

# NGINX

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*NGINX: Active Health Check in NGINX*

## NGINX : Web-Server & Load Balancer

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- **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 {  
    location / {  
        proxy_pass http://backend;  
        health_check port=8080;  
    }  
}
```

## NGINX : Web-Server & Load Balancer

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- 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;  
    }  
}
```

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- 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;  
        }  
    }  
}
```

*Will see you in Next Lecture...*

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*Thank you!*

A close-up photograph of a hand holding a black marker, completing the cursive word 'Thank you!' on a white piece of paper. The marker is positioned at the end of the exclamation mark, and the hand is visible on the right side of the frame.

*See you in next lecture ...*