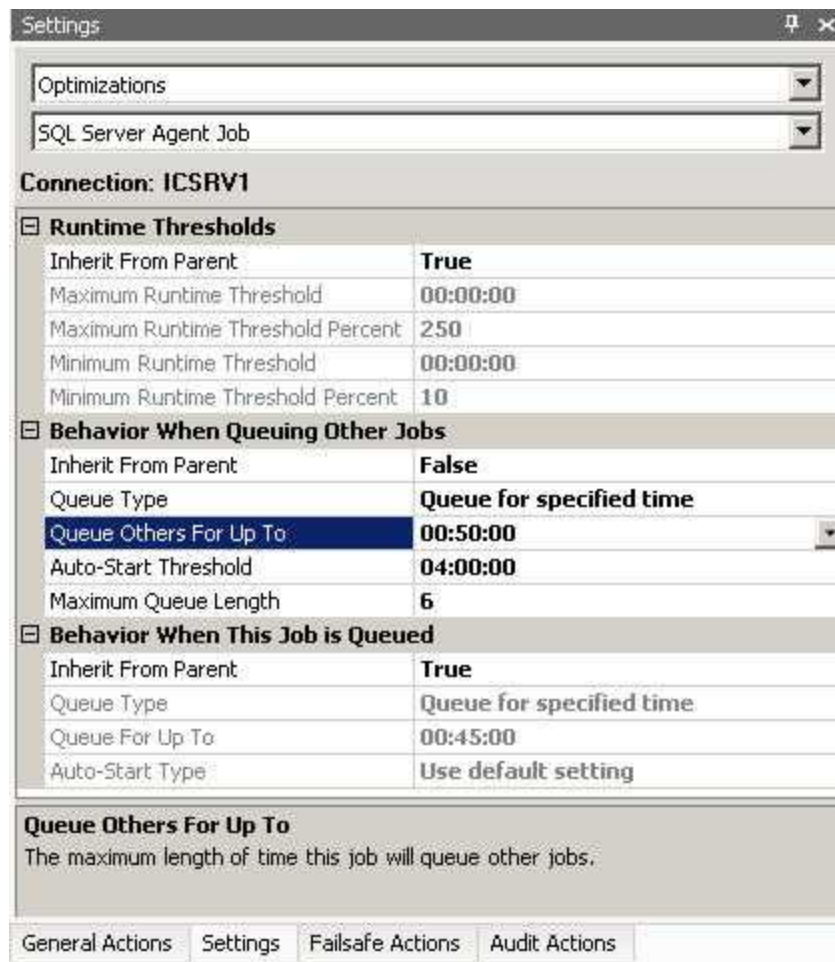


## Job Queuing

SQL Sentry Event Manager can delay the start of a job until another job completes. For example, an optimization job is scheduled at 2:00 am and a backup job at 2:30 am. Sometimes the optimization job can take up to 45 minutes, causing contention with the backup job and performance problems on the server. See how easy it is to prevent this with Event Manager's queuing feature:

From the Navigator pane, simply select the Optimizations job. Next, choose the Settings tab on the Actions and Settings pane. Under **Behavior when queuing other jobs**, select "False" for **Inherit From Parent**. Then, select "Queue for specified time" for the **Queue Type**. Enter "50 minutes" for **Queue Others For Up To** to be safe. The other settings can be left at their defaults.



Settings

Optimizations

SQL Server Agent Job

Connection: ICSRV1

**Runtime Thresholds**

Inherit From Parent	True
Maximum Runtime Threshold	00:00:00
Maximum Runtime Threshold Percent	250
Minimum Runtime Threshold	00:00:00
Minimum Runtime Threshold Percent	10

**Behavior When Queuing Other Jobs**

Inherit From Parent	False
Queue Type	Queue for specified time
Queue Others For Up To	00:50:00
Auto-Start Threshold	04:00:00
Maximum Queue Length	6

**Behavior When This Job is Queued**

Inherit From Parent	True
Queue Type	Queue for specified time
Queue For Up To	00:45:00
Auto-Start Type	Use default setting

**Queue Others For Up To**  
The maximum length of time this job will queue other jobs.

General Actions Settings Failsafe Actions Audit Actions

Next select the backup job and view its settings under **Behavior When This Job is Queued**. Change **Inherit From Parent** to "False". Adjust the **Queue for specified time** value to 50 minutes. Finally, set the **Auto-Start Type** to "Auto-start immediately."



Now, whenever the optimizations job runs long, the backup job will be delayed for up to 50 minutes or until the optimization job completes, whichever comes first. The net effect is that both jobs always run as fast as possible, and server performance is increased!

To view recent queuing activity on a watched server in Event Manager, right-click on the **Jobs** node or an individual job and select "Show Queue Log."

## About SQL Sentry Event Manager

SQL Sentry Event Manager is the ultimate scheduling, alerting and response system for optimizing schedule performance of database servers and related IT resources. Event Manager provides DBAs with "Outlook-style" visibility and functionality for managing SQL Agent jobs, Windows Tasks, and Oracle jobs in increasingly complex cross-platform environments.

Download a free trial at [www.sqlsentry.net](http://www.sqlsentry.net) and contact our team at [sales@sqlsentry.net](mailto:sales@sqlsentry.net) to find out how SQL Sentry Event Manager can optimize your server schedule performance.