Creating a Tor Service

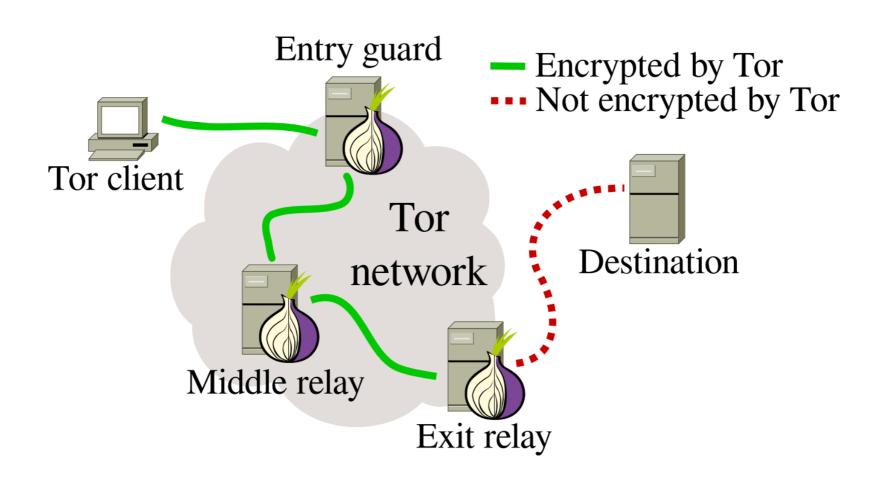
Index

How does Tor work between servers?

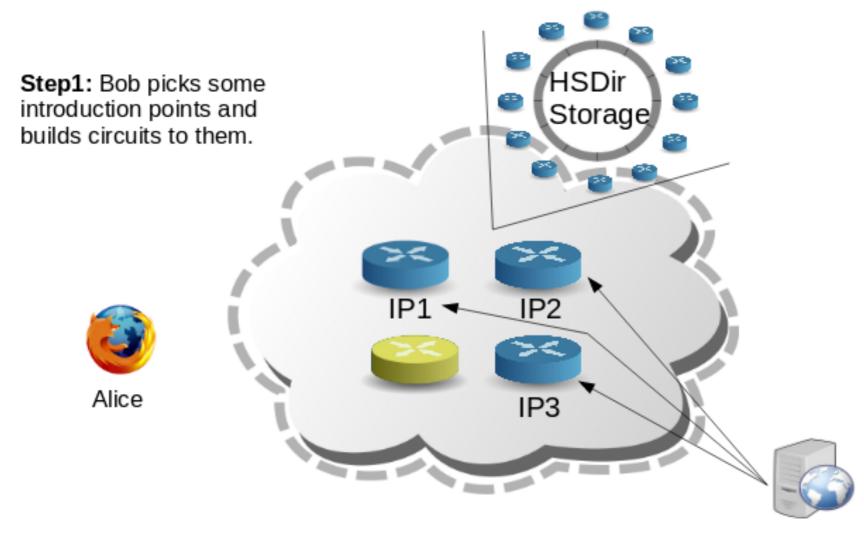
How having a hidden service works?

