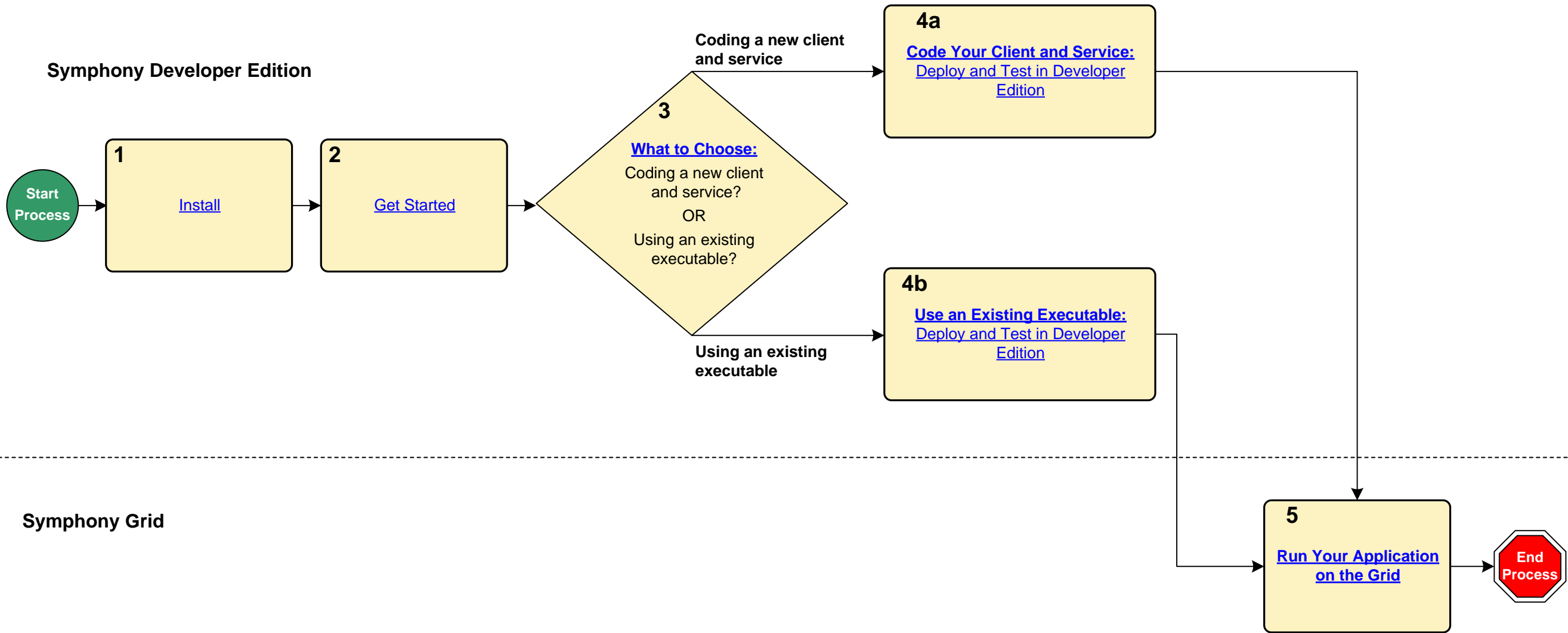


Getting Started: Developer Overview



Symphony Grid

About this document

This document gives you an overview of the steps you need to go through to develop and put your application on the grid. This document also highlights steps you can take through the Platform Management Console.

