

What I Did This Weekend

By: Ryan Davis



I'm working on a project



It's been going for 12 months



It's a 2 month project



It isn't Rocket Science™



But it's been made more
complex than the mars
rover



We're tying ActiveRecord to WebDAV



No, not like
ActiveResource



That's *just* REST



We're emulating the
entire DB via DAV
properties



Why?



Worst Reason Ever:



Scalability!

Red is for Big Red Flag™



We haven't shipped yet.



**We've got nothing to
scale**



"More computing sins are committed in the name of efficiency (without necessarily achieving it) than for any other single reason - including blind stupidity." - W.A. Wulf

"We should forget about small efficiencies, say about 97% of the time: premature optimization is the root of all evil." - Donald Knuth

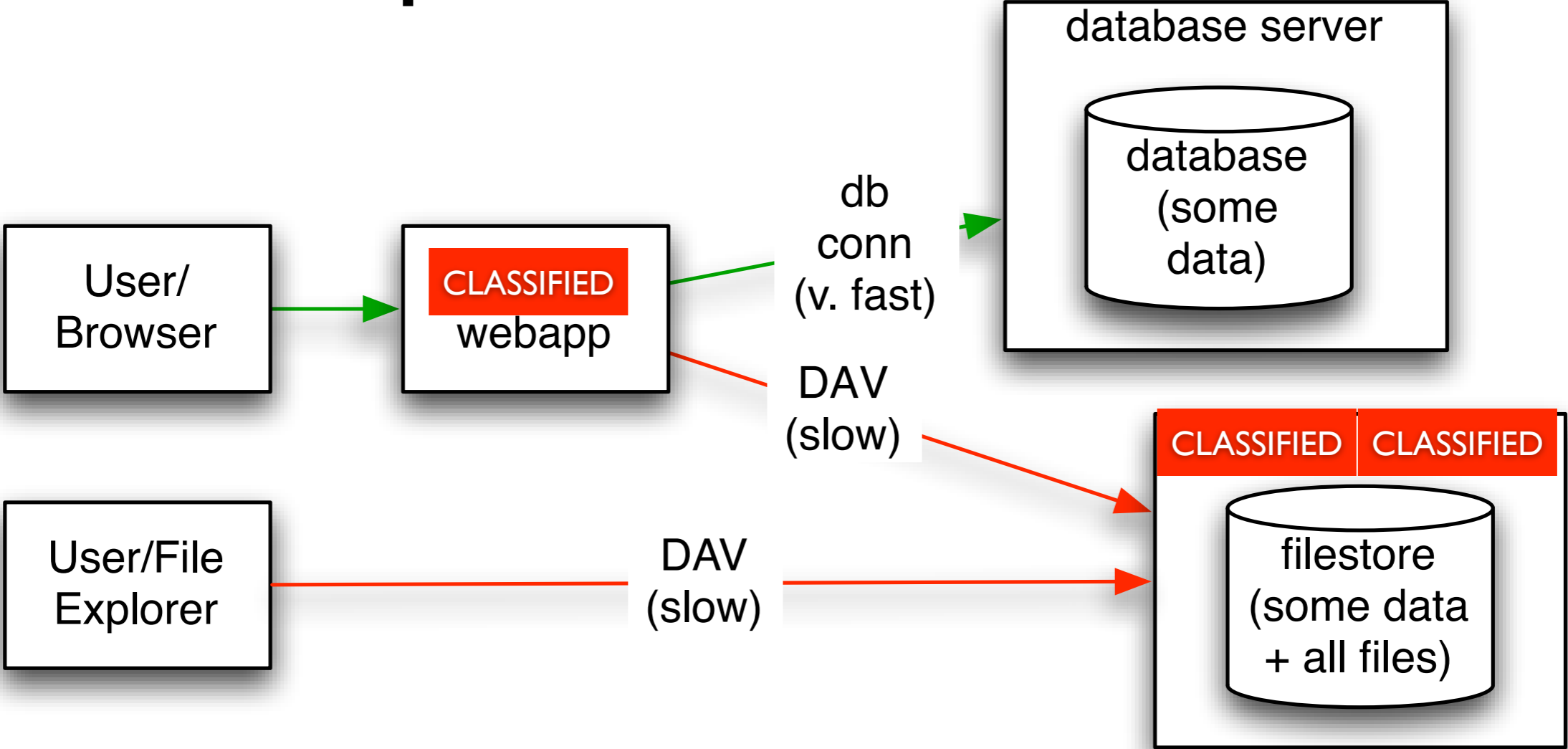
"Optimization hinders evolution." - Anon.

Premature Scaling is the Root of All Evil

(sorry Don)

