

# Goma

*Goma is a distributed compiler service for open-source projects such as Chromium and Android.*

Electron has a deployment of a custom Goma Backend that we make available to all Electron Maintainers. See the [Access](#) section below for details on authentication. There is also a `cache-only` Goma endpoint that will be used by default if you do not have credentials. Requests to the cache-only Goma will not hit our cluster, but will read from our cache and should result in significantly faster build times.

## Enabling Goma

Currently the only supported way to use Goma is to use our [Build Tools](#). Goma configuration is automatically included when you set up `build-tools`.

If you are a maintainer and have access to our cluster, please ensure that you run `e init` with `--goma=cluster` in order to configure `build-tools` to use the Goma cluster. If you have an existing config, you can just set `"goma": "cluster"` in your config file.

## Building with Goma

When you are using Goma you can run `ninja` with a substantially higher `-j` value than would normally be supported by your machine.

Please do not set a value higher than **200**. We monitor Goma system usage, and users found to be abusing it with unreasonable concurrency will be de-activated.

```
ninja -C out/Testing electron -j 200
```

If you're using `build-tools`, appropriate `-j` values will automatically be used for you.

## Monitoring Goma

If you access <http://localhost:8088> on your local machine you can monitor compile jobs as they flow through the goma system.

## Access

For security and cost reasons, access to Electron's Goma cluster is currently restricted to Electron Maintainers. If you want access please head to `#access-requests` in Slack and ping `@goma-squad` to ask for access. Please be aware that being a maintainer does not *automatically* grant access and access is determined on a case by case basis.

## Uptime / Support

We have automated monitoring of our Goma cluster and cache at <https://status.notgoma.com>

We do not provide support for usage of Goma and any issues raised asking for help / having issues will *probably* be closed without much reason, we do not have the capacity to handle that kind of support.