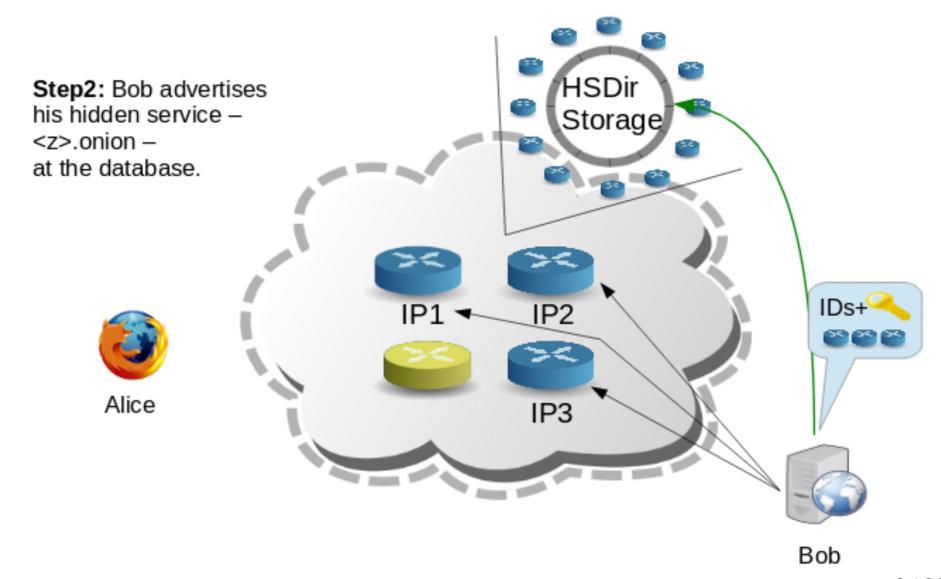
Installation

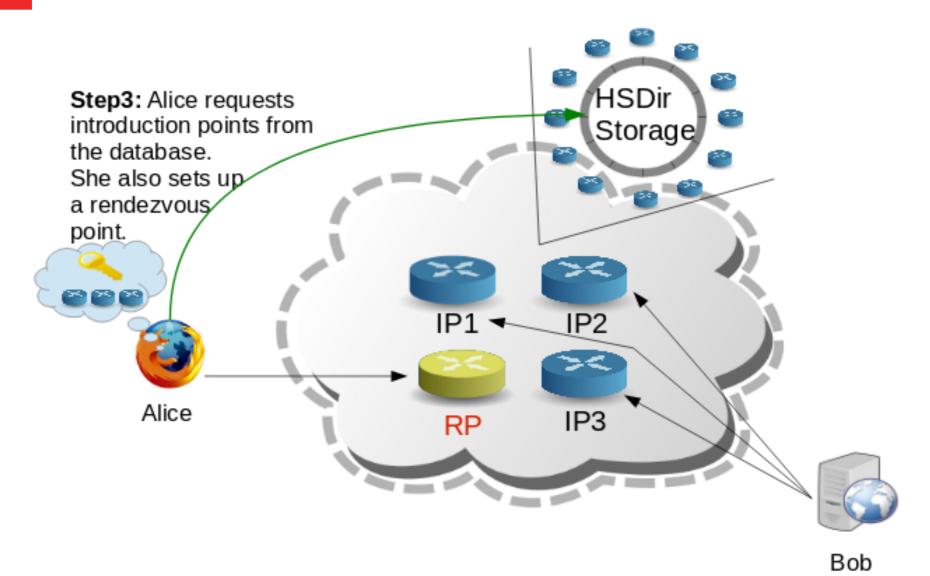
Choosing the path

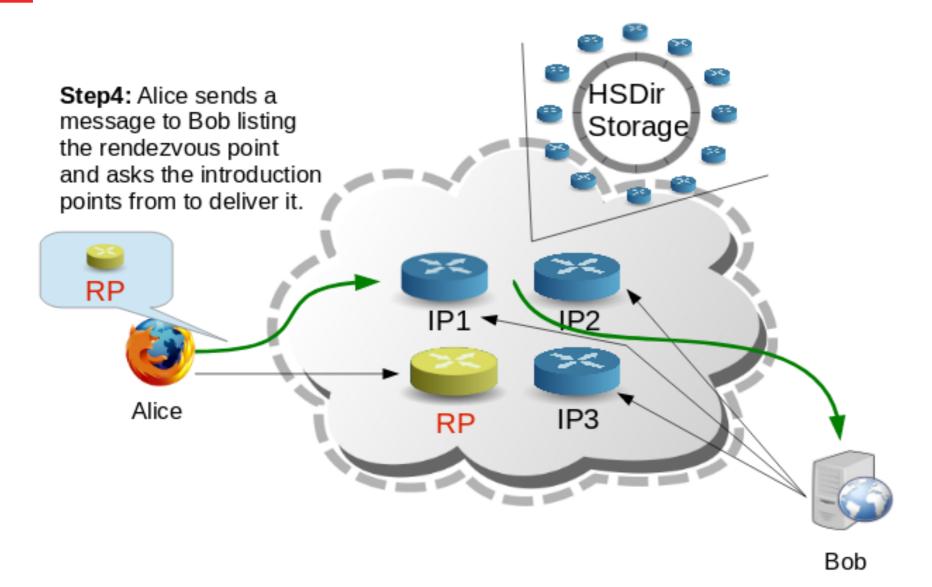


