Subject: Re: How is the privvmpages limit reached?
Posted by xemul on Fri, 15 Feb 2008 09:15:57 GMT

Privvmpages accounting works like this:

There are two kinds of mappings
1. the ones that are backed by some file on disk, i.e. MAP_SHARED and !MAP_ANON
2. the ones, that will go to swap on memory shortage, i.e. MAP_PRIVATE or MAP_ANON

The privvmpages limits the total length of mappings of the 2nd type only within the ve. This is OK, since on memory shortage pages of the 1st type will go to disk in existing area (which is limited by vzquota by the way)

So privvmpages limit can be exceeded easily.