```
package io.scalecube.examples;
import io.scalecube.cluster.Cluster;
import io.scalecube.cluster.Member;
import io.scalecube.transport.Message;
import java.util.Collections;
import java.util.Optional;
import java.util.concurrent.TimeUnit;
 * Using Cluster metadata: metadata is set of custom parameters that may be used by
application
 * developers to attach additional business information and identifications to
cluster members.
 ^{\star} in this example we see how to attach logical name to a cluster member we nick
name Joe
 * @author ronen_h, Anton Kharenko
public class ClusterMetadataExample {
  /** Main method. */
  public static void main(String[] args) throws Exception {
    // Start seed cluster member Alice
    Cluster alice = Cluster.joinAwait();
    // Join Joe to cluster with metadata
    Cluster joe = Cluster.joinAwait(Collections.singletonMap("name", "Joe"),
alice.address());
    // Subscribe Joe to listen for incoming messages and print them to system out
    joe.listen()
        .map(Message::data)
        .subscribe(
            o -> System.err.println("joe.listen(): " + o),
ex -> System.err.println("joe.listen(): " + ex));
    // Scan the list of members in the cluster and find Joe there
    Optional < Member > joe Member Optional =
        alice
             .otherMembers()
            .stream()
             .filter(member -> "Joe".equals(alice.metadata(member).get("name")))
            .findAny();
    System.err.println("### joeMemberOptional: " + joeMemberOptional);
    // Send hello to Joe
    joeMemberOptional.ifPresent(
        member ->
            alice
                 .send(member, Message.withData("Hello
Joe").sender(alice.address()).build())
                 .subscribe(
                     null,
                     ex -> {
                       // no-op
                     }));
```

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TimeUnit.SECONDS.sleep(3);
}
```