

Controll Developement

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Chapter 1

Introduction

This is v0.3 of this document. This document specifies some of the the Controll project implementation and models.

<http://github.com/thecopy/Controll>

1.1 Specification of a plugin file

A plugin file is a .NET library (.dll) with classes implementing the `Controll.Common.IControllPlugin` interface which declares:

- `void Execute(Controll.Common.IPluginContext)`
- `Guid Key { get; }`
- `string Name { get; }`
- `string CreatorName { get; }`
- `DateTime LastUpdated { get; }`
- `string Description { get; }`

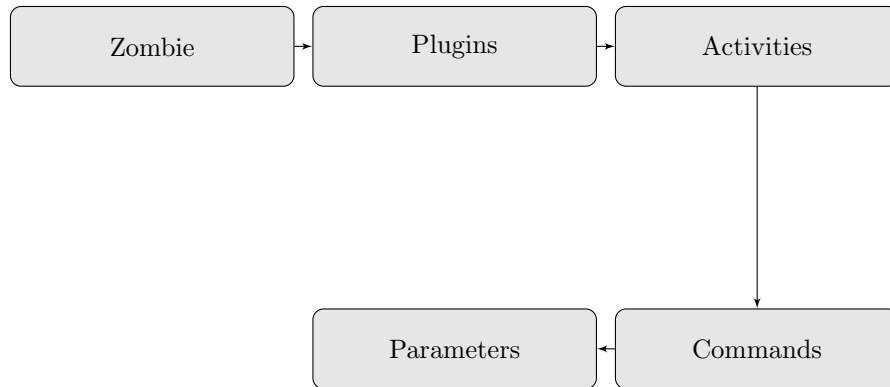
Where `Controll.Common.IPluginContext` is an object containing information about the execution parameters. It declares:

- `IDictionary<string, string> Parameters { get; }`
- `void Started();`
- `void Finish(string result);`
- `void Error(string errorMessage);`
- `void Notify(string message);`

The methods `Error(string)` and `Notify(string)` are functionality planned to be implemented in $\geq 0.0.3$. It's purpose is to notify the client of an on-going process in the activity (or of course an error). `Started()` is called when the activity is started and `Finish(string)` is called when the activity is completed with the string parameter containing the result(s).

1.2 The Zombie Model

The arrow represents *have many*.

