgrading and explaining)

Extra links

- github.com/pvinis/template-diff-purge (template of the purge way)
- github.com/guhungry/laravel-diff-purge (uses the purge way)
- github.com/nirre7/ignite-bowser-diff-purge (uses the purge way)