

OSPF improve convergence time

- Change the network type to point-to-point on those links.
- Reduce SPF (Shortest Path First) initial timer.
 - **timers throttle spf** *spf-start spf-hold spf-max-wait*
- Enable OSPF.

timers throttle spf

To turn on OSPF SPF throttling, use the **timers throttle spf** command in router configuration mode. To turn off SPF throttling, use the **no** form of this command.

timers throttle spf *spf-start spf-hold spf-max-wait*

no timers throttle spf *spf-start spf-hold spf-max-wait*

Syntax Description

<i>spf-start</i>	Indicates the initial SPF schedule delay in milliseconds. Value range is 1 to 600,000 milliseconds.
<i>spf-hold</i>	Indicates the minimum hold time between two consecutive SPF calculations. Value range is 1 to 600,000 milliseconds.
<i>spf-maximum</i>	Indicates the maximum wait time between two consecutive SPF calculations. Value range is 1 to 600,000 milliseconds.

Defaults: SPF throttling is not set.