# **Creating a Tor Service**

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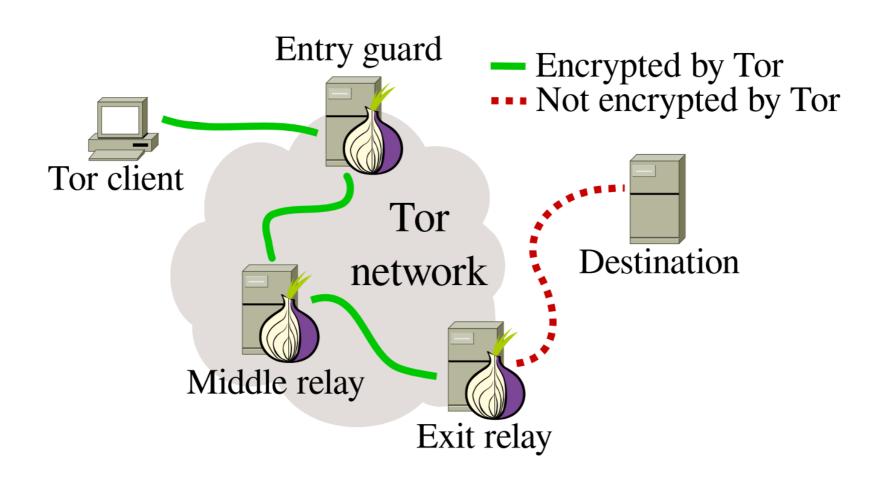
### Index

How does Tor work between servers?

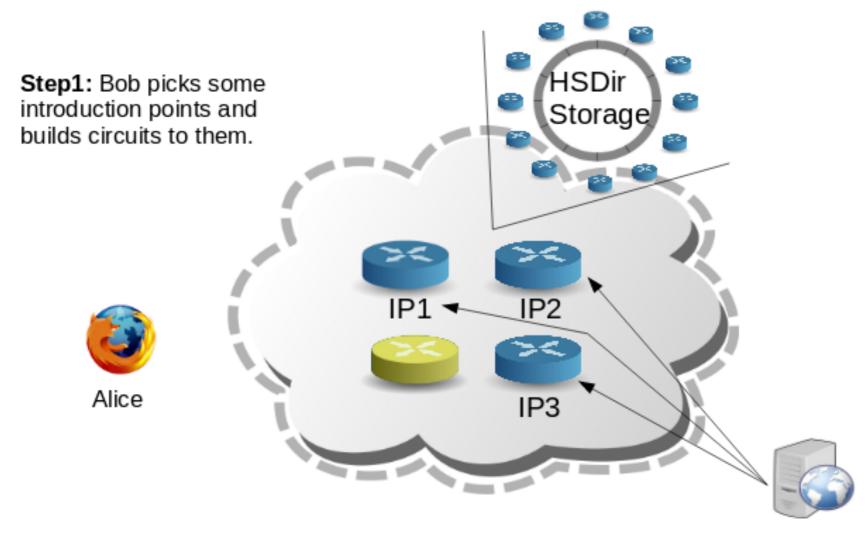
How having a hidden service works?

