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JBOSS EAP QE / RED HAT

INTEGRATION TESTS

Arquillian provides a simple way how to write integration tests



SHOW ME THE CODE!

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

    @Deployment
    public static Archive<?> war() {
        return ShrinkWrap.create(WebArchive.class, "test.war")
            .addClasses(TheBean.class)
            .setWebXML(new File("src/test/web.xml"));
    }

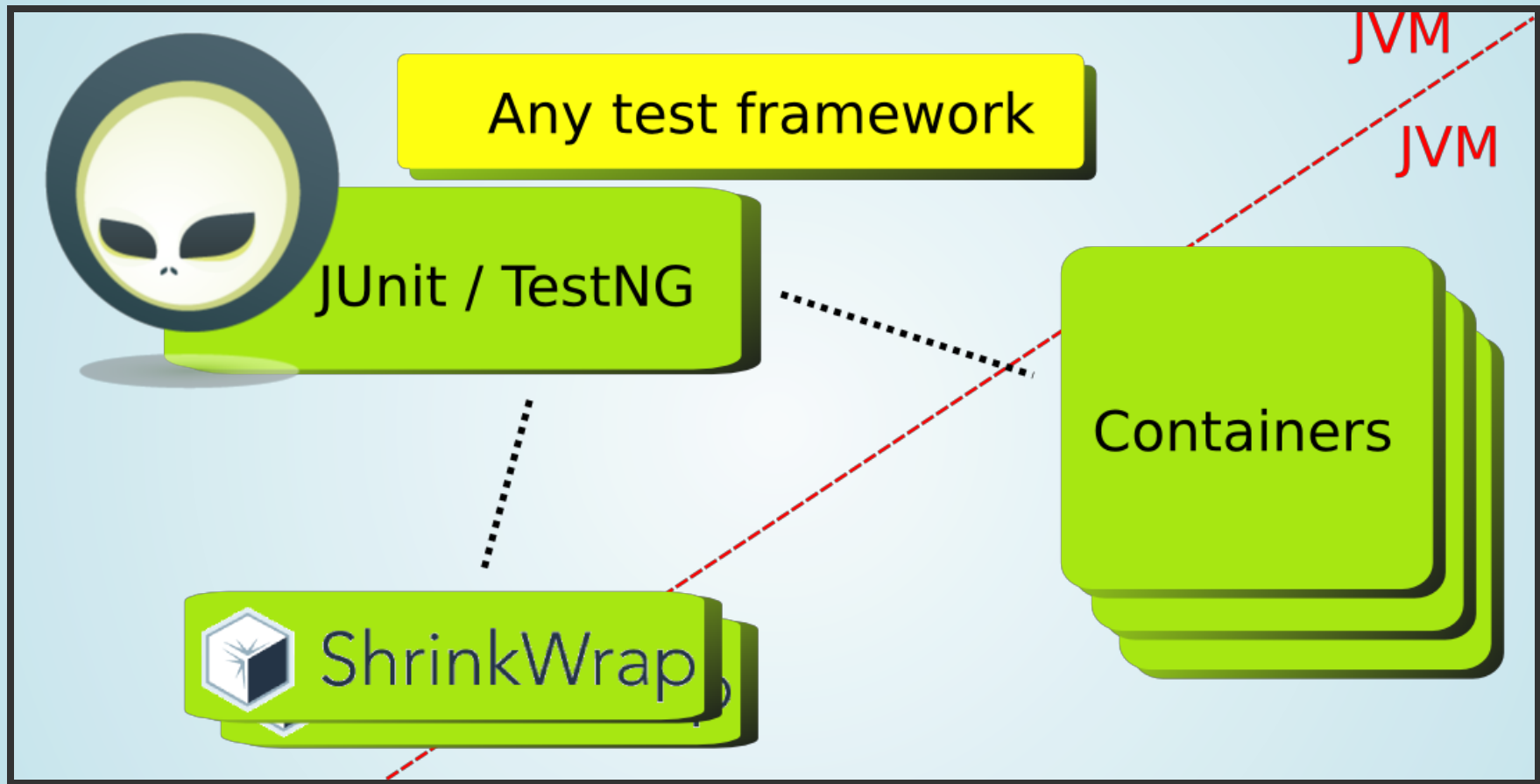
    @Test
    public void testExtraFeature() {
        //...
    }
}
```

DEPLOYMENTS

Use the ShrinkWrap, Luke!



CONTAINERS



@ DEPLOYMENT

```
@Deployment
public static WebArchive createTestArchive() {
    File[] mavenResolvedLibs = Maven.resolver().loadPomFromFile("pom.xml")
        .resolve("org.jboss.solder:solder-impl")
        .withMavenCentralRepo(false).withTransitivity()
        .as(File.class);
    return ShrinkWrap.create(WebArchive.class).addClass(VetoBean.class)
        .addAsLibraries(mavenResolvedLibs)
        .addAsWebInfResource(EmptyAsset.INSTANCE, "beans.xml");
}

@Deployment(testable=false, managed=false, name="app2", order=2)
public static WebArchive createDeployment2() {
    return ...;
}
```

INJECTION

```
@Inject
private Instance<VetoBean> vetodInstance;

@Test
public void validateBeanNotInstalled() {
    assertTrue(vetodInstance.isUnsatisfied());
}
```


SERVER SETUP TASKS

```
@RunWith(Arquillian.class)
@ServerSetup({ LdapExtLDAPServerSetupTask.SystemPropertiesSetup.class,
               LdapExtLDAPServerSetupTask.class,
               LdapExtLoginModuleTestCase.SecurityDomainsSetup.class })
@RunAsClient
public class LdapExtLoginModuleTestCase {
    // ...
}
```

EXTENSIONS & SUPPORTED FRAMEWORKS

Selenium, Byteman, Drone, Graphene, ...

SHOW ME MORE CODE!

```
@BMRules (
  @BMRule (
    name = "Throw exception on success",
    targetClass = "StatelessTestBean",
    targetMethod = "success",
    action = "throw new java.lang.RuntimeException()" )
)
@RunWith(Arquillian.class)
public class BytemanIntegrationTestCase {

  @Deployment
  public static Archive <?> createDeployment() {
    return ...;
  }

  @EJB private StatelessTestBean bean;
  //...
}
```

THE END

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