

FreeBSD Administration - Support #731

Install a Transmission Bittorrent Server on FreeBSD

01/22/2016 03:20 PM - Daniel Curtis

Status:	Suspended	Start date:	01/22/2016
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	30%
Category:		Estimated time:	1.50 hour
Target version:	FreeBSD 9	Spent time:	1.00 hour

Description

This is a guide on installing the Transmission bittorrent client with the web interface on FreeBSD 9.

Prepare the Environment

- Make sure the system is up to date:

```
pkg update && pkg upgrade
```

Install Transmission

- Install the transmission daemon and web packages:

```
pkg install transmission-daemon transmission-cli transmission-web
```

- Create the directories for the torrents to download to:

```
mkdir -p /var/torrents/{complete,incomplete}
chown -R transmission:transmission /var/torrents
```

- Create a new transmission config file:

```
vi /usr/local/etc/transmission/home/settings.json
```

- And add the following:

```
{
  "alt-speed-down": 50,
  "alt-speed-enabled": false,
  "alt-speed-time-begin": 540,
  "alt-speed-time-day": 127,
  "alt-speed-time-enabled": false,
  "alt-speed-time-end": 1020,
  "alt-speed-up": 50,
  "bind-address-ipv4": "0.0.0.0",
  "bind-address-ipv6": ":::",
  "blocklist-enabled": true,
  "blocklist-url": "http://list.iblocklist.com/?list=bt_level1&fileformat=p2p&archiveformat=gz",
  "cache-size-mb": 4,
  "dht-enabled": true,
  "download-dir": "/var/torrents/complete",
  "download-limit": 100,
  "download-limit-enabled": 0,
```

```
"encryption": 2,  
"idle-seeding-limit": 30,  
"idle-seeding-limit-enabled": false,  
"incomplete-dir": "/var/torrents/incomplete",  
"incomplete-dir-enabled": true,  
"lpd-enabled": false,  
"max-peers-global": 200,  
"message-level": 2,  
"peer-congestion-algorithm": "",  
"peer-limit-global": 240,  
"peer-limit-per-torrent": 60,  
"peer-port": 51413,  
"peer-port-random-high": 65535,  
"peer-port-random-low": 49152,  
"peer-port-random-on-start": false,  
"peer-socket-tos": "default",  
"pex-enabled": true,  
"port-forwarding-enabled": true,  
"preallocation": 1,  
"prefetch-enabled": 1,  
"ratio-limit": 2,  
"ratio-limit-enabled": false,  
"rename-partial-files": true,  
"rpc-authentication-required": true,  
"rpc-bind-address": "0.0.0.0",  
"rpc-enabled": true,  
"rpc-password": "SuperSecretPassword",  
"rpc-port": 9091,  
"rpc-url": "/",  
"rpc-username": "username",  
"rpc-whitelist": "127.0.0.1, *.*.*.*",  
"rpc-whitelist-enabled": false,  
"script-torrent-done-enabled": false,  
"script-torrent-done-filename": "",  
"speed-limit-down": 100,  
"speed-limit-down-enabled": false,  
"speed-limit-up": 100,  
"speed-limit-up-enabled": false,  
"start-added-torrents": true,  
"trash-original-torrent-files": false,  
"umask": 18,  
"upload-limit": 100,  
"upload-limit-enabled": 0,  
"upload-slots-per-torrent": 14,  
"utp-enabled": true  
}
```

- **NOTE:** I needed to set the `net.inet.udp.recvspace` sysctl to a higher value:

```
vi /etc/sysctl.conf
```

- And add the following to the end of the file:

```
net.inet.udp.recvspace=4194304
```

- Start and enable transmission at boot:

```
echo 'transmission_enable="YES"' >> /etc/rc.conf  
service transmission start
```

- Open a web browser and go to <http://transmission.example.com:9091>

Resources

- <http://abyrne.me/setting-up-a-transmission-web-interface-on-a-headless-ubuntu-server/>
- <http://www.htpbeginner.com/install-transmission-web-interface-on-ubuntu-1204/2/>
- <http://pynej.blogspot.com/2010/02/set-up-transmission-daemon-bittorrent.html>

History

#1 - 01/22/2016 04:01 PM - Daniel Curtis

- % Done changed from 0 to 30

#2 - 03/15/2016 01:40 PM - Daniel Curtis

- Status changed from New to Suspended

#3 - 08/03/2016 09:35 PM - Daniel Curtis

- Description updated