@RunWith(Arquillian.class) "Production Near" JavaEE Testing

Andy Gumbrecht
@AndyGeeDe
#TomEE

Don't be a Fmek

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- Befriend Arquillians – That's är-ki-lē-əns

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  - They're not going to destroy the Earth

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- What type of test?
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  - Functional?
  - All of the above? You are on the right path!

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  - On the build tool

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- Tests should be executable
  - On the developer IDE
  - On the build tool
  - Within existing test frameworks

The Basics

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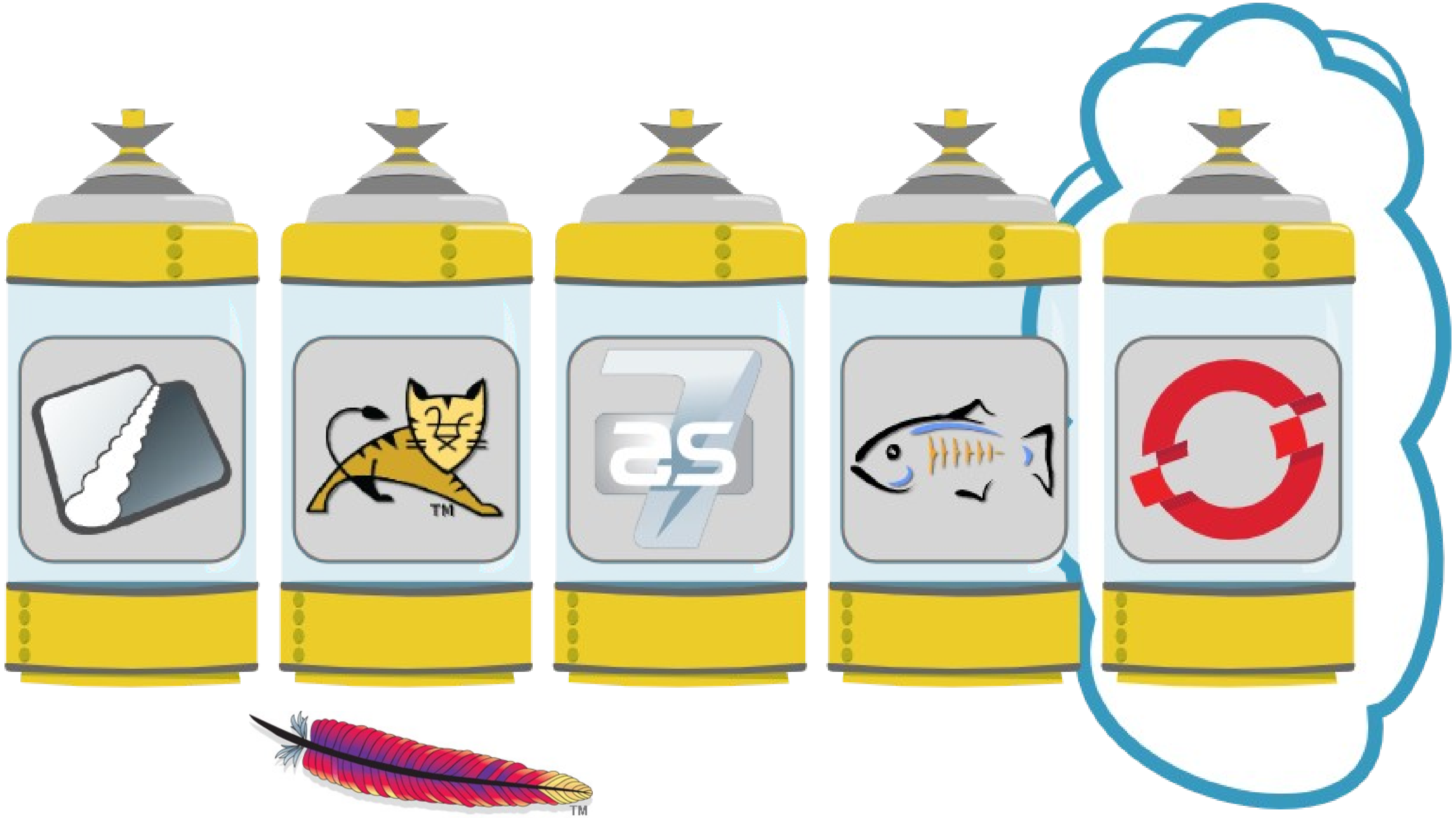
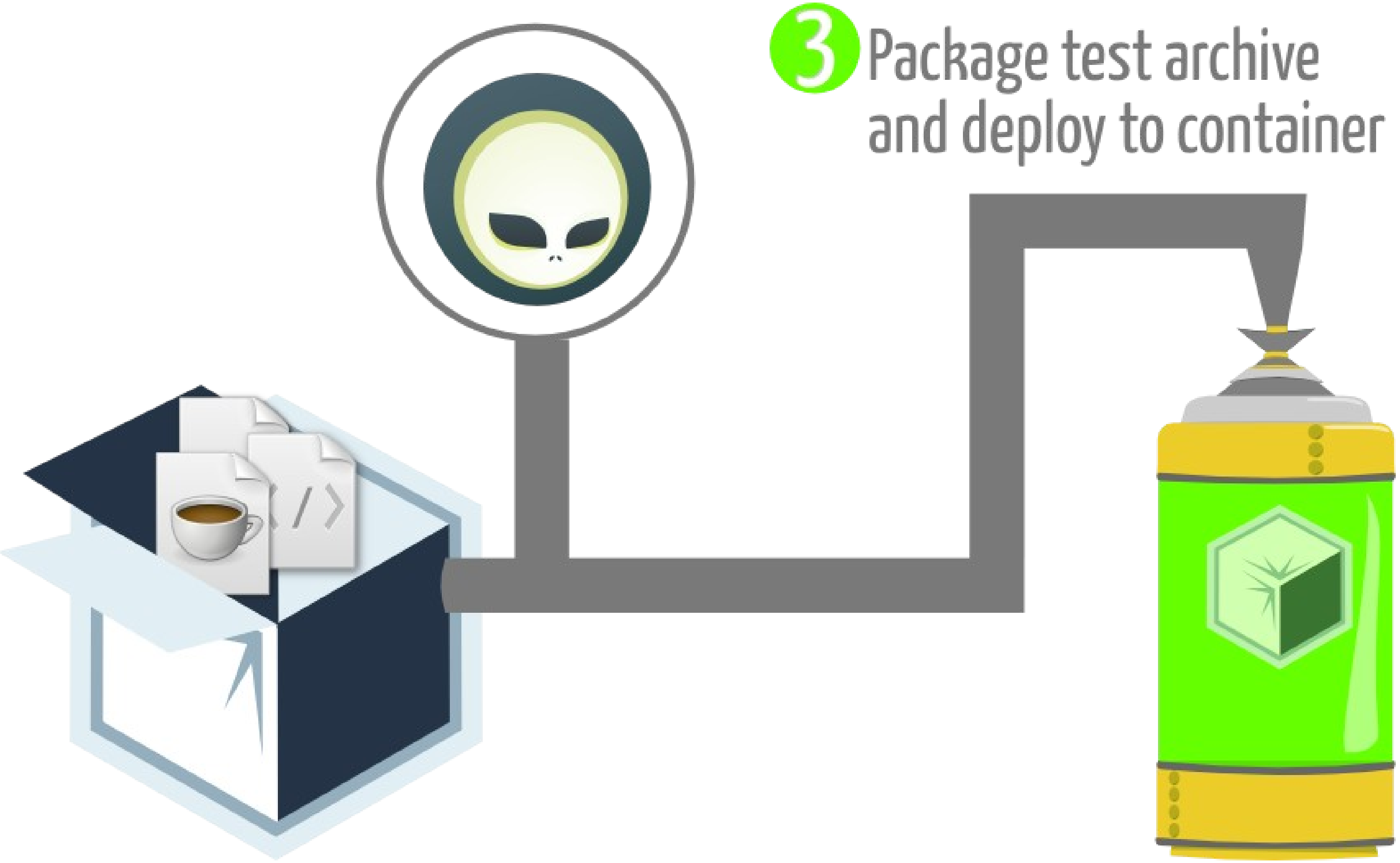
1 Select a container



