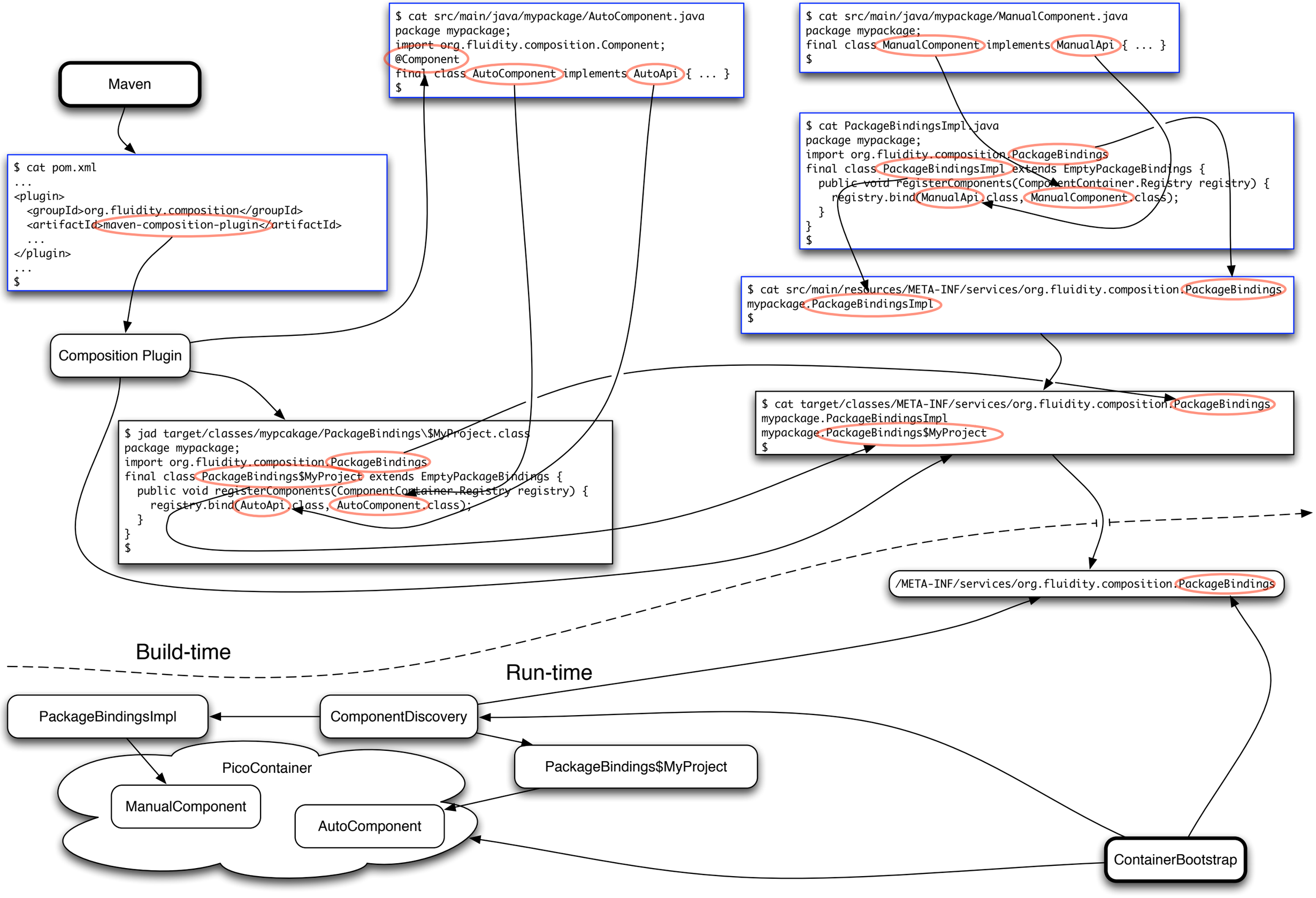
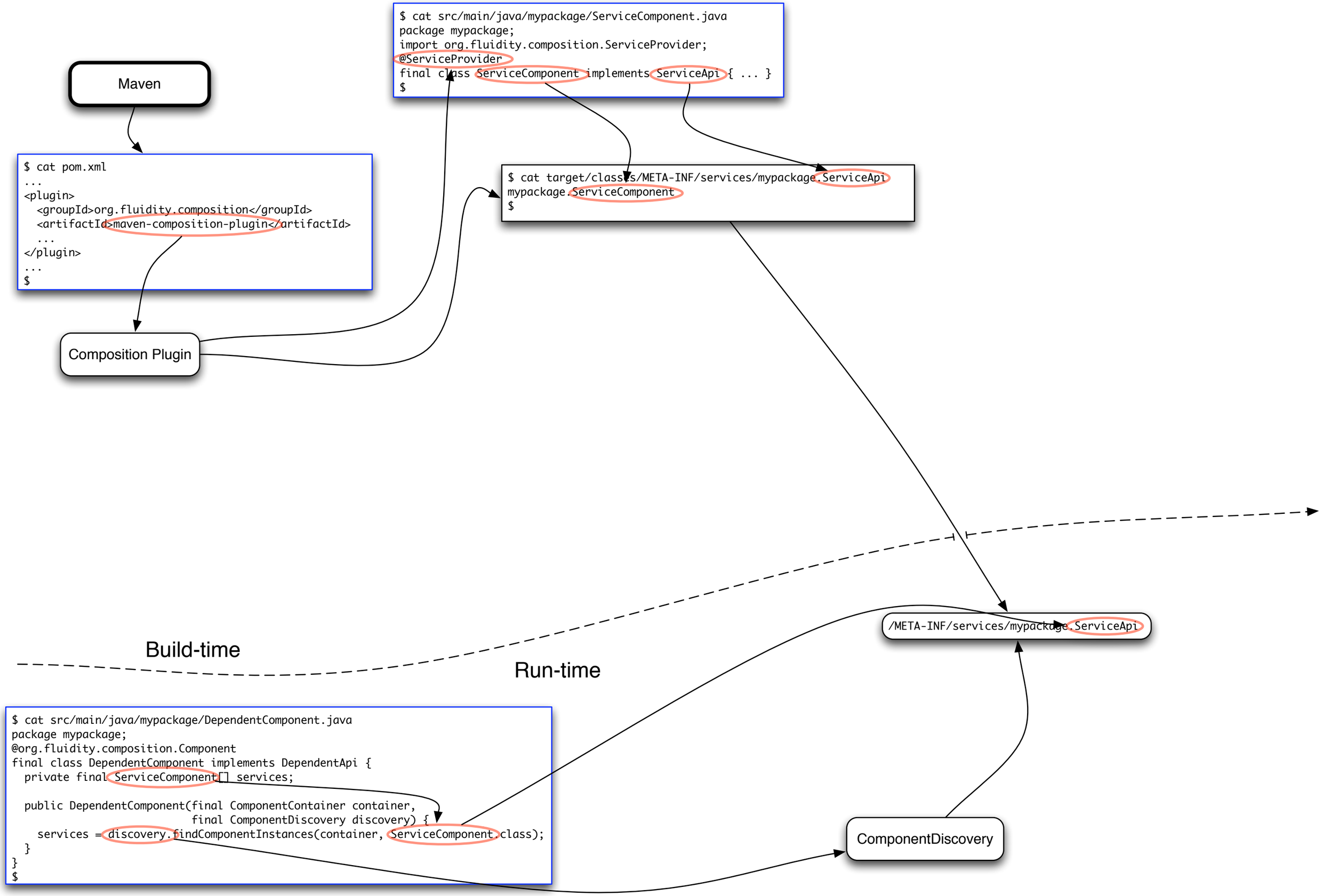

Maven
$ cat pom.xml
...
<plugin>
<groupId>org.fluidity.composition</groupId>
<artifactId>maven-composition-plugin</artifactId>
...
</plugin>
...
$
Composition Plugin
$ cat src/main/java/mypackage/AutoComponent.java
package mypackage;
import org.fluidity.composition.Component;
@Component
final class AutoComponent implements AutoApi { ... }
$
$ cat src/main/java/mypackage/ManualComponent.java
package mypackage;
final class ManualComponent implements ManualApi { ... }
$
$ cat PackageBindingsImpl.java
package mypackage;
import org.fluidity.composition.PackageBindings
final class PackageBindingsImpl extends EmptyPackageBindings {
public void registerComponents(ComponentContainer.Registry registry) {
registry.bind(ManualApi.class, ManualComponent.class);
}
}
$
$ cat src/main/resources/META-INF/services/org.fluidity.composition.PackageBindings
mypackage.PackageBindingsImpl
$
$ jad target/classes/mypcakage/PackageBindings\$MyProject.class
package mypackage;
import org.fluidity.composition.PackageBindings
final class PackageBindings$MyProject extends EmptyPackageBindings {
public void registerComponents(ComponentContainer.Registry registry) {
registry.bind(AutoApi.class, AutoComponent.class);
}
