

## Servers - Bug #611

### [rsyncd] Reenable, properly limit bandwidth

2014-12-11 08:47 PM - mtjm

<b>Status:</b> fixed	<b>% Done:</b> 100%
<b>Priority:</b> critical	
<b>Assignee:</b>	
<b>Category:</b>	
<b>Description</b> Mirrors use too much bandwidth when they synchronize packages with repo, so there are huge latencies at ssh and other services. Per-connection bandwidth limiting is not useful when a single mirror uses several connections at once.  Find a proper solution (use iptables? have rsync access from only one primary mirror?), implement it and start rsyncd.socket at repo.	
<b>Related issues:</b>	
Related to Servers - Bug #889: [rsyncd] prevent a single mirror from taking a...	<b>fixed</b> <b>2015-12-11</b>
Related to Servers - Bug #531: Suggestion to mirror hosts: sync from hosts ot...	<b>open</b> <b>2014-05-30</b>

#### History

##### #1 - 2014-12-11 09:51 PM - alfplayer

mtjm | re-enabled rsyncd, now at --bwlimit=128 until someone finds a better solution

128 KB/s seems too low. I would limit the web access if it helps increase that number (HTTP mirrors can be used anyway) because the web interface is not essential in my opinion. Maybe this works: [http://nginx.org/en/docs/http/nginx\\_http\\_core\\_module.html#limit\\_rate](http://nginx.org/en/docs/http/nginx_http_core_module.html#limit_rate)

##### #2 - 2014-12-11 09:57 PM - mtjm

128 KB/s seems too low.

768 KiB/s is too high: there were several connections used at once. We cannot limit total bandwidth usage in per-connection rsyncd settings.

I would limit the web access if it helps increase that number (HTTP mirrors can be used anyway) because the web interface is not essential in my opinion.

It's already less than used by rsync.

We need some automated per-port statistics, all that I wrote here is based on several runs of iftop.

##### #3 - 2014-12-11 10:04 PM - alfplayer

I was thinking in 384 KiB/s. If multiple rsync connections is not standard limiting that number of simultaneous connections would solve this issue.

##### #4 - 2014-12-14 12:29 AM - alfplayer

Additional comments on this thread: <https://lists.parabola.nu/pipermail/dev/2014-December/002542.html>

##### #5 - 2016-02-09 11:35 AM - alfplayer

- Related to Bug #889: [rsyncd] prevent a single mirror from taking all available connections added

##### #6 - 2016-02-09 11:51 AM - alfplayer

- Related to Bug #531: Suggestion to mirror hosts: sync from hosts other than repo.parabola.nu to avoid overload added

##### #7 - 2017-02-05 05:03 PM - lukeshu

- % Done changed from 0 to 100

- Status changed from open to fixed

The issue was never bandwidth; it was disk wait.

Anyway, it's now on winston; and enabled.