

# Task Resuming & Suspending

A freeRTOS task that is currently running can be suspended by another task or by its own task. A suspended task will not get any processing time from the micro-controller. Once suspended, it can only be resumed by another task.

API which can suspend a single task is:

```
void vTaskSuspend( TaskHandle_t xTaskToSuspend );
```

Refer this link to explore more details on the API. <https://www.freertos.org/a00130.html>

API to suspend the scheduler is:

```
void vTaskSuspendAll( void );
```

Refer this link to explore more details on the API. <https://www.freertos.org/a00134.html>

API to resume a single task:

```
void vTaskResume( TaskHandle_t xTaskToResume );
```

Refer this link to explore more details. <https://www.freertos.org/a00131.html>

API to resume the scheduler:

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```
BaseType_t xTaskResumeAll( void );
```

Refer this link to explore more details. <https://www.freertos.org/a00135.html>

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