Subject: Re: [PATCH 1/4] Virtualization/containers: introduction
Posted by Sam Vilain on Wed, 08 Feb 2006 01:16:01 GMT

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Kevin Fox wrote:
>>>The container is just an umbrella object that ties every "virtualized"
>>>subsystem together.
>>I like this description; it matches roughly with the concepts as
>>presented by vserver; there is the process virtualisation (vx_info), and
>>the network virtualisation (nx_info) of Eric's that has been integrated
>>to the vserver 2.1.x development branch. However the vx_info has become
>>the de facto umbrella object space as well. These could almost
>>certainly be split out without too much pain or incurring major
>>rethinks.
> How does all of this tie in with CPU Sets? It seems to me, they have
> something not unlike a container already that supports nesting.

Yes, I saw that. AIUI that's mainly about binding groups of processes
to CPUs, to defeat Amdahl's law when it rears its head. It fits into
the containers model as a hard partitioning feature, but is a lot more
crude than the CPU Token Bucket scheduler in Linux-VServer.

No doubt both CPU allocation strategies will be useful.

Sam.