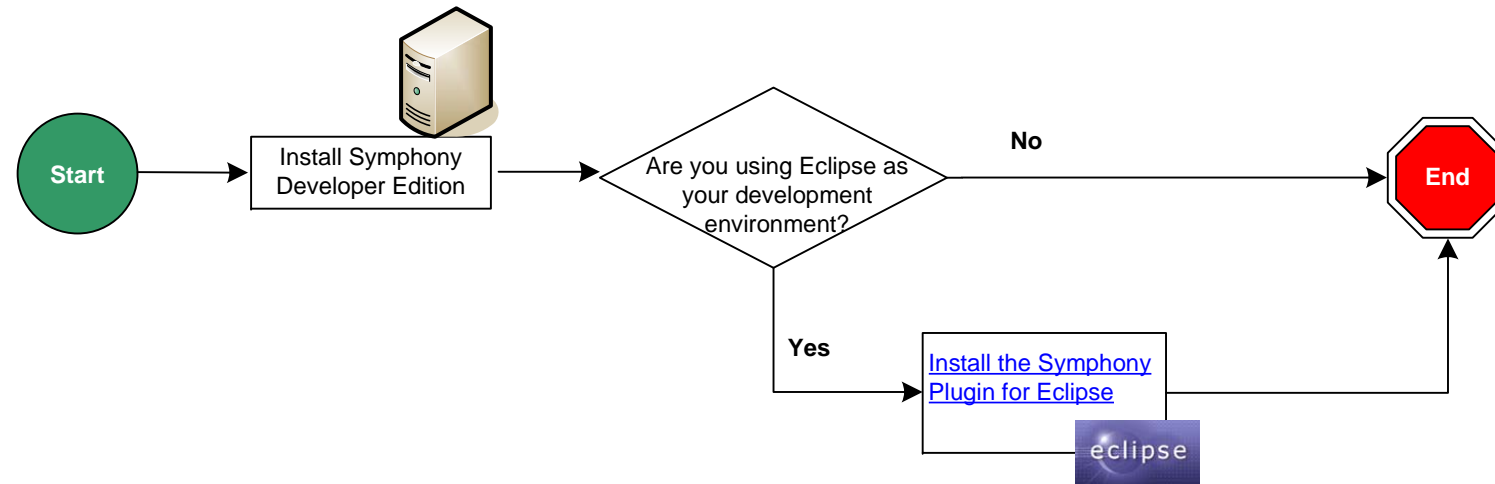
Printing this document

Print using 8.5 in. x14 in. (legal size) paper, landscape orientation.
Be sure to print all pages.

1. Install



Symphony Developer Edition



2. Get Started

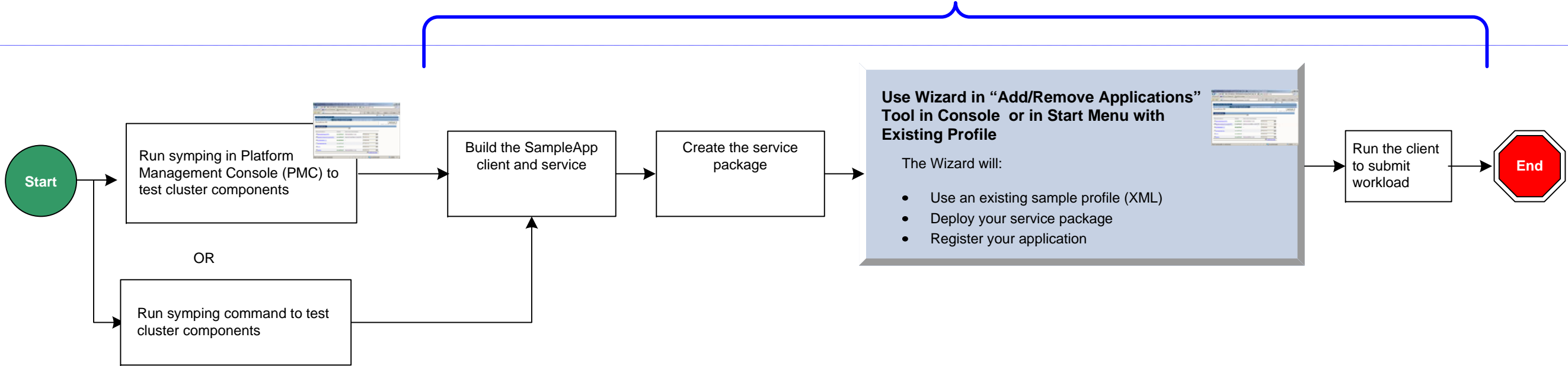


Symphony Developer Edition

Familiarize yourself with the Symphony API. Follow the tutorial for your language:

- [C++: Your First Symphony C++ Service](#)
- [Java: Your First Java Service](#)
- [.NET: Your First Synchronous C# Client and Service](#)

Detailed instructions for the steps below are in the tutorials:



3. What to Choose:

Code Your Client and Service or Use an Existing Executable



Symphony Developer Edition

Use an Existing Executable

Reasons to choose:

- You have an existing executable and want to reuse it without recoding it or reimplementing it through the Symphony API.
- Your client may be a script, or you start the executable from the client.
- You have no access to the source code and cannot recode it.

OR

Code Your Client and Service

Reasons to choose:

- You are coding a service from scratch.
- You want your service to be prestarted.
- You have data that you want to pass.

Characteristics of this option:

- Data cannot be passed from the client to the service. Input, output is local to compute hosts.
- Only exit codes from the executable are returned to the client. Note that the symexec service which manages the executable can still return exceptions.
- The executable process is started and stopped for every invoke, adding system overhead.
- Inability to set, per executable invocation, remote values for OS limits, execution user and permissions.

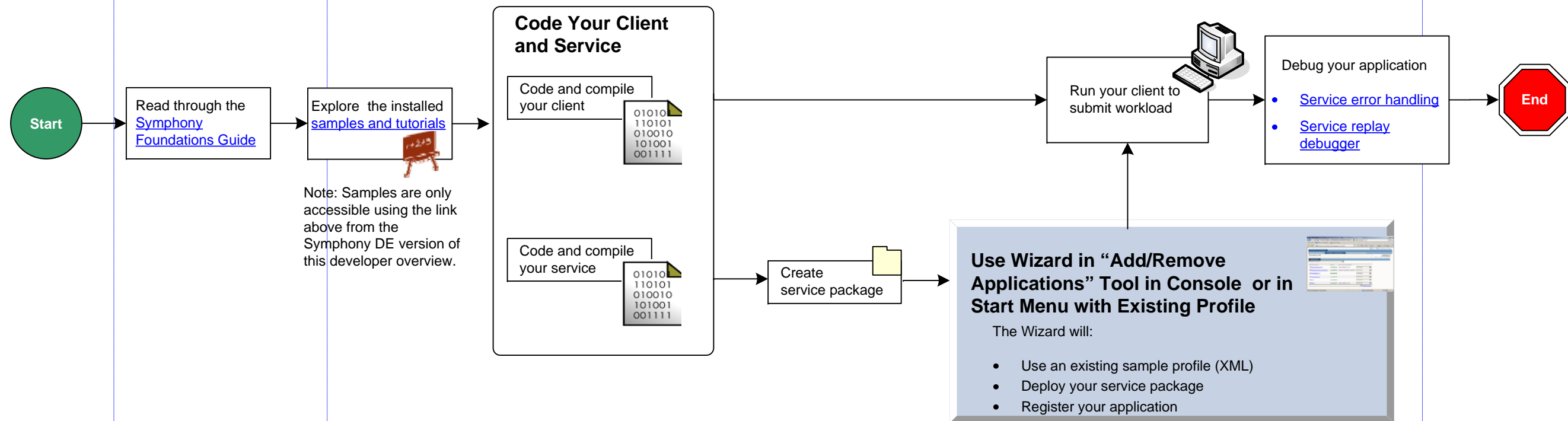
Characteristics of this option:

- Data is passed remotely from client to service. Input is passed from client to service and output and exceptions passed back to the client from the service.
- The service process can be prestarted with no need to start and stop the service process on every invoke, thus saving on system overhead.
- Ability to set, per application, remote values for shell, OS limits, execution users, and permissions.

