

QuickSpecs

Current version: v2.2

Description

HP-UX Secure Resource Partitions (SRP) provides a lightweight workload consolidation environment that enables you to consolidate multiple workloads within a single instance of the HP-UX operating system. SRPs share a single host operating system kernel, system service daemons, administrative domain and file system namespace, while maintaining isolated process views, interprocess communication, and network interfaces.

Features

Each SRP can have:

- Controlled isolation of execution environments and system resources
- An SRP home directory tree, which is isolated from other SRPs.
- A private IP address and logical or physical network interface
- Isolated interprocess communication (IPC) and process view. (Processes in one SRP cannot view or communicate with processes in other SRPs.)
- An SRP-specific user login environment.
- Per-SRP CPU and memory resource entitlements. (**NOTE: HP-UX SRP includes Process Resource Manager- see below for more information on HP Process Resource Manager.**)
- Per-SRP startup and shutdown capabilities. (You can start or stop an SRP as you would start or stop a single system)
- **Life-cycle management of SRP:** add, modify, delete, start, stop and status
- **Cloning and migration:** Copy an SRP from one system to another with new export and import functions, in order to facilitate workload balancing. Clone SRPs to support high availability environments.
- **Serviceguard integration:** Use your existing Serviceguard packages in an SRP environment, or manage the entire SRP as a Serviceguard package. Use the cloning feature to create and manage your secondary Serviceguard environment.
- **Status reporting:** Examine details on SRP resource usage and state.
- **Private file system mounting:** Control mounting of file systems on a per-SRP basis.

Graphical user interface (new with SRP v2.2) simplifies management of your Secure Resource Partitions

New for SRP 2.2, the SRP Manager provides a graphical interface for viewing, configuring, starting, stopping and migrating Secure Resource partitions.

- Integrated into HP-UX System Management Homepage
- SRP overview page displaying status and resource utilization for all SRPs on the system
- Detailed management of SRP configuration

Configuration

The SRP feature set is enabled on the system via the `srp_sys -setup` command. Individual SRPs can be created and managed via a GUI hosted by the HP-UX System Management Homepage (SMH), or via the `srp` command.

Support

Support for SRP is included with the HP-UX support agreement. A variety of service options are available from HP. For this product, there are software support services, ranging from standard reactive services up to mission critical support services, as well as implementation services, consulting services and training. For more information, please contact your local HP office or your HP authorized reseller.



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Requirements

Hardware:

- Secure Resource Partitions runs on any HP Integrity and HP 9000 Server supporting HP-UX 11i v3

Software:

- Secure Resource Partitions v2 requires HP-UX 11i v3.
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More information

- www.hp.com/go/srp
- www.hp.com/go/hpux-srp-docs, including "white papers": Best Practices for Deploying HP-UX Secure Resource Partitions (SRP) for SAP Whitepaper
- Reference Architecture: Consolidating Oracle Databases with Secure Resource Partitions in a Serviceguard Cluster Whitepaper

Distribution Media

- Available for software download from HP Software Depot:
<http://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=HP-UX-SRP>
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