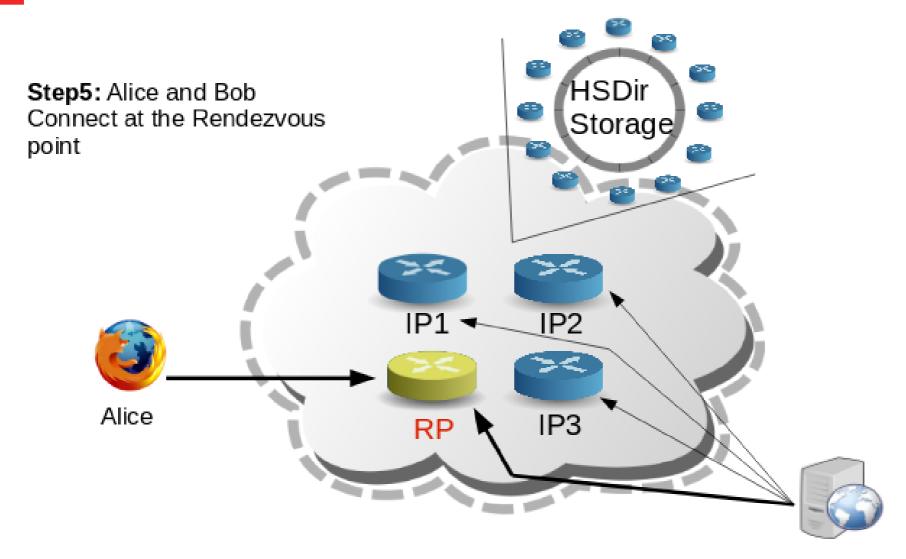












Installation



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
```

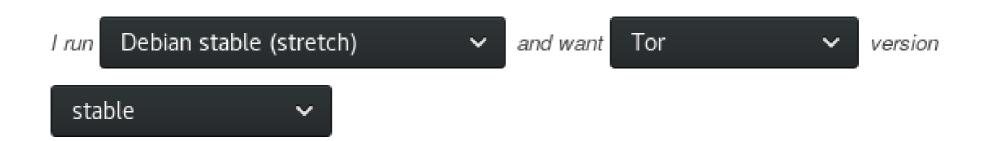
3. New configuration from scratch

