Subject: Re: [PATCH 3/3] Dynamic kmem cache allocator for pid namespaces Posted by Sukadev Bhattiprolu on Sat, 14 Jul 2007 01:22:25 GMT View Forum Message <> Reply to Message

Pavel Emelianov [xemul@openvz.org] wrote: Add kmem_cache to pid_namespace to allocate pids from. Since booth implementations expand the struct pid to carry more numerical values each namespace should have separate cache to store pids of different sizes. Each kmem cache is names "pid <NR>", where <NR> is the number of numerical ids on the pid. Different namespaces with same level of nesting will have same caches. This patch has two FIXMEs that are to be fixed after we reach the consensus about the struct pid itself. The first one is that the namespace to free the pid from in free pid() must be taken from pid. Now the init pid ns is used. The second FIXME is about the cache allocation. When we do know how long the object will be then we'll have to calculate this size in create_pid_cachep. Right now the sizeof(struct pid) value is used. Signed-off-by: Pavel Emelianov <xemul@openvz.org> Acked-by: Cedric Le Goater <clg@fr.ibm.com> Acked-by: Sukadev Bhattiprolu <sukadev@us.ibm.com> diff --git a/include/linux/pid_namespace.h b/include/linux/pid_namespace.h index ddb9a4c..27cfad3 100644 --- a/include/linux/pid namespace.h +++ b/include/linux/pid_namespace.h @@ -20,6 +20,7 @@ struct pid namespace { struct pidmap pidmap[PIDMAP ENTRIES]; int last_pid; struct task struct *child reaper; + struct kmem_cache_t *pid_cachep; Shouldn't this be 'struct kmem_cache *'? Containers mailing list Containers@lists.linux-foundation.org

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