

This is the Meteor package that provides hot code push (HCP) functionality.

Every Meteor application that wasn't created with the `--minimal` option has this package already through `meteor-base` and HCP should work out of the box. For those running `--minimal` applications and want to benefit from this package, just add it with `meteor add autoupdate`.

*`autoupdate` adds up to 30KB on your client's production bundle.*

With this package Meteor will use DDP to publish a collection called `'meteor_autoupdate_clientVersions'`. This collection will be subscribed by the user's client and every time the client identifies a change in the published version it will refresh itself.

## Browser Client

The refresh will happen in the browser in two different ways: a *soft update*, and a *hard update*. If Meteor identifies that only stylesheets were changed, then it will verify if the user's browser is capable of reloading CSS on the fly, and a soft update will take place. The soft update will replace the old stylesheet with the new stylesheet without triggering a full page reload.

In cases where a change in a server's or client's compiled file happens, the hard update will take place: Meteor will force a complete browser reload using the `reload` package.

*Among other things, the `reload` package tries to reload the application preserving some unchanged cached files.*

## Cordova Client

There is no soft update with Cordova apps, the client is always fully refreshed once a change is detected.

### `usesCleartextTraffic`

Starting with Android 9 (API level 28), [cleartext support is disabled](#) by default. During development `autoupdate` uses cleartext to publish new client versions. If your app targets Android 9 or greater, it will be necessary to create a `mobile-config.js` file enabling the use of cleartext in order to have HCP working:

```
App.appendToConfig(`<edit-config file="app/src/main/AndroidManifest.xml"
    mode="merge"
    target="/manifest/application"
    xmlns:android="http://schemas.android.com/apk/res/android">
    <application android:usesCleartextTraffic="true"></application>
</edit-config>`);
```

### `--mobile-server`

Additionally, for the HCP functionality to work it is also mandatory to provide the address for the application server with `--mobile-server` option. If you're testing your app on an emulator you should run it with `meteor run android --mobile-server 10.0.2.2:3000`. If you're running it on a real device, the application server and the device should be on the same network, and you should run your app with `meteor run android --mobile-server XXX.XXX.XXX.XXX` where `XXX.XXX.XXX.XXX` is your local development address, e.g. `192.168.1.4`.

To have a better understanding of how HCP works for mobile apps already published to production refer to [Hot code push on mobile](#)