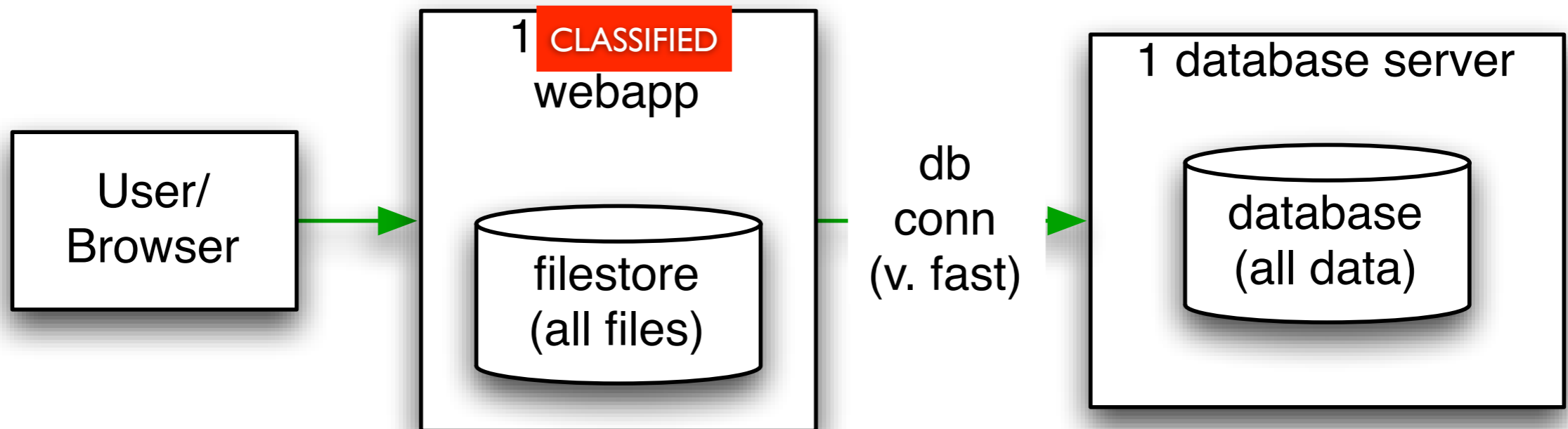


Current Setup



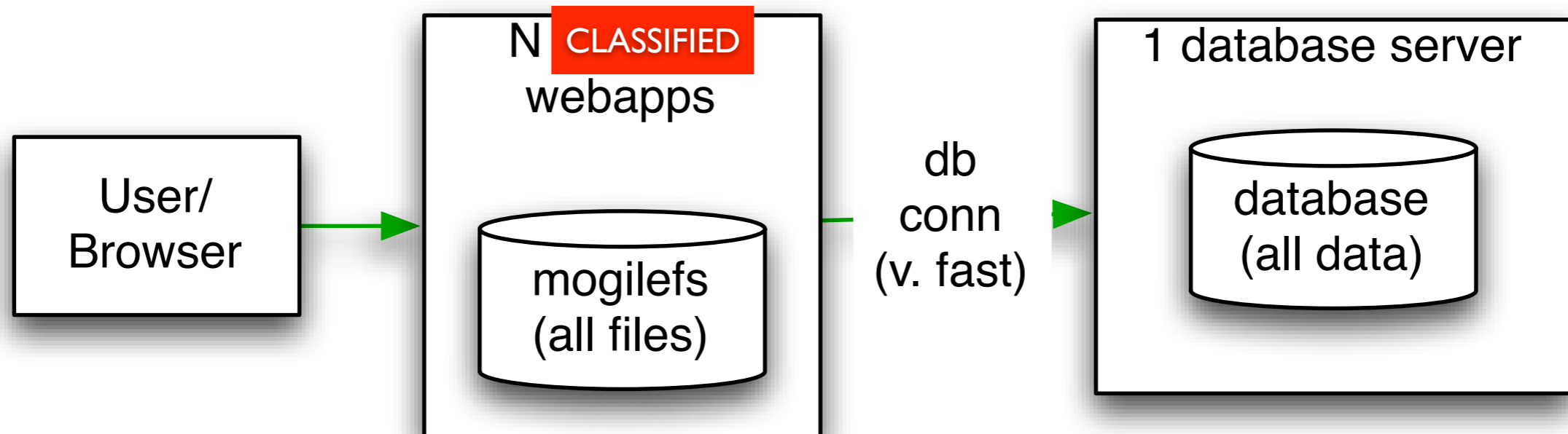
Proposed Change (Phase 1)

