NGINX: Active Health Check in NGINX

NGINX : Web-Server & Load Balancer

➤ **Active Health Check -** NGINX Plus can periodically check the health of upstream servers by sending special health–check requests to each server and verifying the correct response.

➤ This is not available with Open-Source NGINX.

➤ **health_check** Directive - This is used to send the active health check on Upstream Servers.

```
server {                server {
  location / {            location / {
    proxy_p                 proxy_pass http://backend;
    health_                 health_check port=8080;
  }                       }
}                       }
```

➤ **Active Health Check -** Interval, fails and passes health check.

```
server {
    location / {
        proxy_pass http://backend;
        health_check interval=10 fails=3 passes=2;
    }
}
```

➤ Specify Request URI-

```
server {
    location / {
        proxy_pass http://backend;
        health_check uri=/some/path;
    }
}
```

➤ Custom Condition- User can set custom conditions that the response must satisfy for the server to pass the health check.

```
http {
    #...
    match server_ok {
        status 200-399;
        body !~ "maintenance mode";
    }
    server {
        #...
        location / {
            proxy_pass http://backend;
            health_check match=server_ok;
        }
    }
}
```

See you in next lecture …