```
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
```



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

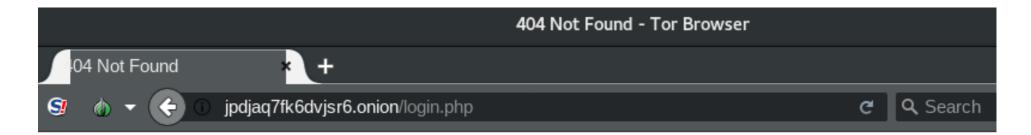
```
########### This section is just for location-hidden services ###
## Once you have configured a hidden service, you can look at the
## contents of the file ".../hidden service/hostname" for the address
## to tell people.
## HiddenServicePort x y:z says to redirect requests on port x to the
## address y:z.
HiddenServiceDir /var/lib/tor/hidden service/
HiddenServicePort 80 127.0.0.1:8080
#HiddenServiceDir /var/lib/tor/other hidden service/
#HiddenServicePort 80 127.0.0.1:80
#HiddenServicePort 22 127.0.0.1:22
```

5. Restart

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

6. Surprise

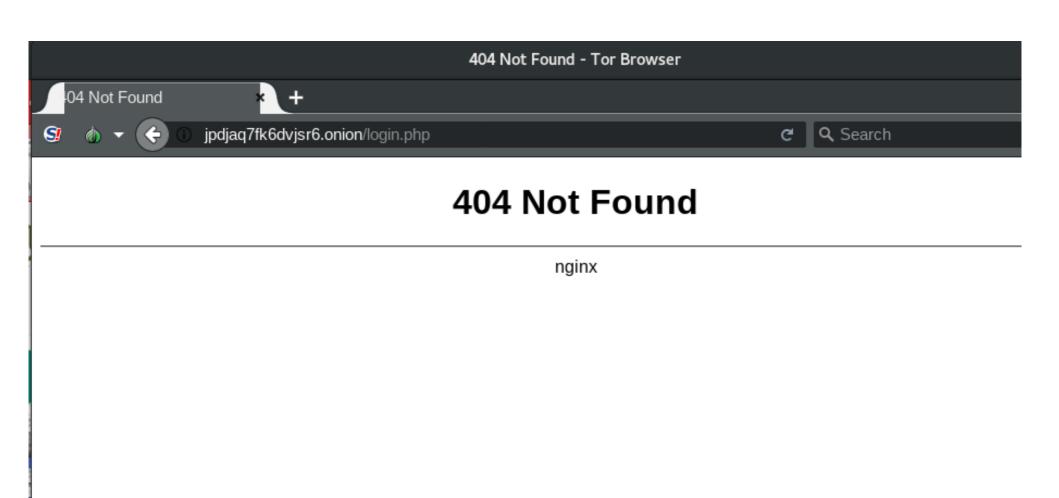


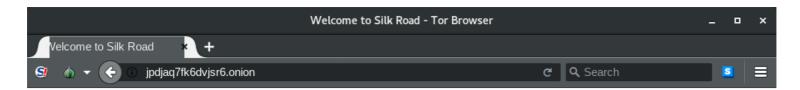


404 Not Found

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

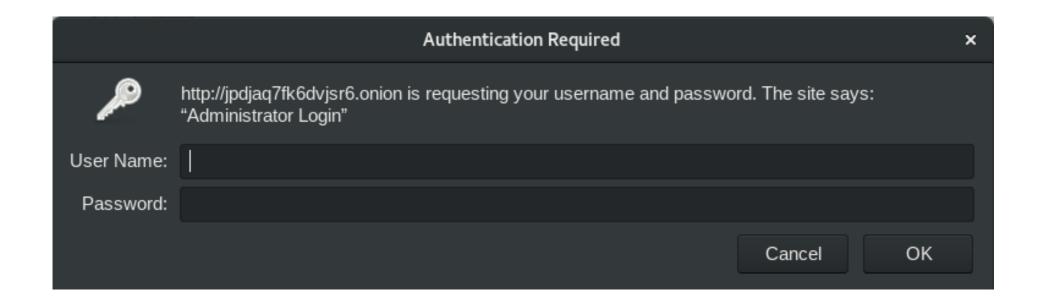


Anonymous Market Place

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





THIS HIDDEN SITE HAS BEEN SEIZED

by the Federal Bureau of Investigation,
in conjunction with the IRS Criminal Investigation Division,
ICE Homeland Security Investigations, and the Drug Enforcement Administration,
in accordance with a seizure warrant obtained by the
United States Attorney's Office for the Southern District of New York
and issued pursuant to 18 U.S.C. § 983(j) by the
United States District Court for the Southern District of New York