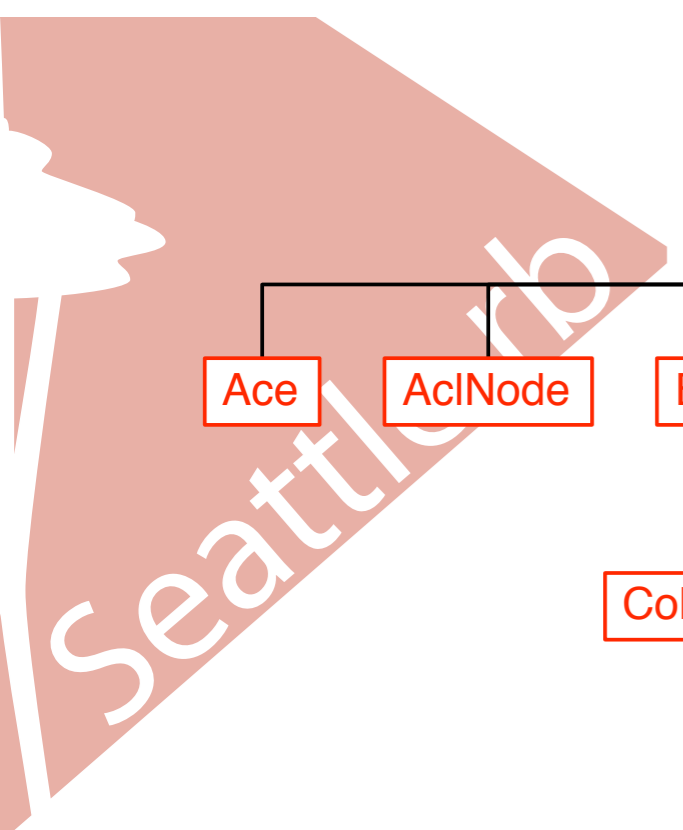
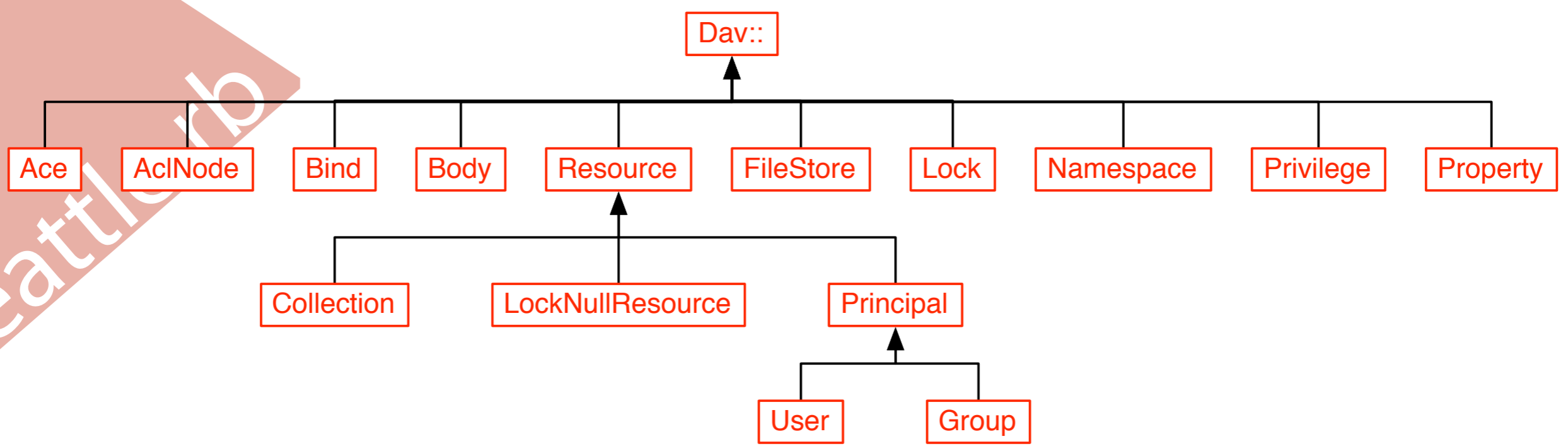
