

Common Criteria certification advantage of HP-UX nPartitions



Hard partitions are added to the Common Criteria evaluated configuration of the HP-UX 11i v3 operating system.

Hard partitions (nPartitions or nPars) enable you to configure a single server complex as one large system or as multiple smaller systems. These hard partitions are designed to provide for complete electrical and software isolation. For organizations where high availability and security is critical, this ensures that any fault within one partition cannot impact any other partition. Applications running within hard partitions are not subject to hardware or software events in other partitions.

The Common Criteria certification of these features benefits customers who want assurance that the operating system and partitioning isolation properties have been evaluated and certified by a third-party. Many enterprise and government customers require this vendor-independent security certification because it increases confidence in the product's security assurance, functionality, quality and effectiveness.

Benefits of certified nPartitions

System utilization is improved through the ability to run multiple applications and/or different operating system images (including multiple OS versions) in multiple nPartitions within a single system. This enables the best use of computing resources while providing common criteria certified software fault and security isolation.

Uptime is increased by providing for complete electrical and software isolation. This ensures that applications continue to run when a different partition experiences hardware, software or maintenance downtime.

Server consolidation may reduce a datacenter Total Cost of Ownership (TCO). Using nPars for server consolidation provides greater availability. A key to successful consolidations is the increased availability of applications. By providing for electrical and software isolation, nPartitions enables these applications to be combined onto a single system thus reducing the total number of servers and TCO.

Enterprise compliance officers and auditors are more likely to approve consolidation efforts with technologies that are Common Criteria certified enabling the enterprise to realize the TCO benefits of this strategy.

For more information:

[HP-UX 11i Servers and NPartitions](#)

[HP-UX 11i v3 Common Criteria](#)