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Thread: [DDoS protection on NGINX](#)

HitMyHide - February 16, 2021, 4:15 am

limit_conn

In the http section, the limit_conn_zone shared memory zone is set:

Cod:

```
limit_conn_zone $binary_remote_addr zone=addr:10m;
```

Further, already in the server or location, the number of allowable simultaneous connections from one ip-address is described:

using limit_conn:

Cod:

```
location /download/ { # file folder
```

```
limit_conn addr 1; # we allow no more than one connection from one IP address
```

```
}
```

You can set several limit_conn settings in one config.

Cod:

```
limit_conn_zone $binary_remote_addr zone=perip:10m;
```

```
limit_conn_zone $server_name zone=perserver:10m;
```

```
server {
```

```
...
```

```
limit_conn perip 10; // set a restriction for IP
```

```
limit_conn perserver 100; // set limits for the entire virtual host
```

```
}
```

limit_req

We set the shared memory zone and the maximum number of requests per second in the http section.

Cod:

```
limit_req_zone $binary_remote_addr zone=one:10m rate=2r/s; # limit 2 requests per second
```

We set a restriction for certain sections and scripts on the site:

Cod:

```
server {
```

...

search section limitation

location /search/ {

limit_req zone=one burst=5; # burst

indicates the maximum excess of the limit, so if 5 requests came from the address in 1 second, then the next second the request will not be processed, if no bursts are provided then the nodelay parameter is set instead of burst=5

}