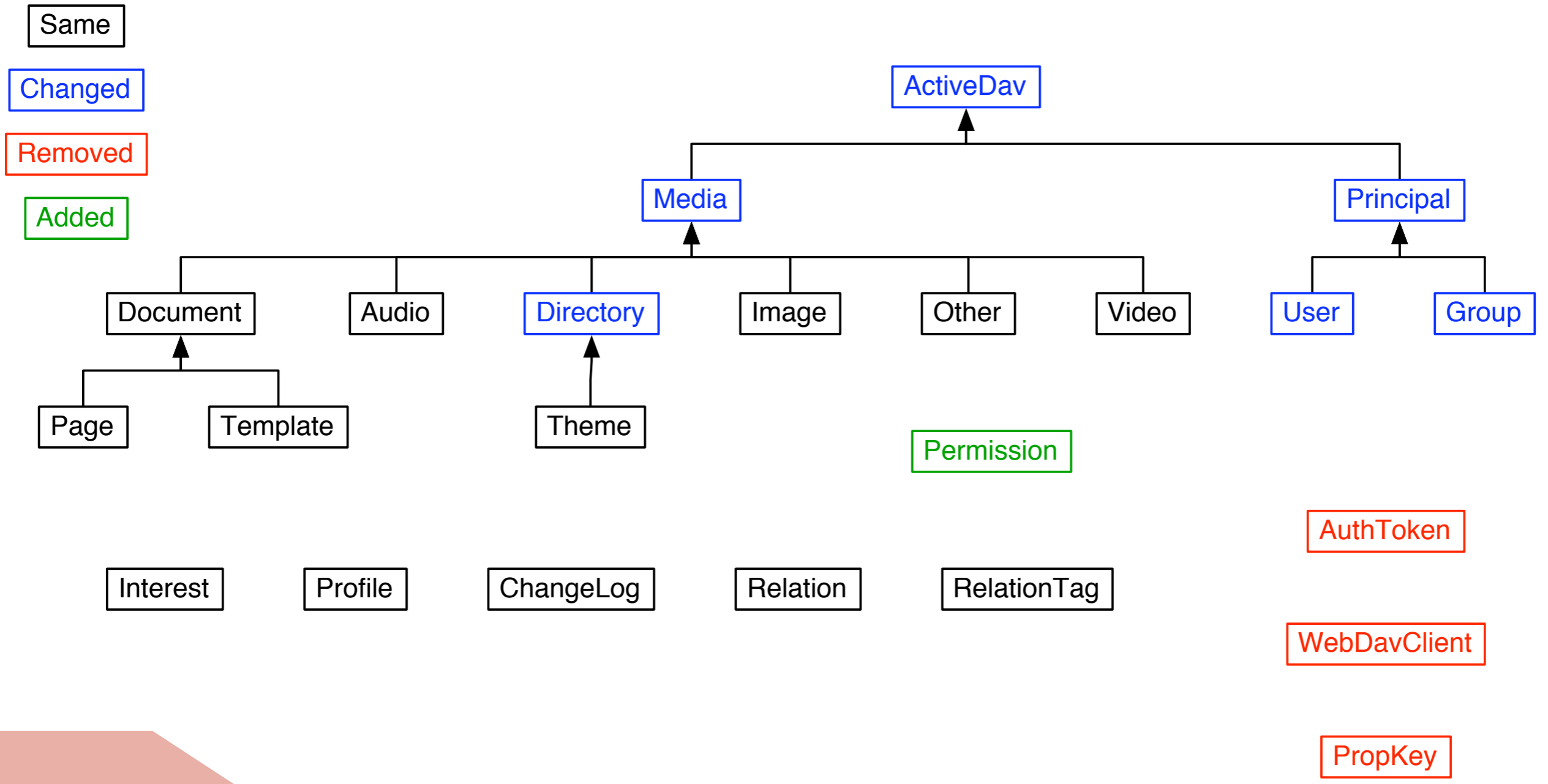
(easily scale to 2TB)



