



# Next-Generation Route Switch Processor (RSP4) on Cisco 7500 Series Routers

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## Description

The next-generation Route Switch Processor (RSP4) provides improved performance on Cisco 7500 series routers. The RSP4 uses a 200-MHz R5000 processor with twice the primary cache and a 512-KB secondary cache to greatly improve performance. The biggest increases in performance are in process-level switching and other process-level tasks (for example, route calculations) where the RSP4 is between two and four times faster than an RSP2. Fast-switching performance is also improved. The RSP4 supports the high system availability (HSA) feature and can be used in combination with an RSP2 or another RSP4.

## Configuration Tasks

None

## Configuration Examples

None

## Command Reference

None

## What to Do Next

For information on the RSP4, refer to the *Route Switch Processor (RSP4) Installation and Configuration* publication.

