

```
1 public class LoggerRegistry<T extends ExtendedLogger> {  
2     private static final String DEFAULT_FACTORY_KEY =  
3         AbstractLogger.DEFAULT_MESSAGE_FACTORY_CLASS.getName();  
4     private final MapFactory<T> factory;  
5     private final Map<String, Map<String, T>> map;  
6  
7     public LoggerRegistry() {  
8         this(new ConcurrentMapFactory<T>());  
9     }  
10  
11     public LoggerRegistry(final MapFactory<T> factory) {  
12         this.factory = Objects.requireNonNull(factory, "factory");  
13         this.map = factory.createOuterMap();  
14     }  
15  
16     private Map<String, T> getOrCreateInnerMap(final String factoryName) {  
17         Map<String, T> inner = map.get(factoryName);  
18         if (inner == null) {  
19             inner = factory.createInnerMap();  
20             map.put(factoryName, inner);  
21         }  
22         return inner;  
23     }  
24 }  
25 }  
26
```