how to find if a port is listening in solaris 10.

run the portsh.sh script, thats the easy way.

How to find if the firewall service is running in solaris 10.

svcs -x ipfilter:default

and check if the service is running or not in the output.

What is a zone in solaris?

A zone is a virtualized operating system environment created within a single instance of the Solaris OS. Within a zone, the operating system is represented to the applications as virtual operating system environments that are isolated and secure.

https://docs.oracle.com/cd/E18440\_01/doc.111/e18415/chapter\_zones.htm#OPCUG427

The applications run in different zones with complete isolation, while the underlying operating system resources are centrally managed and administered

The Oracle Solaris 10 operating system supports two types of zones:

Global and Non-Global Zones

The global zone is the default operating system and has control over all the processes. A global zone always exists even when no other zones are configured.

Non-global zones, or simply zones , are configured inside the global zone. Zones are isolated from the physical hardware by the virtual platform layer. A zone cannot detect the existence of any other zones.

Booting the global zone is equivalent to booting the system hardware

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Each zone, including the global zone, is assigned a zone name. The global zone always has the name "global".

Each zone is assigned a unique numeric identifier. The global zone always has the identifier ID 0.

Each zone has a path to its root directory that is relative to the global zone's root directory.

The global zone is the only zone from which a non-global zone can be configured and installed.

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vx\_free - to find the free space in solaris

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