The Basics

2 Start or connect to a container

The Basics



The Basics

3 Package test archive and deploy to container

```
ShrinkWrap.create(JavaArchive.class)
    .addClasses(x)
    .addPackages(x.z)

ShrinkWrap.create(WebArchive.class)
    .addAsLibraries(x)
    .addAsWebInfResource(x)
    .setWebXML(z)

ShrinkWrap.create(EnterpriseArchive.class)
    .addAsModules(war, jar)
    .setApplicationXML(x)
```

The Basics

4 Run test in-container

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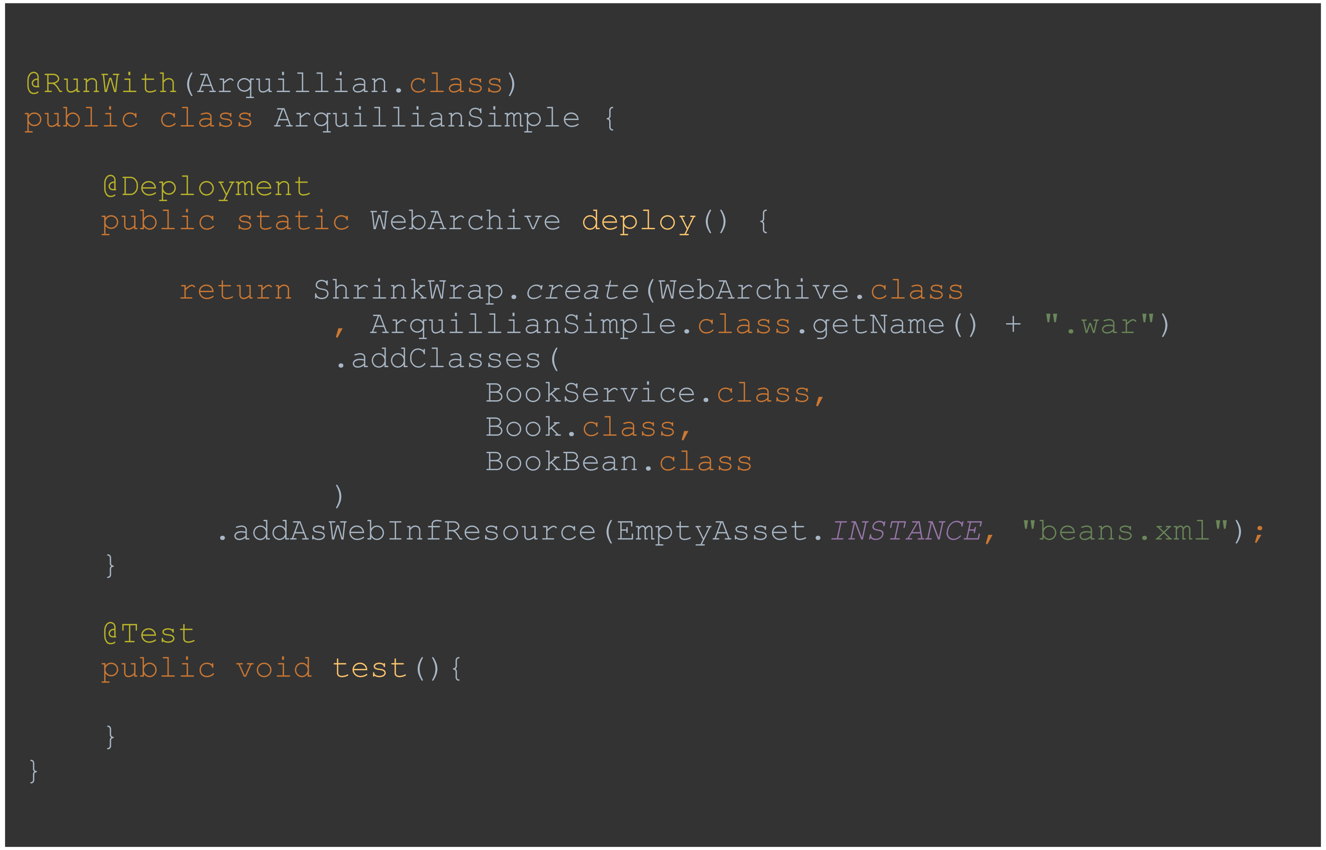
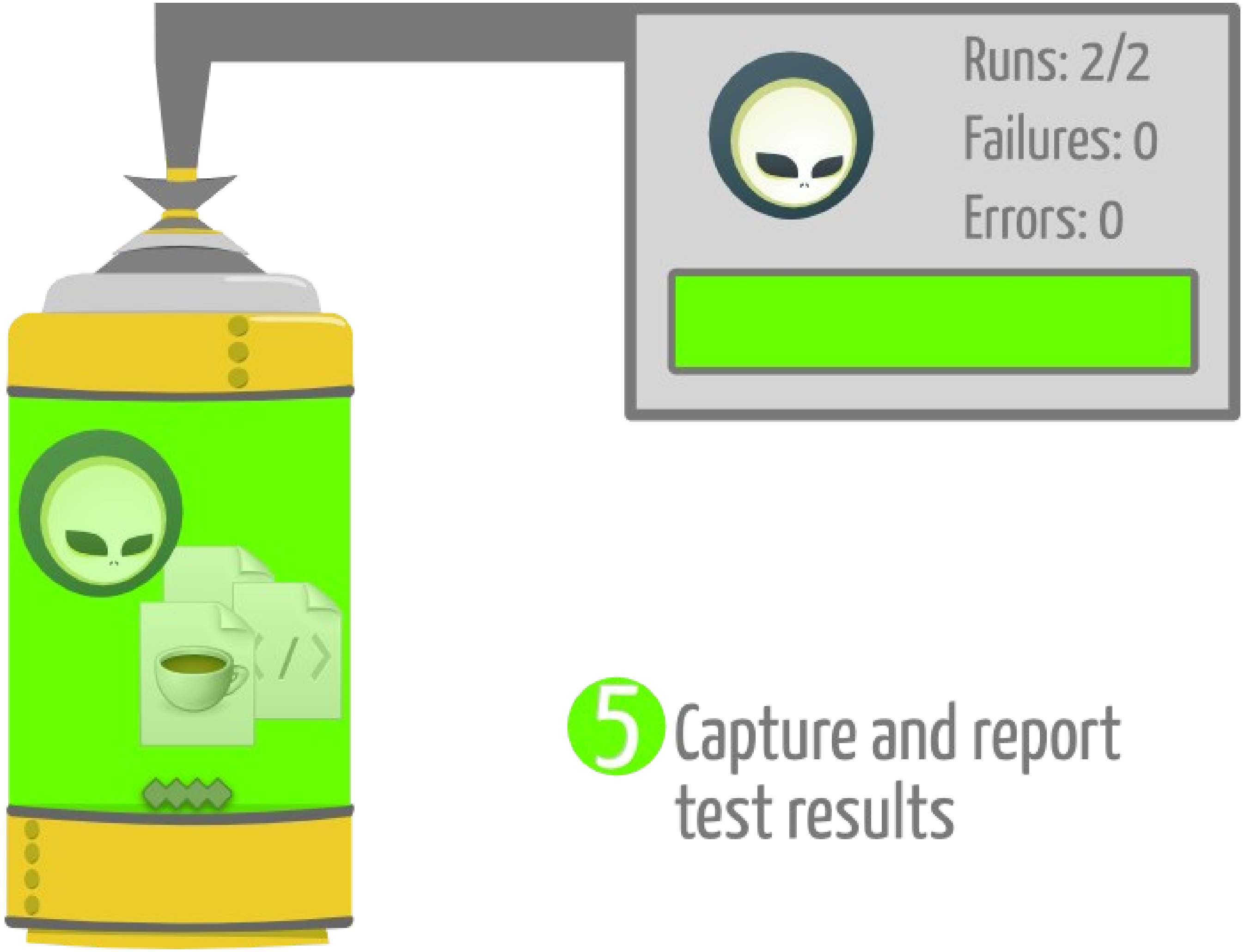