Proposed Change (Phase 2)

(if/when necessary - easily scale to 1TB / server)

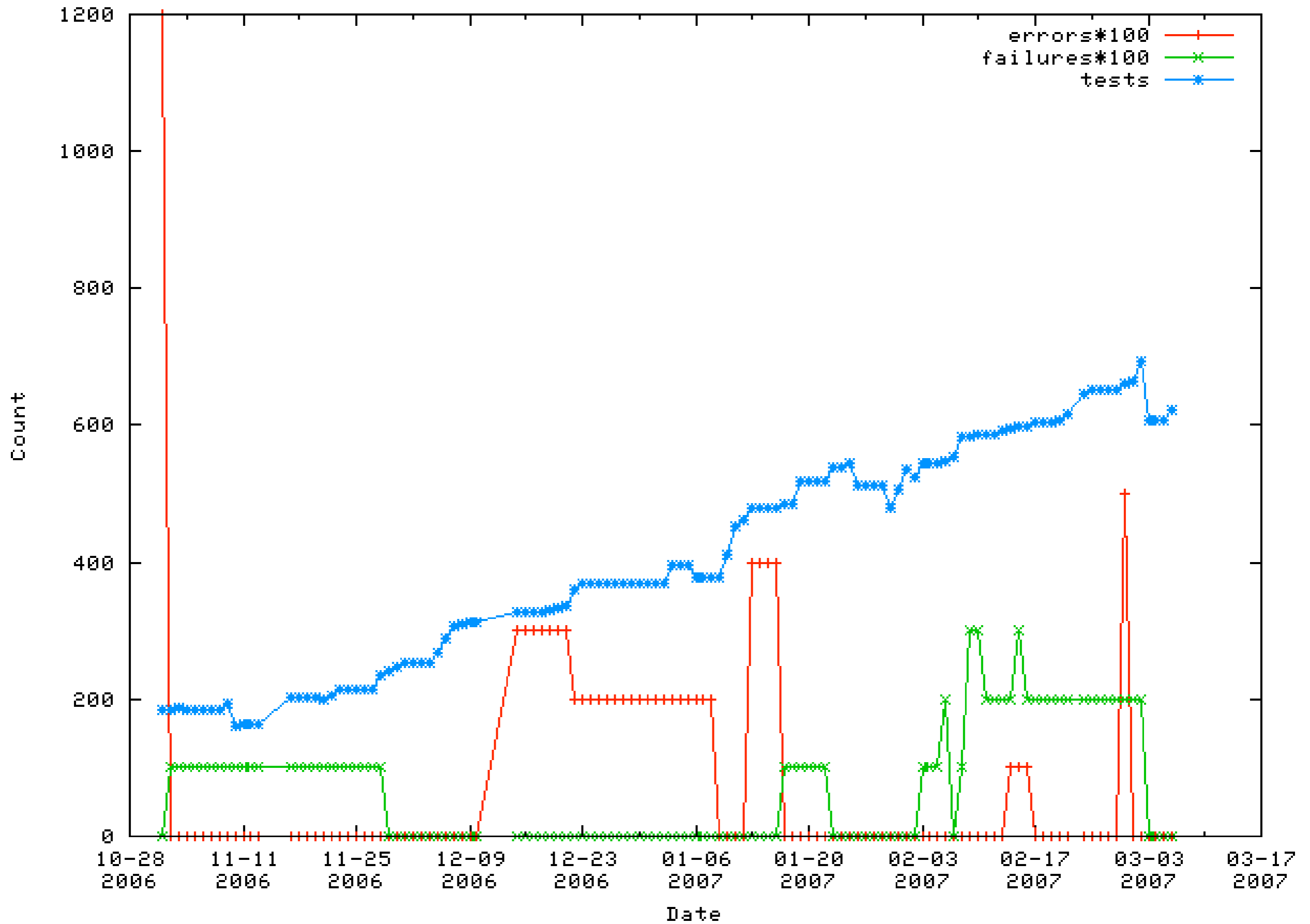




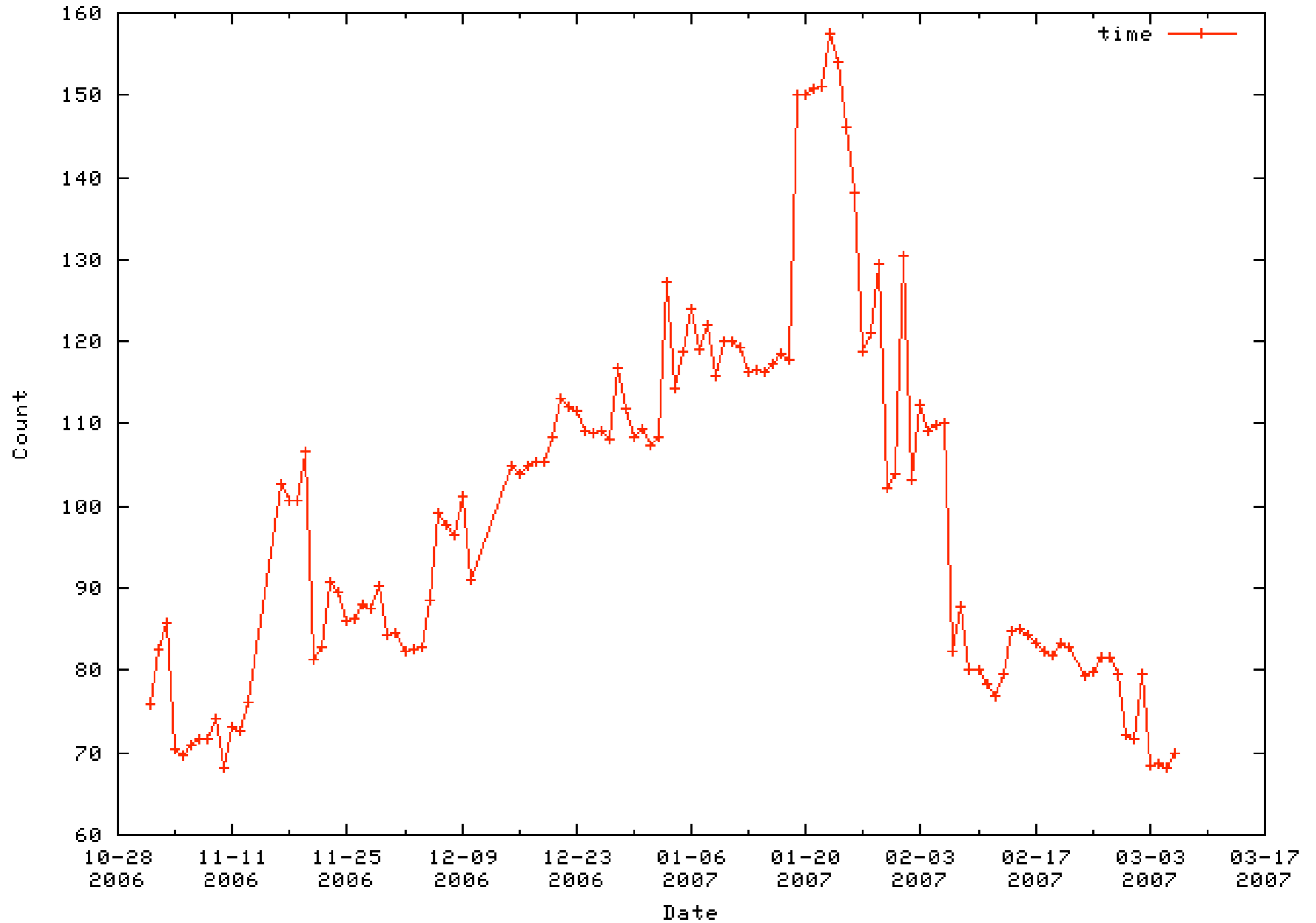
Current Setup (Pre-full-DAV)



