Subject: Re: High Load D states..
Posted by kevinm on Thu, 12 Feb 2009 17:52:56 GMT
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The users are 'virtual' users, so do not have /etc/passwd entries, etc , they are simply uid's set on the file system, the apache config then runs the setuid that then sets the uid of the active process to the uid of the owner of the file called using libcap posix uid switching.

The HE runs 10 VE's , and each VE at the point of breaching would be processing some 50-60 active connections / requests per second or so, in total there would be some 500-700 active connections / setuid calls per second at the point.

In total we have over 200,000 uid's however the numbers that are being in use / setuid'ing at any one time is ased on the traffic / sites that are active.

I managed to reduce the impact of the setuid call slowness, by pushing keepalives on apache rather high, which causes more requests to be served in the one uid set, this is a 'patch' at the best of times as it exposes the apache services to dos due to apache starving.

again a big thank you for your interest.

Best Regards
Kev