
Simian Army

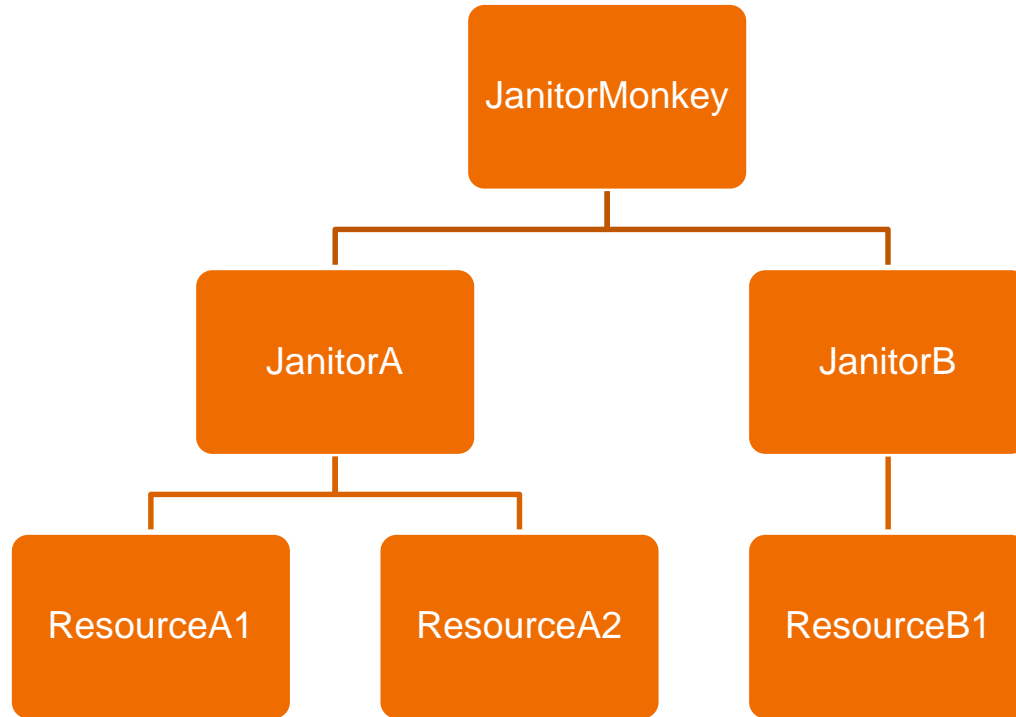
— Janitor Monkey —

What Janitor Monkey Do

- Automatically cleanup the resources that are no more needed
1. Mark the resources
 2. Notify the owners
 3. Cleanup the resources



Hierarchy



Janitor Monkey

- Opt in resources
- Opt out resources

Mark a resource

- JanitorRuleEngine
- Rule
- Exclusion Rule

Abstract Janitor

- `markResources()`
- `cleanupResources()`
- `markedResources`
- `unmarkedResources`
- `cleanedResources`
- `failToCleanResources`

Abstract Janitor — flexibility

- Leashed: boolean
- JanitorResourceTracker

```
if (!leashed) {
    resourceTracker.addOrUpdate(resource);
    if (recorder != null) {
        Event evt = recorder.newEvent(
            Type.JANITOR, EventType.UNMARK_RESOURCE, resource, resource.getId());
        recorder.recordEvent(evt);
    }
} else {
    LOGGER.info(String.format(
        "The janitor is leashed, no data change is made for unmarking the resource %s.",
        resource.getId()));
}
unmarkedResources.add(resource);
```

Abstract Janitor — abstract operation

- *postMark()*
- *cleanup()*
- *postCleanup()*

Class Diagram