No Title



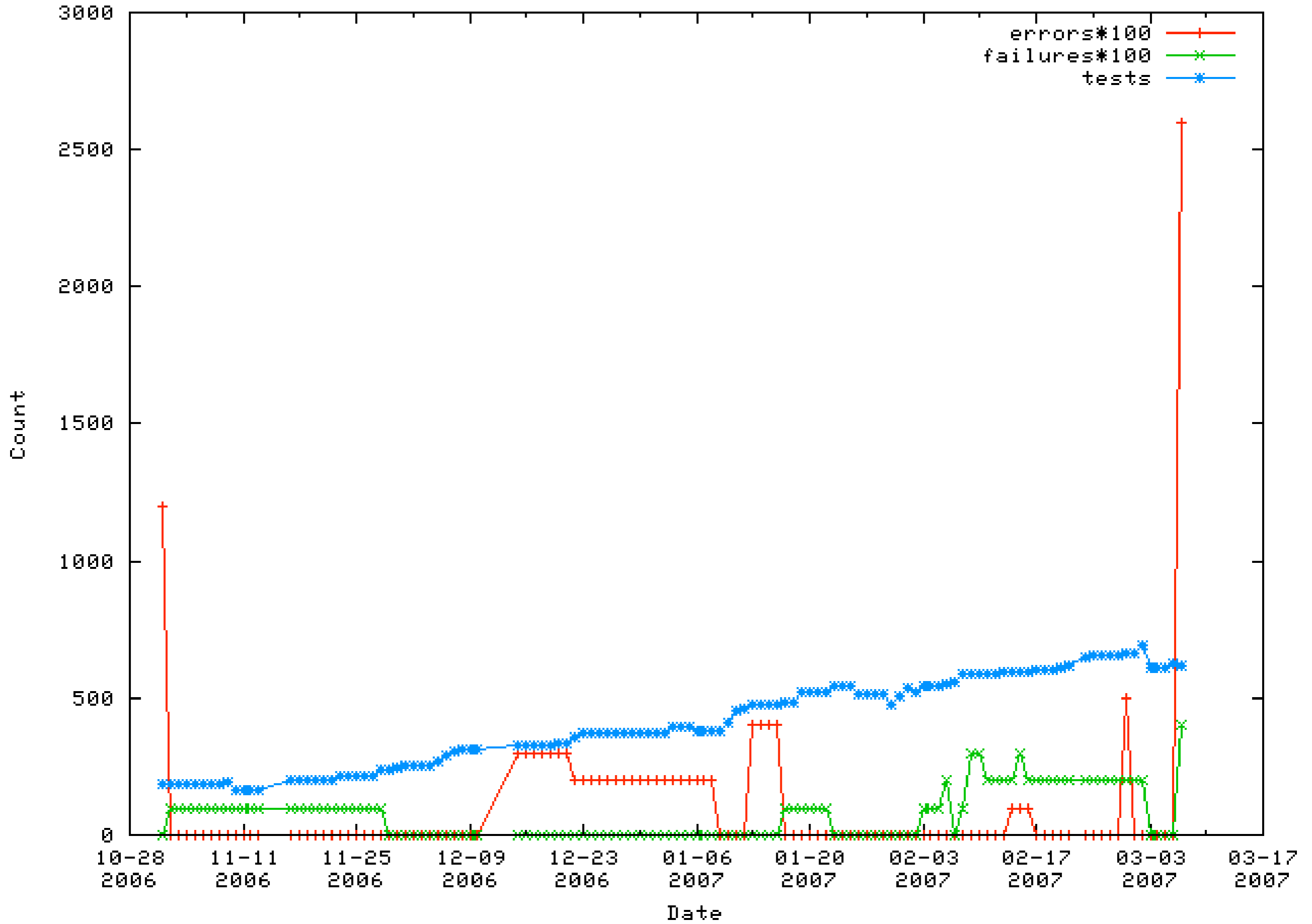
No Title



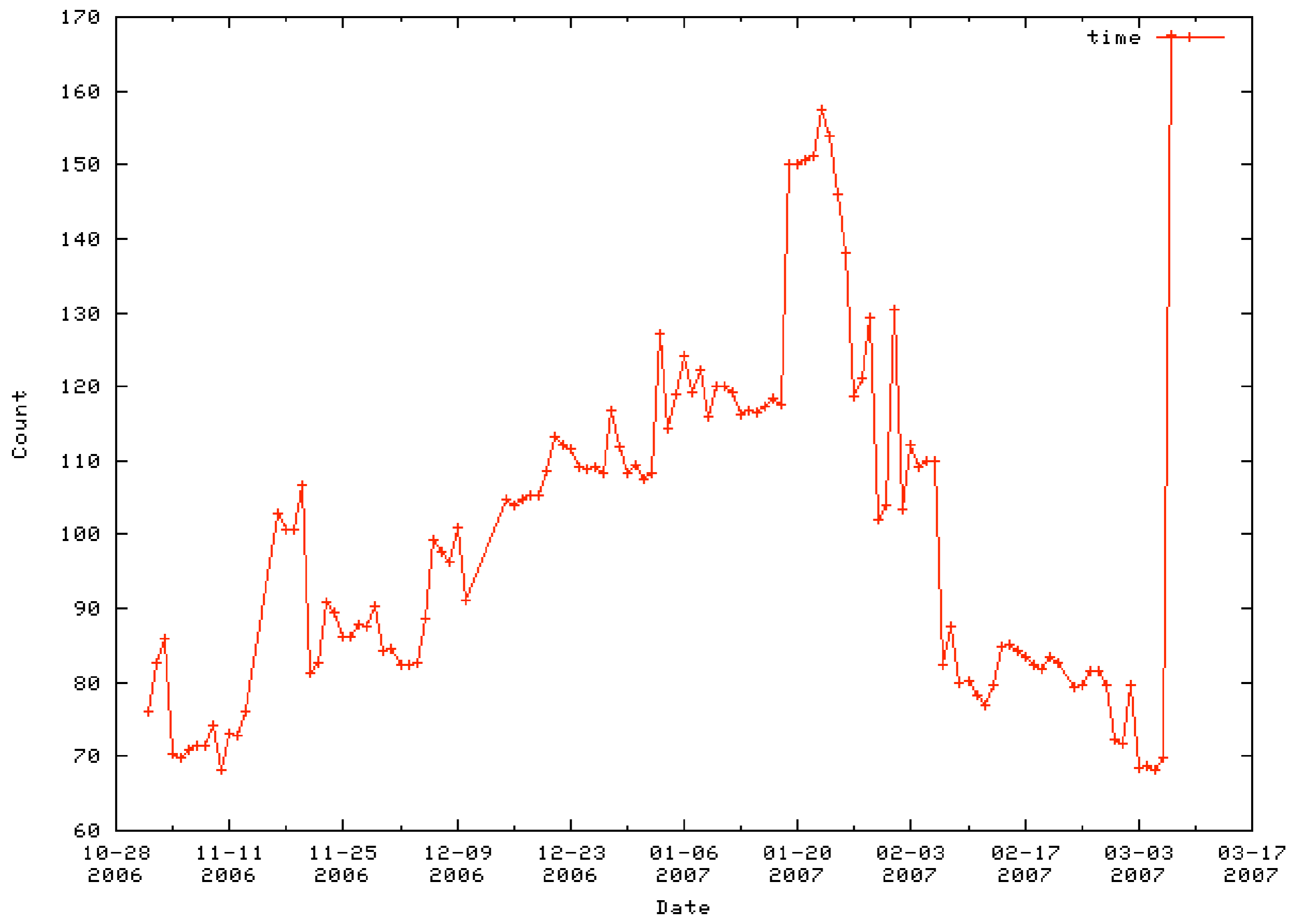
**Next Phase:
(Correct Design,
Still no faked DAV
Server)**



