

```

1  import org.apache.felix.framework.*;
2  import org.osgi.framework.*;
3
4  import java.util.HashMap;
5  import java.util.Map;
6
7  public class Test_Main {
8
9      private static Felix felix_framework;
10
11     public static void main(String [] args){
12
13         final Map<String, String> configMap = new HashMap<>();
14         configMap.put(Constants.FRAMEWORK_STORAGE_CLEAN, "onFirstInit");
15
16         try
17         {
18             String path_basisklasse =
19                 "file:./basisklassen/target/basisklassen-1.0.jar";
20             String path_impl1 = "file:./impl1/target/impl1-1.0.jar";
21             String path_impl2 = "file:./impl2/target/impl2-1.0.jar";
22             String path_anwendung = "file:./anwendung/target/anwendung-1.0.jar";
23
24             felix_framework = new Felix(configMap);
25             felix_framework.init();
26
27             final BundleContext context = felix_framework.getBundleContext();
28
29             System.out.println("##### INSTALL #####");
30             System.out.println("Installiere: Basisklassen");
31             Bundle basisklassen = context.installBundle(path_basisklasse);
32
33             System.out.println("Installiere: Impl1");
34             Bundle impl1 = context.installBundle(path_impl1);
35
36             System.out.println("Installiere: Impl2");
37             Bundle impl2 = context.installBundle(path_impl2);
38
39             System.out.println("Installiere: anwendung");
40             Bundle anwendung = context.installBundle(path_anwendung);
41
42
43
44             System.out.println("\n##### START #####");
45             System.out.println("start: OSGI");
46             felix_framework.start();
47
48             System.out.println("start: Basisklassen ");
49             basisklassen.start();
50
51             System.out.println("start: Impl1 ");
52             impl1.start();
53
54             System.out.println("start: Impl2 ");
55             impl2.start();
56
57             System.out.println("start: anwendung ");
58             anwendung.start();
59
60
61             System.out.println("\n##### STOP #####");
62             System.out.println("stop: Basisklassen");
63             basisklassen.stop();
64
65             System.out.println("stop: Impl1");
66             impl1.stop();
67
68             System.out.println("stop: Impl2");
69             impl2.stop();
70

```

```
71         System.out.println("stop:  anwendung");
72         anwendung.stop();
73
74
75         System.out.println("\n#####  UNINSTALL  #####");
76         System.out.println("Deinstalliere:  Basisklassen");
77         basisklassen.uninstall();
78
79         System.out.println("Deinstalliere:  Impl1");
80         impl1.uninstall();
81
82         System.out.println("Deinstalliere:  Impl2");
83         impl2.uninstall();
84
85         System.out.println("Deinstalliere:  anwendung");
86         anwendung.uninstall();
87
88
89         System.out.println("\nstop:  OSGI");
90         felix_framework.stop();
91         felix_framework.waitForStop(1000);
92
93     } catch (Exception ex) {
94         ex.printStackTrace();
95     }
96
97     System.out.println("\n#####  ENDE  #####");
98 }
99
100 }
101
102
```