# move()

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Participants: Actor, FileSystem, ContainerEntity, Error, SourceEntity, SourceContainer, DestinationContainer

- Actor → FileSystem: move()
- FileSystem → ContainerEntity: findEntity(source)
  - ContainerEntity → ContainerEntity: getNextContainer
  - ContainerEntity → ContainerEntity: isContainerFoundInChildren
  - ContainerEntity ⇢ Error: FileNotFoundException
  - ContainerEntity: findEntity
- ContainerEntity ⇢ FileSystem: source entity
- FileSystem → ContainerEntity: findEntity(destination)
  - ContainerEntity → ContainerEntity: getNextContainer
  - ContainerEntity → ContainerEntity: isContainerFoundInChildren
  - ContainerEntity ⇢ Error: FileNotFoundException
  - ContainerEntity: findEntity
- ContainerEntity ⇢ FileSystem: destination container
- FileSystem ⇢ Error: PathAlreadyExistsException
- FileSystem ⇢ Error: IllegalFileSystemOperationException
- FileSystem → SourceEntity: getParentContainer
- SourceEntity ⇢ SourceContainer
- SourceContainer ⇢ FileSystem: parent
- FileSystem → SourceContainer: removeEntity