

**Subject:** JDK17 - Reflect API issue with set of classes only  
**Date:** Tuesday, May 23, 2023 at 3:31:13 PM Eastern Daylight Time  
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**To:** Aimreddy, Rakeshkumar, Xue, Zhongyuan  
**CC:** Vetrivel, Thileeban

**Agenda:**

I noticed that in LMS code is also pulling fields via superclass of the class and get fields. But issue is: Cause JDK17 filter **ClassLoader** completely so it doesn't pull its fields at all and so as it failed.

in JDK 17 Reflection.java - *fieldFilterMap*

```
static {
    fieldFilterMap = Map.of(
        Reflection.class, ALL_MEMBERS,
        AccessibleObject.class, ALL_MEMBERS,
        Class.class, Set.of("classLoader", "classData"),
        ClassLoader.class, ALL_MEMBERS,
        Constructor.class, ALL_MEMBERS,
        Field.class, ALL_MEMBERS,
        Method.class, ALL_MEMBERS,
        Module.class, ALL_MEMBERS,
        System.class, Set.of("security")
    );
    methodFilterMap = Map.of();
}
```

in JDK 11 Reflection.java - *fieldFilterMap*

```
static {
    Map<Class<?>,String[]> map = new HashMap<Class<?>,String[]>();
    map.put(Reflection.class,
        new String[] {"fieldFilterMap", "methodFilterMap"});
    map.put(System.class, new String[] {"security"});
    map.put(Class.class, new String[] {"classLoader"});
    fieldFilterMap = map;

    methodFilterMap = new HashMap<>();
}
```

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