

# Proxy Server Quick Reference

For Ethical Hackers

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## Squid Installation

### Install Squid:

```
bash
sudo apt update
sudo apt install squid
```

### Service Management:

```
bash
sudo systemctl restart squid
sudo systemctl status squid
sudo systemctl enable squid
```

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## Configuration

### Edit config file:

```
bash
sudo vim /etc/squid/squid.conf
```

### Key Settings:

```
http_access allow localnet
acl localnet src 192.168.0.0/16
acl localnet src 192.168.2.0/24
```

**Default port:** 3128

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# Browser Configuration

## Firefox Settings:

1. Settings → Network Settings
  2. Manual proxy configuration
  3. HTTP Proxy: [Squid server IP]
  4. Port: 3128
  5. Check "Also use this proxy for HTTPS"
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# Monitoring & Logs

## View access logs:

```
bash
sudo tail -f /var/log/squid/access.log
```

## Check current IP:

```
bash
ifconfig
```

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# Proxy Types

- **Forward Proxy:** Client to external networks
  - **Reverse Proxy:** Server load balancing
  - **Transparent:** Monitoring (doesn't hide IP)
  - **Anonymous:** Hides IP address
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# Important Notes

- Squid manages **internal** network traffic by default

- Does **not** change external IP address
- For anonymity: combine with external proxies/Proxychains
- Always monitor logs for suspicious activity