No Title



No Title

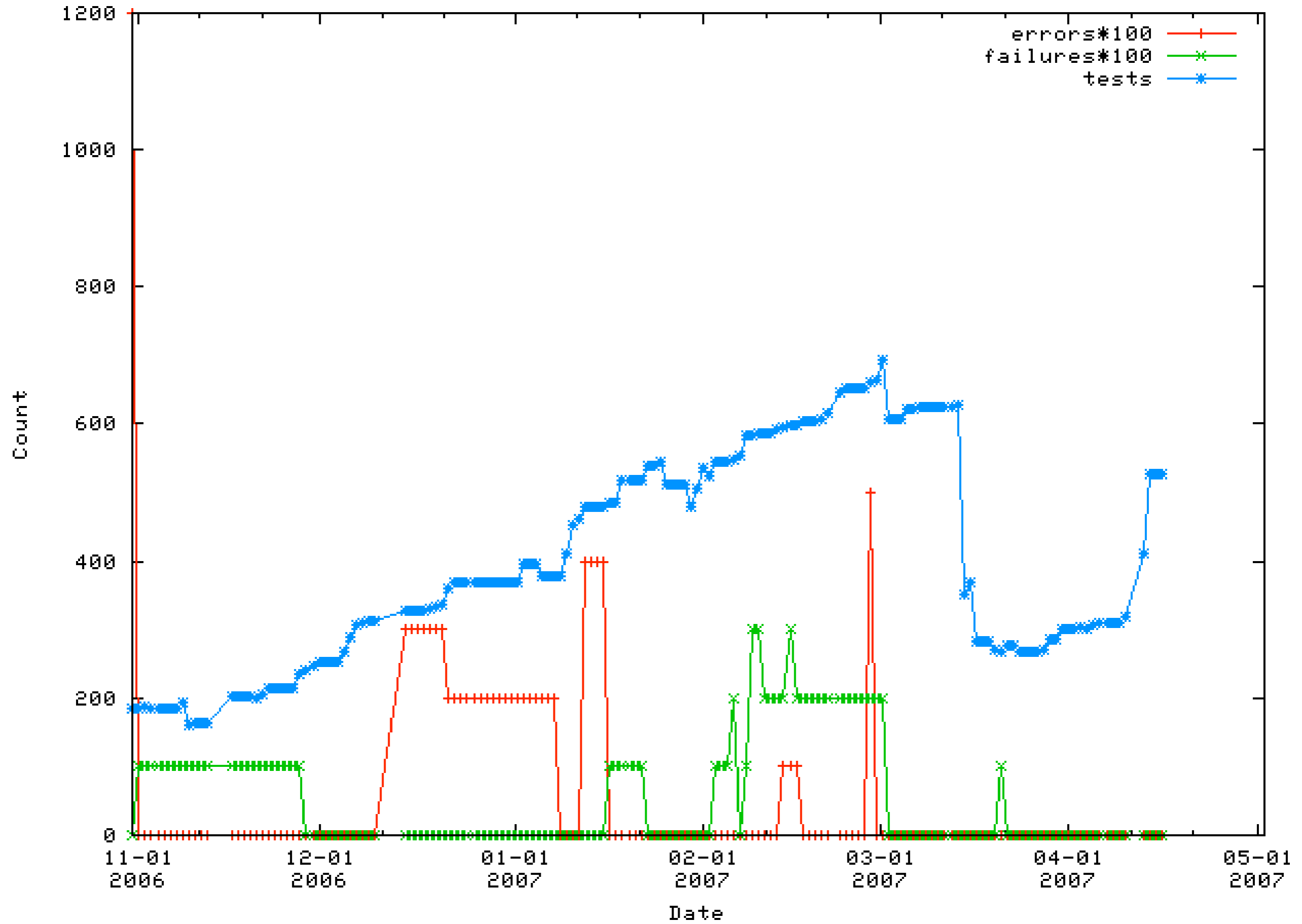


SkunkWorks

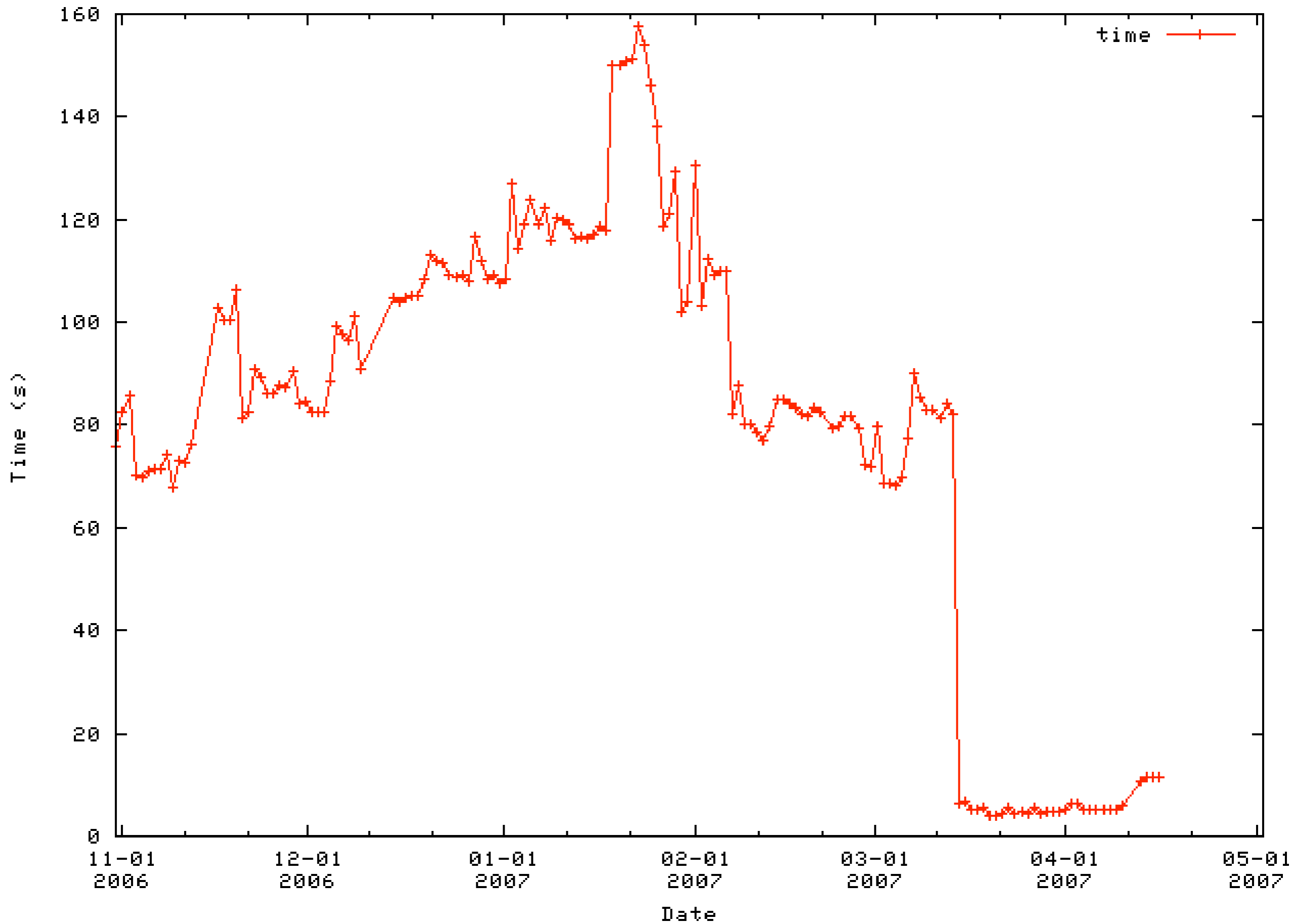
(No DAV at all)



No Title



No Title



Name	Lines	LOC	Classes	Methods	M/C	LOC/M
Libraries	2098	1476	75	173	2	6
Models	4871	2972	39	369	9	6
Unit tests	6136	3986	42	654	15	4
Helpers	223	157	0	21	0	5
Helper tests	164	130	0	10	0	11
Components	0	0	0	0	0	0
Controllers	917	716	12	92	7	5
Controller tests	46	32	2	3	1	8
Functional tests	1379	1004	17	132	7	5
Total	15834	10473	187	1454	7	5

Code LOC: 5321

Test LOC: 5152

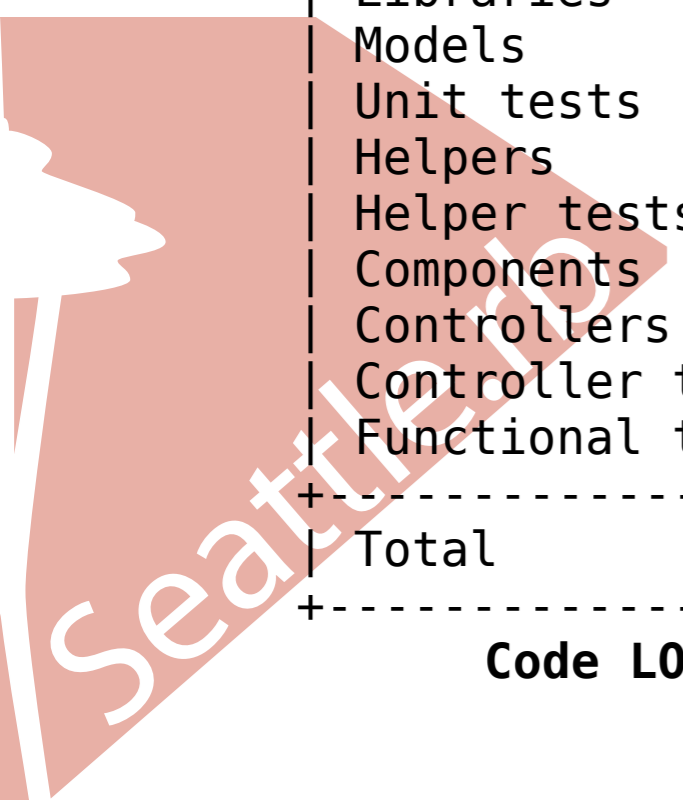
Code to Test Ratio: 1:1.0

Name	Lines	LOC	Classes	Methods	M/C	LOC/M
Libraries	2098	1476	75	173	2	6
Models	1457	853	20	143	7	3
Unit tests	3019	1366	24	421	17	1
Helpers	223	157	0	21	0	5
Helper tests	176	131	0	10	0	11
Components	0	0	0	0	0	0
Controllers	913	706	12	91	7	5
Controller tests	46	32	2	3	1	8
Functional tests	1394	886	17	131	7	4
Total	9326	5607	150	993	6	3

Code LOC: 3192

Test LOC: 2415

Code to Test Ratio: 1:0.8



BEFORE:

Finished in 74.77783 seconds.

622 tests, 2502 assertions, 0 failures, 0 errors



AFTER:

Finished in 5.258559 seconds.

330 tests, 961 assertions, 0 failures, 0 errors

