Subject: Why is SELinux incompatible with OpenVZ?
Posted by cwebster on Sun, 09 Jan 2011 20:27:57 GMT

I've got a CentOS 5 development server where several developers need to periodically run instances of a real-time application. Each instance expects to be the only one running on the machine. Multiple instances will collide.

Since this is a low-end server and target archtecture is identical to development host, OpenVZ would seem to be the most resource-efficient virtualization tool.

The problem is that this development server is required by security policy to run SELinux. I don't need to run SELinux within the containers, only on the develoment server host.

I've done a lot of googling and searching various forums but I can find no specific reasons why OpenVZ is incompatible with SELinux.

Please explain the impact of setting up SELinux in an OpenVZ kernel. Why can't I re-build an OpenVZ kernel with support for SELinux and enable it to use our required policies?

Thanks in advance for any information, suggestions, useful links, etc.