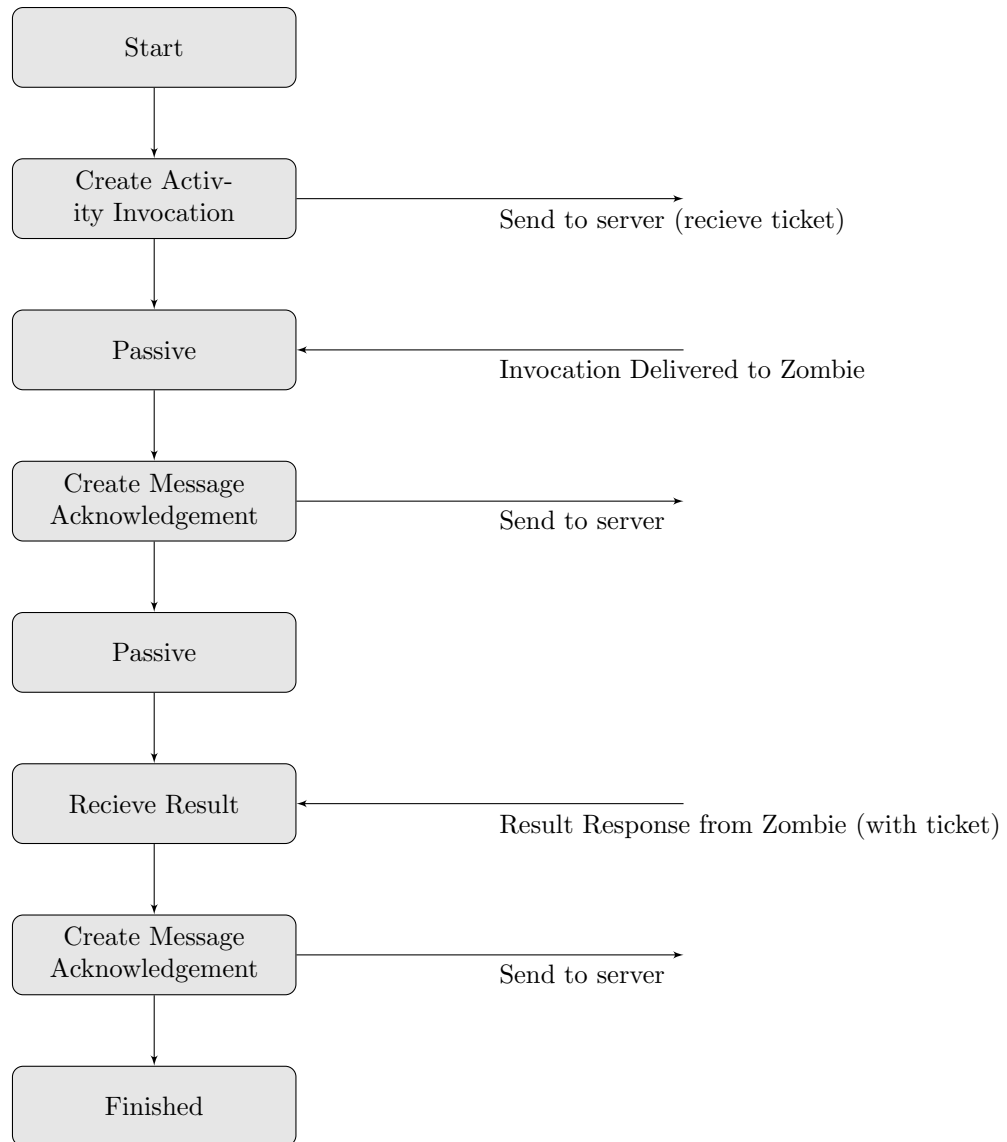


1.3 The messaging specification model in 0.0.2

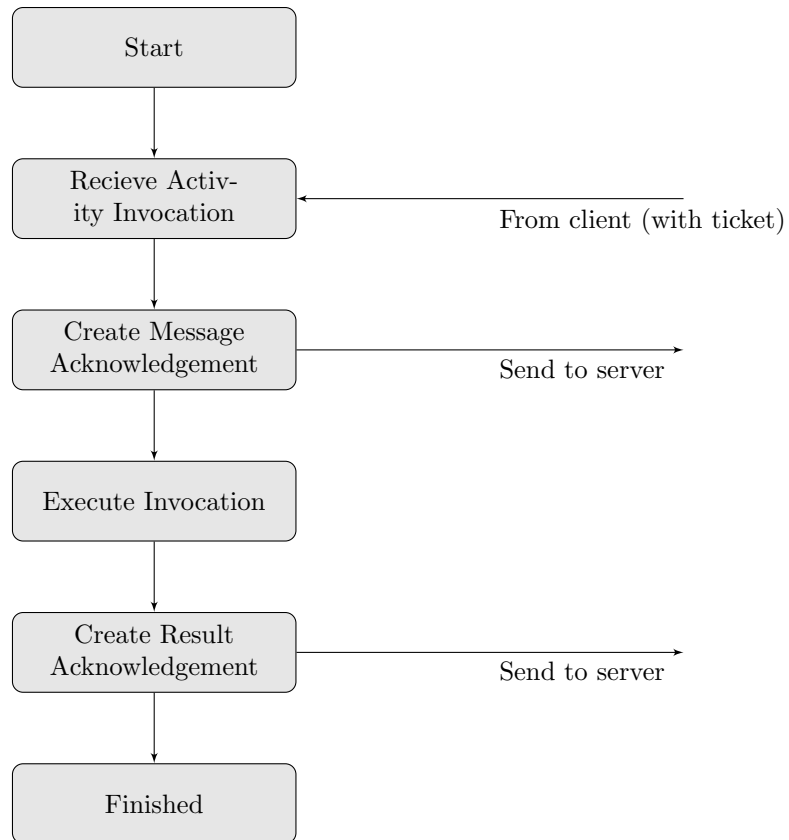
These three flow charts shows the specification for the message routing between the client, the server and the zombie when the user invokes an activity on the zombie.

Note: Due to the implementation of SignalR (the transport) we will always get an acknowledgement whether what we send to the server is received or not.

The Client



The Zombie



The Server

