

## Close a Task

Last Modified on 04/24/2017 6:50 am EDT

Use the API to close a task according to the *TaskInstanceId* and *ActivityInstanceId*.

```
using System;
using System.Linq;
using PNMsoft.Sequence;
using PNMsoft.Sequence.Activities;
using PNMsoft.Sequence.Forms.Activities;
using PNMsoft.Sequence.Messaging;
using PNMsoft.Sequence.Runtime;

namespace SequenceEx.Tasks.Samples
{
    public class CloseTaskSample
    {
        public void CloseTaskByTaskInstanceId(int taskInstanceId)
        {
            TaskExecutor executor = TaskExecutor.GetExecutor(taskInstanceId);

            bool forceCloseActivity = true;
            executor.CompleteTask(forceCloseActivity);
        }

        public void CloseFirstTaskByActivityInstanceId(int activityInstanceId)
        {
            //If this code is executed in ESC you already have the execution context available
            IWorkflowExecutionService executionService =WorkflowRuntime.Engine.GetServiceWithCheck
();
            ActivityInstance activityInstance = executionService.GetActivityInstance(activityInsta
nceId);

            if (activityInstance == null)
            {
                throw new InvalidOperationException(string.Format(
                    "Cannot find the activity instance '{0}' because it does not exist or you do n
ot have permissions.",
                    activityInstanceId));
            }

            if (activityInstance.Activity is IMessageActivity)
            {
                TaskInstance taskInstance = activityInstance.MessagesInstances
                    .OfType()
                    .FirstOrDefault();

                if (taskInstance != null)
                {
                    TaskExecutor executor = new TaskExecutor(taskInstance);

                    bool forceCloseActivity = true;
                    executor.CompleteTask(forceCloseActivity);
                }
            }
        }
    }
}
```