

## Re: Performance of freeBSD 5.1

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/performance/2003-08/0031.html>

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**From:** Petri Helenius (*pete\_at\_he.iki.fi*)

**Date:** 08/27/03

Date: Wed, 27 Aug 2003 09:27:36 +0300

To: TeJun Huh <tejun@aratech.co.kr>

Did you disable INVARIANTS and WITNESS when running the tests?

Pete

TeJun Huh wrote:

> *Hello,*  
>  
> *I've been conducting performance tests using simple HTTP proxies and*  
> *web polygraph <<http://www.web-polygraph.org/>>. Web polygraph is*  
> *believed to generate realistic Internet load (high number of sessions,*  
> *many idle, req rate independent of resp rate, and so on). I built*  
> *several equivalent HTTP proxies using various concurrency mechanisms*  
> *and comparing those on linux and freeBSD.*  
>  
> *The following result is obtained on p4 xeon 2.4g (UP kernels).*  
> *Custom version of Kqueue is used on Linux. FreeBSD 5.1 is updated to*  
> *the latest cvs tree three weeks ago (due to thread stability issues)*  
> *and compiled with GENERIC option.*  
>  
> *FreeBSD Linux*  
> *Select Kqueue Select Kqueue*  
> *rps 400 500 500 2500*  
>  
> *I feel something is very wrong with FreeBSD kqueue result. Used*  
> *tuning parameters are*  
>  
> *\* Loader tunables*  
>  
> *kern.maxusers="512"*  
> *kern.ipc.maxsockets="200000"*  
> *kern.ipc.nmbclusters="51200"*  
> *kern.ipc.nmbufs="102400"*  
> *net.inet.tcp.tcbhashsize="65536"*  
>  
> *\* Sysctls*  
>

freebsd-performance: Re: Performance of freeBSD 5.1

```
>sysctl -w net.inet.ip.portrange.first=1024
>sysctl -w net.inet.ip.portrange.last=65535
>sysctl -w kern.ipc.somaxconn=1024
>sysctl -w kern.maxfiles=200000
>sysctl -w kern.maxfilesperproc=200000
>sysctl -w kern.threads.max_threads_per_proc=100000
>sysctl -w kern.threads.max_groups_per_proc=8000
>
> As soon as the test machine becomes available, I'm gonna run tests on
>freeBSD 4.8 and compare the results. Any suggestions are welcomed.
>
>P.S. Please don't forget to CC me. TIA.
>
>
>
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freebsd-performance@freebsd.org mailing list

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