

Installing Progressive Web Apps (PWA)

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PWA stands for Progressive Web Apps. PWA are web pages optimized for mobile devices using special technologies. Once installed they nearly feel like normal apps.

Unlike regular web pages PWA can work without an internet connection after installation. Using special browser interfaces, PWA can use services like camera, notification or location after the user has granted access.

PWA run on Android™ devices, on iPhones, but also on tablets and on standard Windows® computer with a modern web browser installed.

PWA are not installed via app stores, but via the web browser. The following pages show how to install PWA on different systems.

- **Installing PWA on Android devices** (Page 2)
- **Installing PWA on iPhones and iPads** (Page 3)
- **Installing PWA on Windows 10 with Google Chrome** (Page 4)

Once installed you will find the PWA in the standard app list of your Android device. Deinstallation works like for normal apps (open App Details).

For deinstallation on iPhones and iPads you just need to delete the icon. On Windows you can use the deinstatallation entry in the PWA 3dot menu.

Further information about PWA:

- <https://web.dev/progressive-web-apps/>
- <https://developer.mozilla.org/en-US/Apps/Progressive>
- <https://docs.microsoft.com/en-us/microsoft-edge/progressive-web-apps>

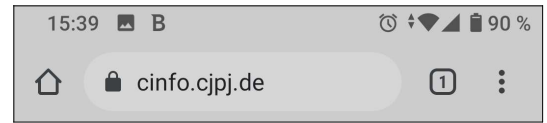
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- Google Chrome, Copyright 2021 Google LLC.
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- Microsoft®, Windows® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Installing PWA on Android devices

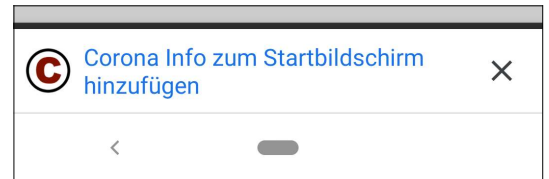
1. Open **Chrome Browser** on your mobile device.





2. Enter the **web address of the PWA** in your Chrome Browser, e.g. <https://cinfo.cjppj.de> and load the page.

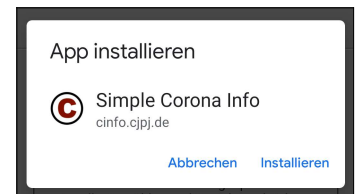


3. In about 1-2 seconds a message appears at the bottom of the Chrome browser:
... **Add to Home screen**

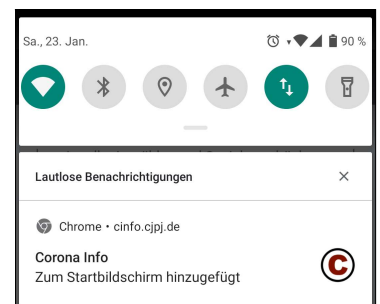


Alternatively open the top menu  and select  App installieren

4. Tap on this messages and in the following dialog tap on **Add**



5. After successful installation a message appears in the upper notification section:
... **Added to Home screen**



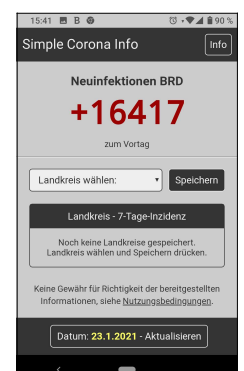
The PWA is also added to the list of all installed apps.

6. Close your Chrome Browser now.
7. On your mobile device there should now be an **icon for the PWA**.



8. To start the PWA just tap on the icon like you do it with a normal app.

The PWA will now start in full screen mode like a normal app.

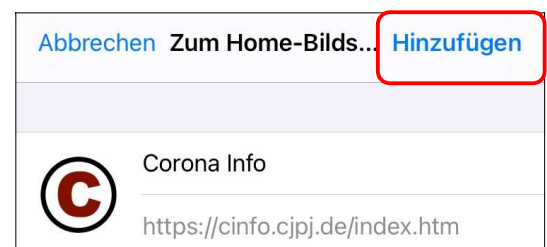


Installing PWA on iPhones and iPads

1. Open the [Safari Browser](#) on your iPhone.
2. Enter the [web address of the PWA](#) in your Safari Browser, e.g. <https://cinfo.cjppj.de> and load the page.
3. At the bottom of your Safari Browser tap on the middle [Share Symbol](#).
4. In the following dialog tap on [Add to Home Screen](#)



5. In the following dialog tap on the upper right [Add](#).

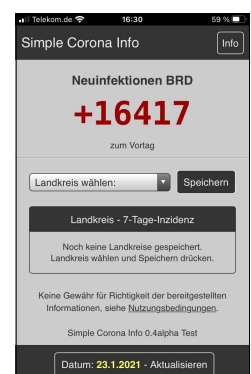


6. The Safari Browser closes automatically and on your iPhone you should now have an [Icon for the PWA](#).



7. To start the PWA just tap on the icon like you do it with a normal app.

The PWA will now start in full screen mode like a normal app.



Installing PWA on Windows 10 with Google Chrome

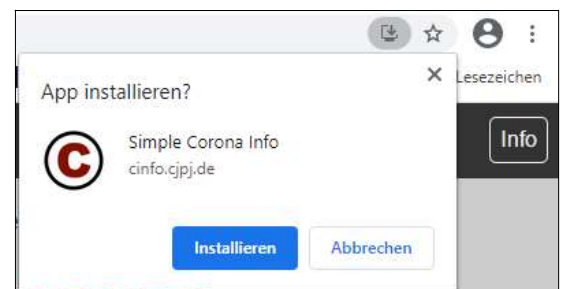
1. Open **Chrome Browser** on Windows 10.
2. Enter the **web address of the PWA** in your Chrome Browser, e.g. <https://cinfo.cjppj.de> and load the page.,



3. On the right side of the address field of the Chrome browser there is a small **Install Symbol**.



4. Click on this **Install Symbol** and in the next dialog click on **Install**.



5. The PWA will now be installed and starts right afterwards.

6. On your desktop you should now have an **Icon for the PWA**.



7. To start the PWA just doubleclick the icon like you do it with a normal program.

The PWA will now start like a normal program.