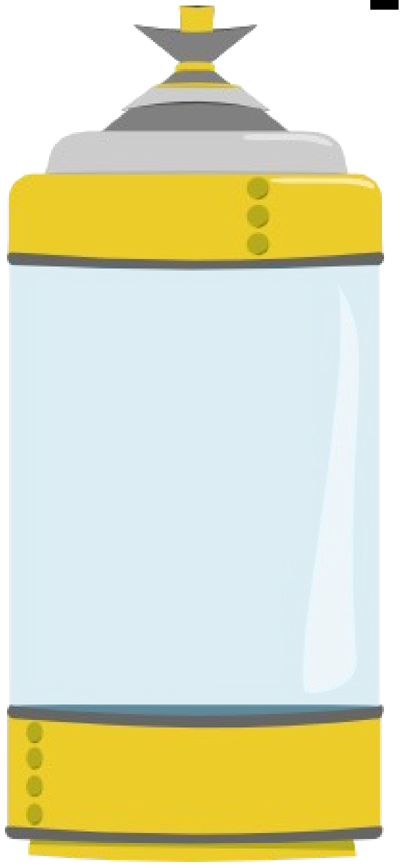
```
@RunWith(Arquillian.class)
public class ArquillianSimple {

    @Deployment
    public static WebArchive deploy() {

        return ShrinkWrap.create(WebArchive.class
                , ArquillianSimple.class.getName() + ".war")
                .addClasses(
                        BookService.class,
                        Book.class,
                        BookBean.class
                )
          .addAsWebInfResource(EmptyAsset.INSTANCE, "beans.xml");
    }

    @Test
    public void test(){

    }
}
```

The Basics



5 Capture and report test results

The Basics



6 Undeploy test archive and stop or disconnect from container

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Let's see some code...