4a Code Your Client and Service: Deploy and Test in Developer Edition



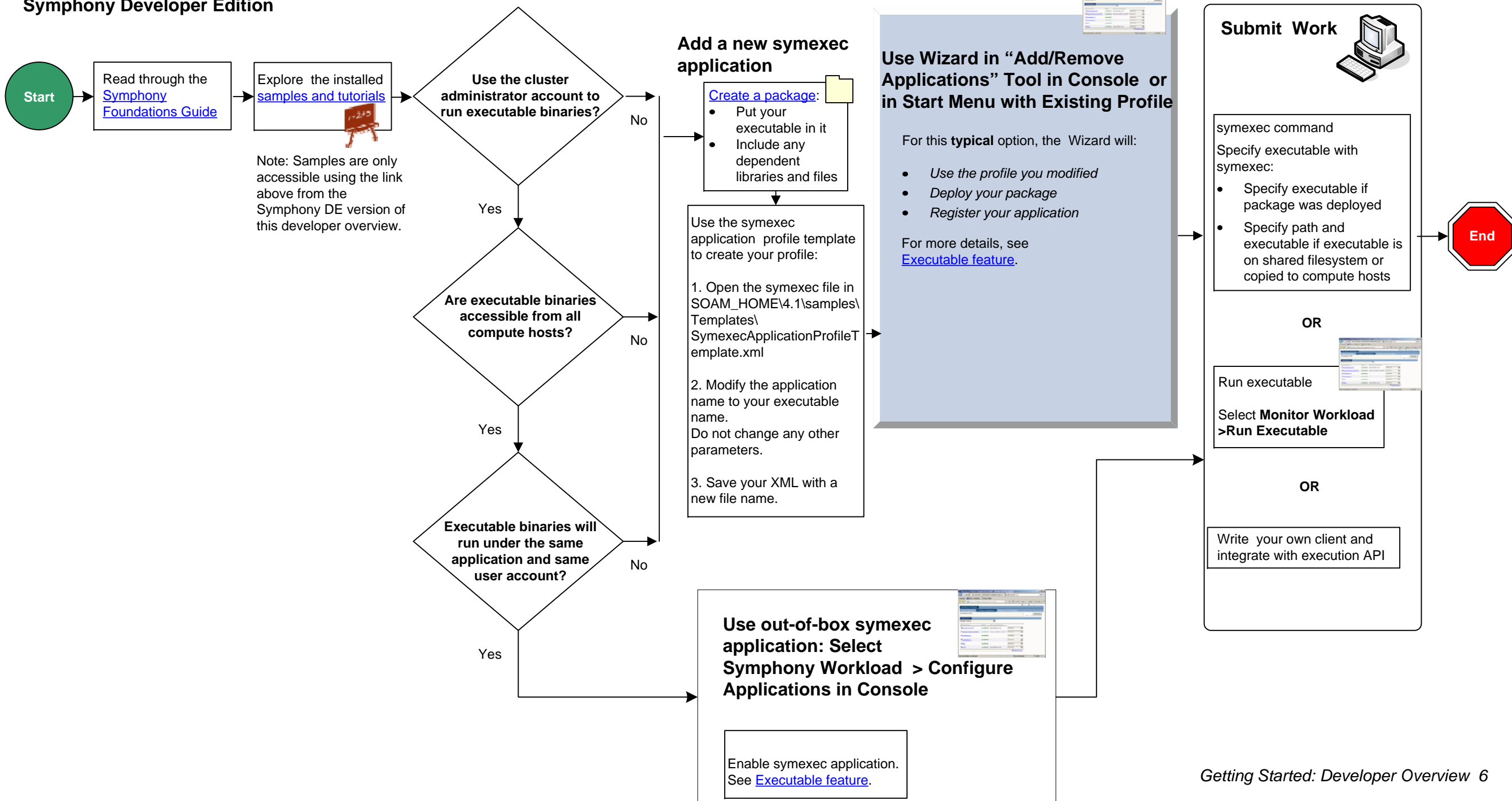
Symphony Developer Edition

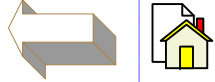




4b Use an Existing Executable: Deploy and Test in Developer Edition

Symphony Developer Edition





Symphony Grid

Move an Application from Symphony Developer Edition to Symphony Grid

