

Nginx Cheatsheet

Access & Configuration

View Nginx Configuration

```
cat /etc/nginx/nginx.conf
```

Check Nginx Configuration Syntax

```
nginx -t
```

Reload Nginx Configuration

```
sudo nginx -s reload
```

Edit Nginx Configuration

```
sudo nano /etc/nginx/nginx.conf
```

View Site Configuration

```
cat /etc/nginx/sites-available/default
```

Status & Monitoring

Check Nginx Service Status

```
systemctl status nginx
```

Start Nginx Service

```
sudo systemctl start nginx
```

Stop Nginx Service

```
sudo systemctl stop nginx
```

Restart Nginx Service

```
sudo systemctl restart nginx
```

Enable Nginx to Start on Boot

```
sudo systemctl enable nginx
```

Check Nginx Process

```
ps aux | grep nginx
```

Logs

View Access Logs

```
tail -f /var/log/nginx/access.log
```

View Error Logs

```
tail -f /var/log/nginx/error.log
```

Search Access Logs

```
grep 'search-term' /var/log/nginx/access.log
```

Count Requests by IP

```
cat /var/log/nginx/access.log | awk '{print $1}' | sort |  
uniq -c | sort -nr
```

Performance & Connections

Check Open Connections

```
netstat -an | grep :80 | wc -l
```

Check Nginx Worker Processes

```
ps -ef | grep nginx | grep worker | wc -l
```

Check Nginx Listen Ports

```
netstat -tulpn | grep nginx
```

Metrics & Statistics

Enable Stub Status

```
Add 'location /nginx_status { stub_status on;}' to  
server block
```

View Stub Status

```
curl http://localhost/nginx_status
```

Count HTTP Status Codes

```
cat /var/log/nginx/access.log | cut -d '"' -f3 | cut -d ' ' -f2  
| sort | uniq -c | sort -nr
```