

# RTC时钟

## 初始化步骤：

- 1.使能电源控制器 ( \_\_HAL\_RCC\_PWR\_CLK\_ENABLE(); )
- 2.选择RTC时钟源 ( \_\_HAL\_RCC\_RTC\_CONFIG(); )
- 3.使能RTC时钟 ( \_\_HAL\_RCC\_RTC\_ENABLE(); )
- 4.初始化预分频器 ( HAL\_RTC\_Init(); )

## 获取和设置时间：

```
HAL_RTC_SetTime();  
HAL_RTC_GetTime();  
HAL_RTC_SetDate();  
  
HAL_RTC_GetDate();
```

在读取时间之前，需要等待时间同步标志位置位。（RSF in RTC\_ISR）

### Notes

- You must call HAL\_RTC\_GetDate() after HAL\_RTC\_GetTime() to unlock the values in the higher-order calendar shadow registers to ensure consistency between the time and date values. Reading RTC current time locks the values in calendar shadow registers until Current date is read.