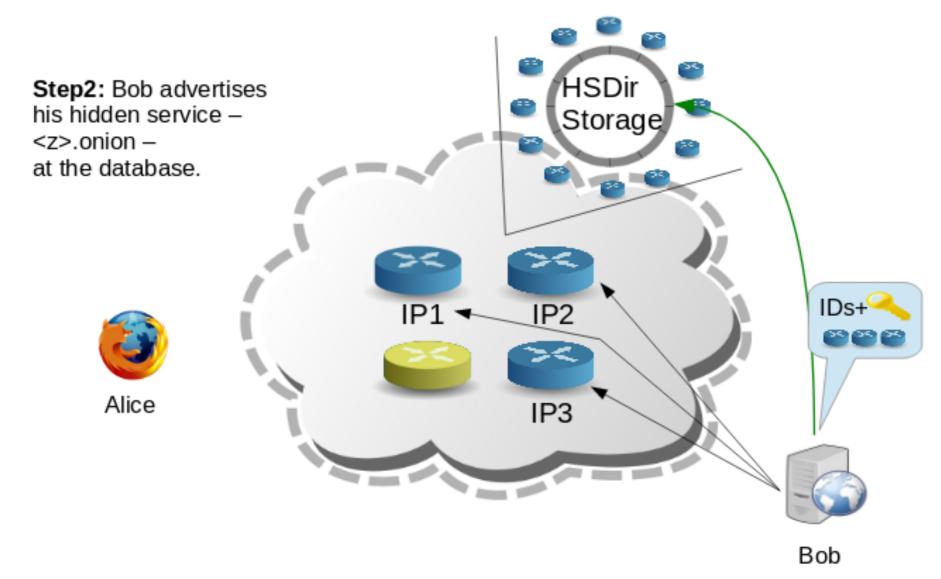
Installation

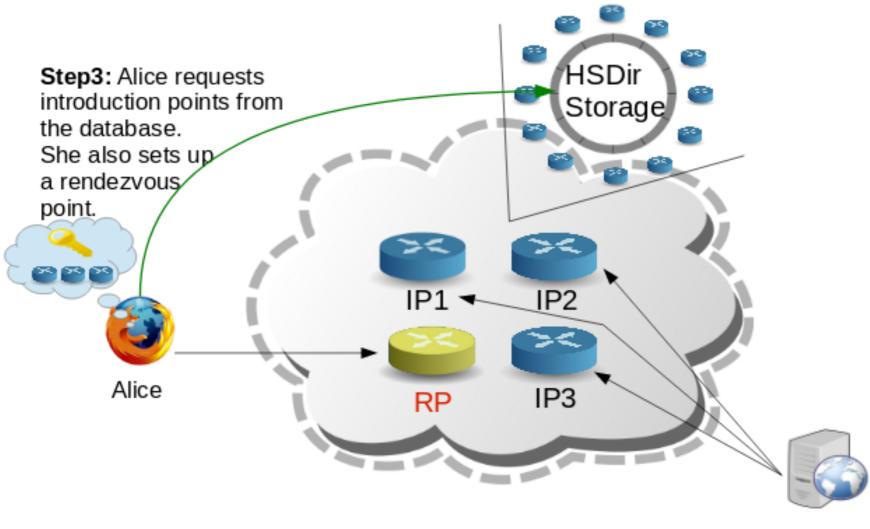
# Choosing the path

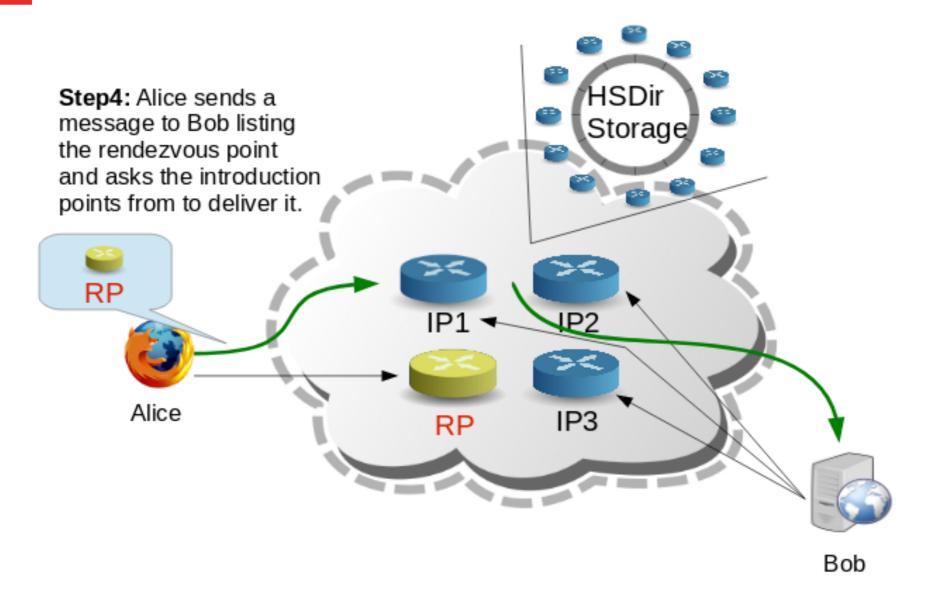


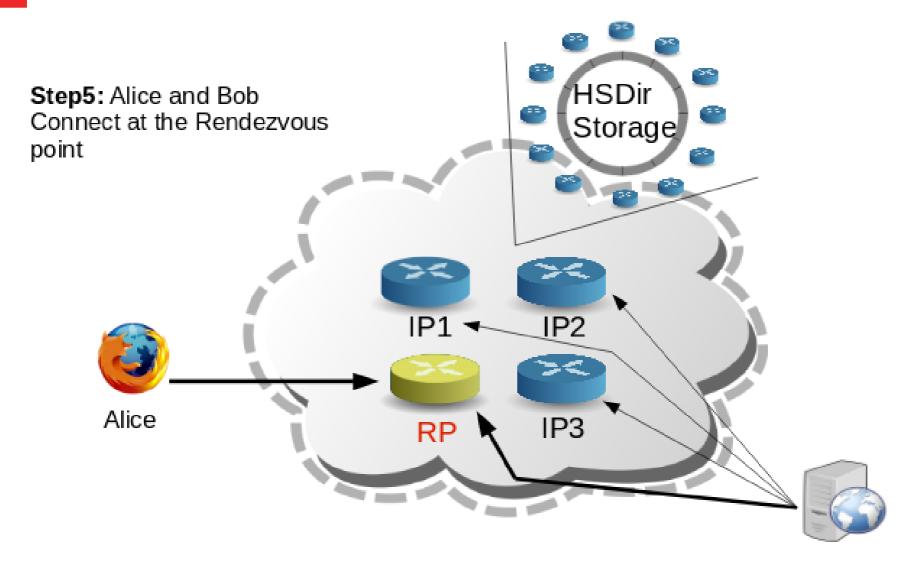












### Installation



# **Installation - Nginx**

### 1. Install Nginx

```
root@valkyrie:~# apt-get install nginx
```

2. Current configuration backup

```
root@valkyrie:~# cp /etc/nginx/sites-available/default
/etc/nginx/sites-available/default.old
```

3. New configuration from scratch

```
root@valkyrie:~# rm /etc/nginx/sites-available/default
root@valkyrie:~# vim /etc/nginx/sites-available/default
```

# **Installation - Nginx**

```
server
        listen 127.0.0.1:8080 default server;
        server name localhost;
        root /usr/share/nginx/html;
        index index.html;
        location / {
                allow 127.0.0.1;
                deny all;
```

```
root@valkyrie:~# lsb_release -a
No LSB modules are available.
Distributor ID: Kali
Description: Kali GNU/Linux Rolling
Release: kali-rolling
Codename: kali-rolling
```

<i>I run</i> Debian sta	ble (stretch)	~	and want	Tor	~	version
stable	~					

### 1. Install from apt

```
root@valkyrie:~# vim /etc/apt/sources.list
```

```
deb https://deb.torproject.org/torproject.org stretch main
deb-src https://deb.torproject.org/torproject.org stretch main
```

### 2. Exchange keys

```
root@valkyrie:~# gpg --keyserver keys.gnupg.net --recv A3C4F0F979CAA22CDBA8F512EE8CBC9E886DDD89
gpg: keybox '/root/.gnupg/pubring.kbx' created
gpg: key EE8CBC9E886DDD89: 1 duplicate signature removed
gpg: key EE8CBC9E886DDD89: 78 signatures not checked due to missing keys
gpg: /root/.gnupg/trustdb.gpg: trustdb created
gpg: key EE8CBC9E886DDD89: public key "deb.torproject.org archive signing key" imported
gpg: no ultimately trusted keys found
gpg: Total number processed: 1
gpg: imported: 1
root@valkyrie:~# gpg --export A3C4F0F979CAA22CDBA8F512EE8CBC9E886DDD89 | sudo apt-key add -
OK
```

