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# Installation and Update

Updaten van c:geo - Hoe werkt updaten in c:geo?

c:geo machtigingen op apparaten – Waarom heeft c:geo de gevraagde machtigingen nodig op je apparaat?

c:geo Betaversie - Beta versies van c:geo

c:geo ontwikkeling - De onstabiele ontwikkelingsversie van c:geo

## Installatie van c:geo

Je hebt verschillende opties om c: geo te installeren. In de onderstaande tabel lees je welke mogelijkheden er zijn en hoe deze methoden werken:

Bron	Omschrijving
<a href="#">Google Play</a>	De eenvoudigste manier om c: geo te installeren en ook de regelmatige updates voor nieuwe versies te ontvangen. Als je een Google-account hebt en de Google Play-app op je apparaat gebruikt, kun je deze manier gebruiken om c: geo te installeren en bij te werken.
<a href="#">APK file</a>	Als je Google Play niet gebruikt (en ervaring hebt met de installatie van de directe app), kun je het APK-bestand van de laatste c: geo-versie downloaden van onze Github-repository.  Houd er rekening mee dat je in dit geval geen bijgewerkte versies van Google Play ontvangt. Je zult echter een <a href="#">notificatie</a> zien binnen de c:geo app wanneer jouw versie niet meer up to date is, maar zal de update handmatig moeten uitvoeren door het nieuwe APK-bestand te downloaden.
<a href="#">FDroid Repository</a>	Dit is voor gevorderde gebruikers die hun eigen versie willen bouwen op basis van FDroid en weten wat ze doen.

## Permissions

During the installation process or when first starting the app (depending on Android version) you will be informed and need to agree, that c:geo needs certain permissions on your device:

Permission	Explanation
Location	Of course c:geo needs access to the GPS on your device to locate your position and calculate distance and direction to geocaches.
Photos/Media/Files	c:geo will write data onto your phone storage or SD card as soon as you save geocaches for offline use. Furthermore c:geo will use your phone storage for import and export of files and reading of offline maps. In case you attach a photo to a log, c:geo needs to use your device camera.



Make sure to grant these permissions as otherwise c:geo will not work as expected!

## Update

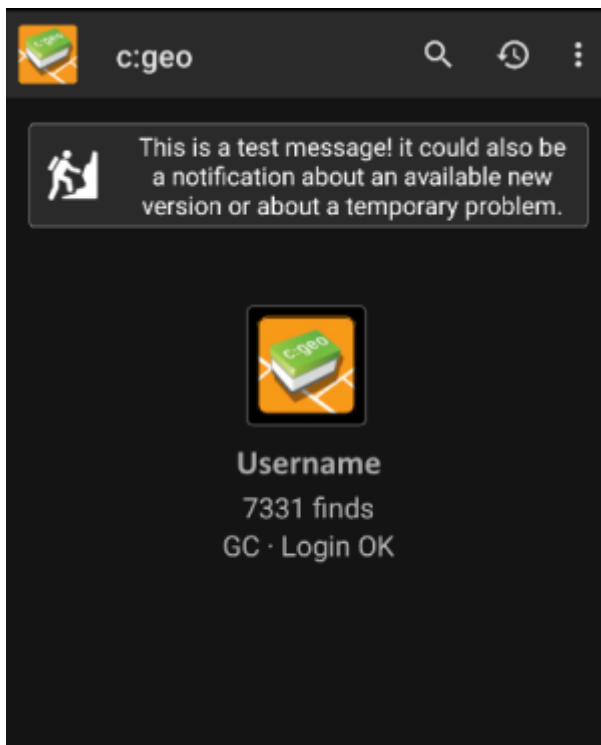
From time to time we will release an updated version of c:geo.



We recommend that you update your installation as soon as possible if a new release is available, as older versions might no longer work as expected (e.g. in case of an urgent bugfix or a server-side change).

If you installed c:geo from Google Play you will receive an update notification from the Google Play app, as soon as a new version is available. You can simply follow that notification or open c:geo in the Google Play app to update your c:geo installation.

Additionally c:geo uses a notification system to make you aware of new versions or temporary problems. You might then see a message like this on your c:geo main screen:



You can click on the message to get more information (optionally available in case of temporary problems) or be taken to Google Play for updating your installation (in case of an update notification).

## Beta version

If a new version is considered to be ready to be released (a so called “Release candidate”), we might in a first step make it available as beta version to get user feedback and be able to find bugs or problems we did not yet see during the development.



Usually these beta versions are stable, still there is a small possibility that not all functions work as expected. However we encourage you to use them, as this really helps us a lot!

The beta versions are also distributed over Google Play and work seamlessly together with updating from and to our release versions automatically. All you need to do is enable beta testing for c:geo on Google Play by following this link:

[Become beta tester for c:geo!](#)

After you activated the beta testing, you will receive beta versions alongside with the official versions via Google Play. This means, that you will still receive all official versions but also additionally receive an update if a newer beta version is available. Furthermore you can as a beta tester send us your feedback and problem reports via a dedicated Google Play feedback form.

While you are subscribed to the beta testing Google Play (for some reason) always shows c:geo (Beta) in the store entry, also while we currently might not even have an active beta version but you are on the official release version. If you look into [About c:geo](#) you can check if you are currently using a beta version: If there is a suffix -RC in the version number, it is a beta version.

If you wish to discontinue beta testing just use the link above and deselect the beta testing mode. Afterwards you might need to uninstall the beta version from your device and reinstall the normal version from Google Play.

## Development version

Check the [development section of our homepage](#) to learn more about development versions and our so called nightly builds.