}
$
$ cat target/classes/META-INF/services/org.fluidity.composition.PackageBindings
mypackage.PackageBindingsImpl
mypackage.PackageBindings$MyProject
$
/META-INF/services/org.fluidity.composition.PackageBindings
Build-time
Run-time
PackageBindingsImpl
ComponentDiscovery
PicoContainer
ManualComponent
AutoComponent
PackageBindings$MyProject
ContainerBootstrap


Maven
$ cat pom.xml
...
<plugin>
<groupId>org.fluidity.composition</groupId>
<artifactId>maven-composition-plugin</artifactId>
...
</plugin>
...
$
Composition Plugin
$ cat src/main/java/mypackage/ServiceComponent.java
package mypackage;
import org.fluidity.composition.ServiceProvider;
@ServiceProvider
final class ServiceComponent implements ServiceApi { ... }
$
$ cat target/classes/META-INF/services/mypackage.ServiceApi
mypackage.ServiceComponent
$
/META-INF/services/mypackage.ServiceApi
Build-time
Run-time
$ cat src/main/java/mypackage/DependentComponent.java
package mypackage;
@org.fluidity.composition.Component
final class DependentComponent implements DependentApi {
private final ServiceComponent[] services;
public DependentComponent(final ComponentContainer container,
final ComponentDiscovery discovery) {
services = discovery.findComponentInstances(container, ServiceComponent.class);
}
}
$
ComponentDiscovery