3. Install (obviusly)

```
root@valkyrie:~# apt install tor deb.torproject.org-keyring
```

4. Also install the .tar

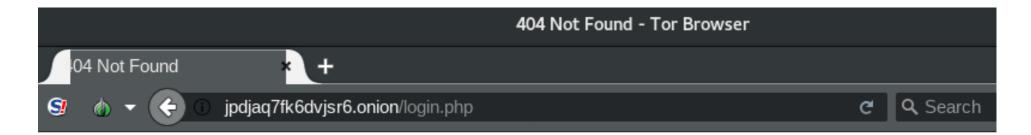
### root@valkyrie:~# vim /etc/tor/torrc

### 5. Restart

```
root@valkyrie:~# service nginx restart
root@valkyrie:~# service tor restart
```

### 6. Surprise

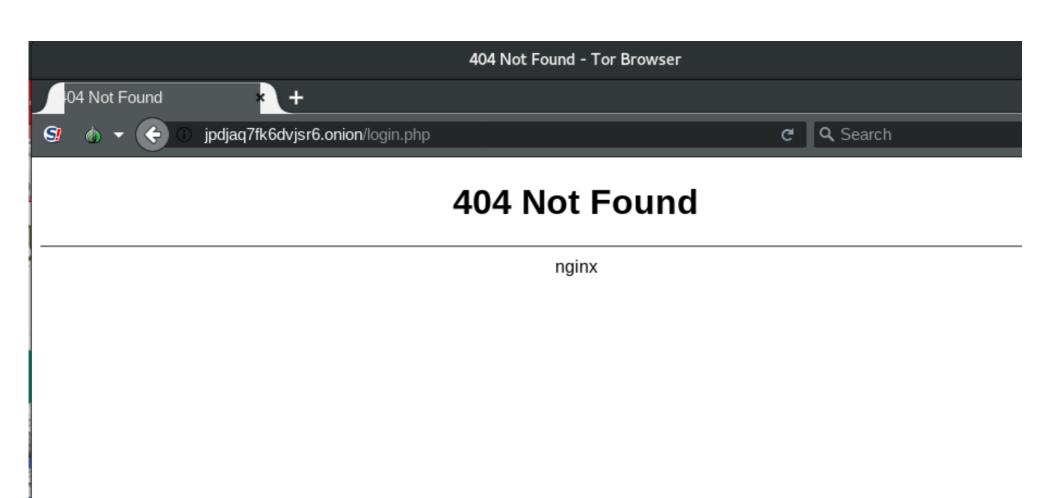


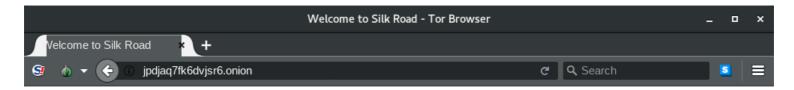


### 404 Not Found

nginx/1.13.12

```
server {
        listen 127.0.0.1:8080 default server;
        server name localhost;
        root /usr/share/nginx/html;
        index index.html index.html;
        server tokens off;
        location / {
                allow 127.0.0.1;
                deny all;
```





### Welcome to Silk Road

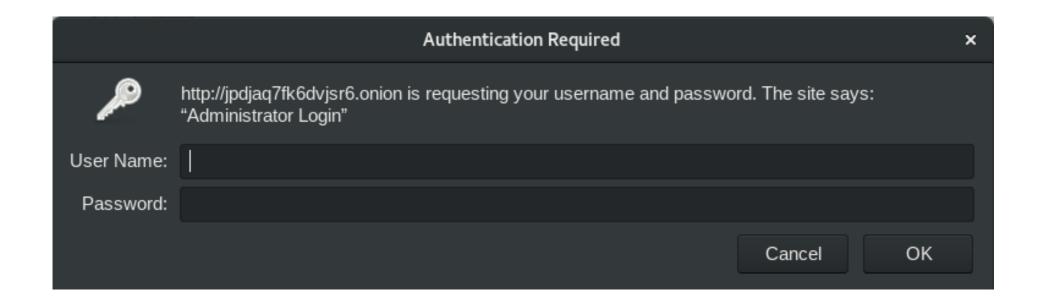


**Anonymous Market Place** 

### 1. Create new password

```
root@valkyrie:~# perl -le 'print crypt("admin1", "1xzcq")'
1xlkpf6ZgGiVU
```

```
root@valkyrie:~# cat .htpasswd
admin1:1xlkpf6ZgGiVU
```



```
root@valkyrie:~# cat /etc/nginx/sites-enabled/default
|server {
        listen 127.0.0.1:8080 default server;
        server name localhost;
        root /usr/share/nginx/html;
        access_log /var/log/nginx/localhost.access.log;
        error log /var/log/nginx/localhost.error.log;
        index index.html index.html;
        server tokens off;
        auth basic "Administrator Login";
        auth basic user file /root/.htpasswd;
        location / {
                allow 127.0.0.1;
                deny all;
```

### Welcome to Silk Road



### **End**





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in accordance with a seizure warrant obtained by the
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and issued pursuant to 18 U.S.C. § 983(j) by the
United States District Court for the Southern District of New York





