

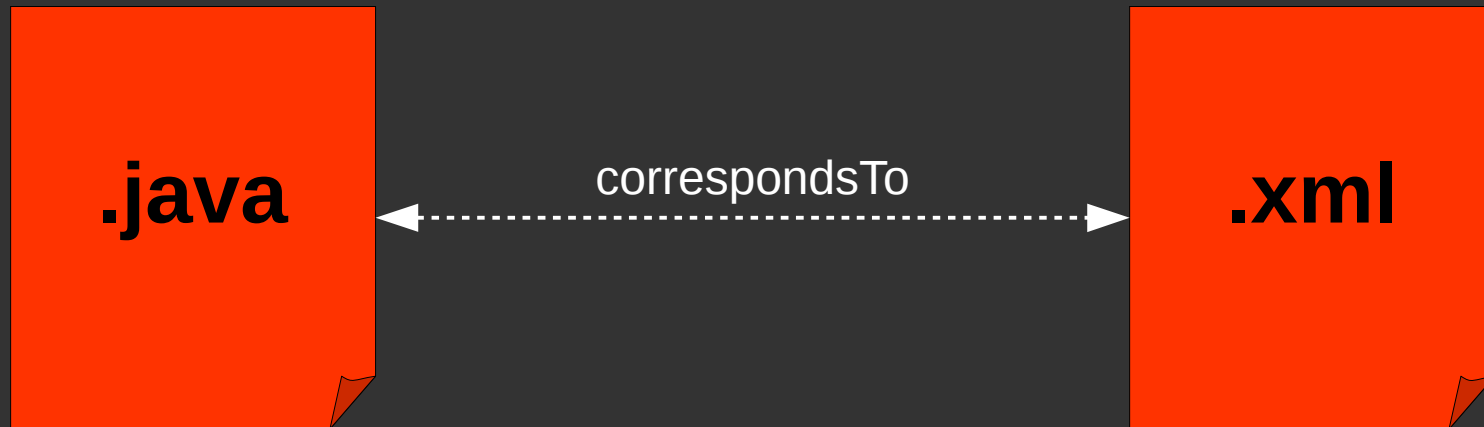
# MegaL Traceability Recovery

<https://github.com/maxmeffert/megal-tr>

**Softlang Sync Meeting  
2016-03-07**

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# We Know



# We Assume

```
public class Company {
```

```
    private String name;
```

```
    private Employee[] employees;
```

```
    public getName() {...}
```

```
    public setName(...) {...}
```

```
    public getEmployees() {}
```

```
    public setEmployees(...) {...}
```

```
}
```

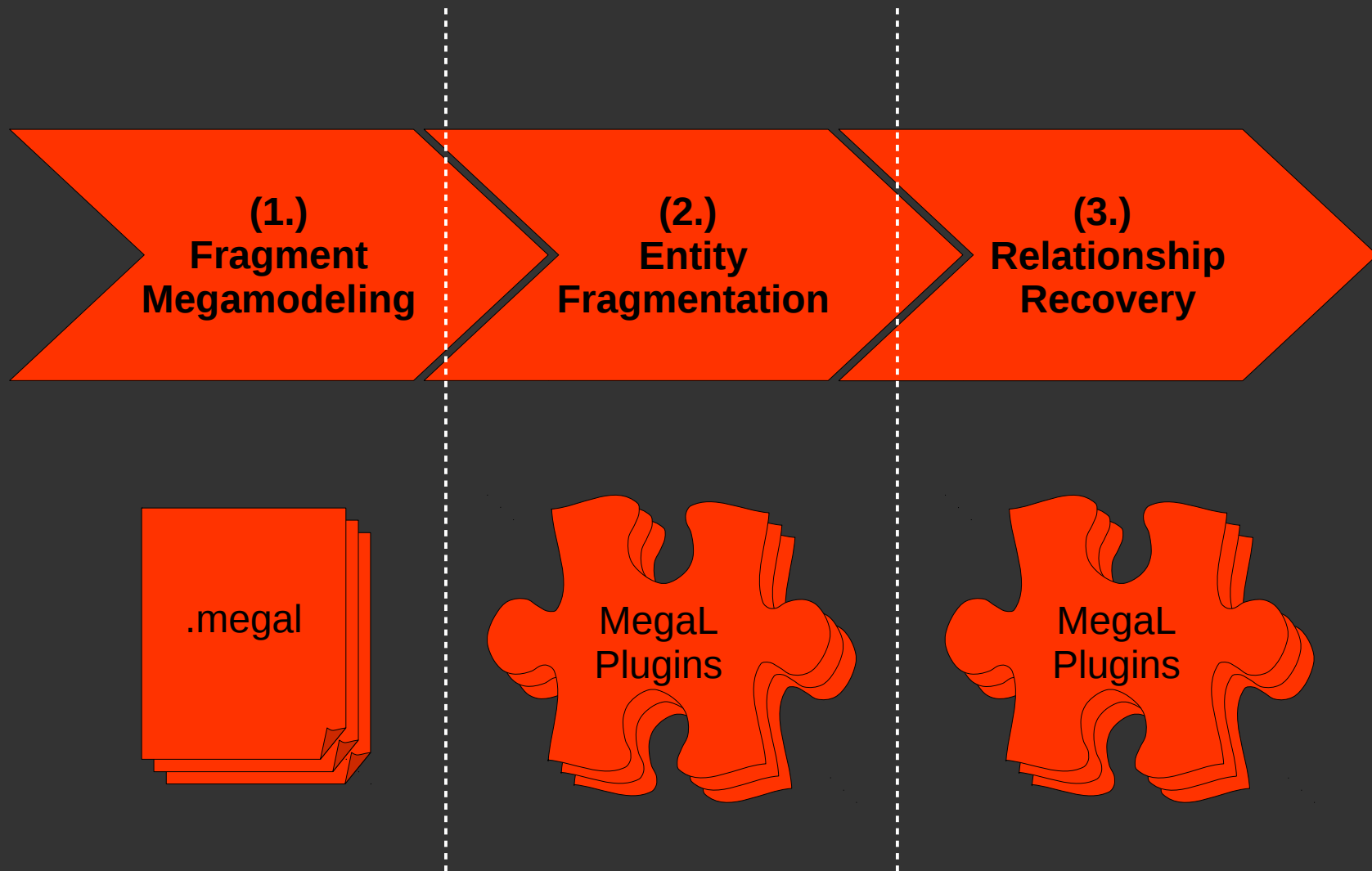
```
<company>
```

```
    <name> ... </name>
```

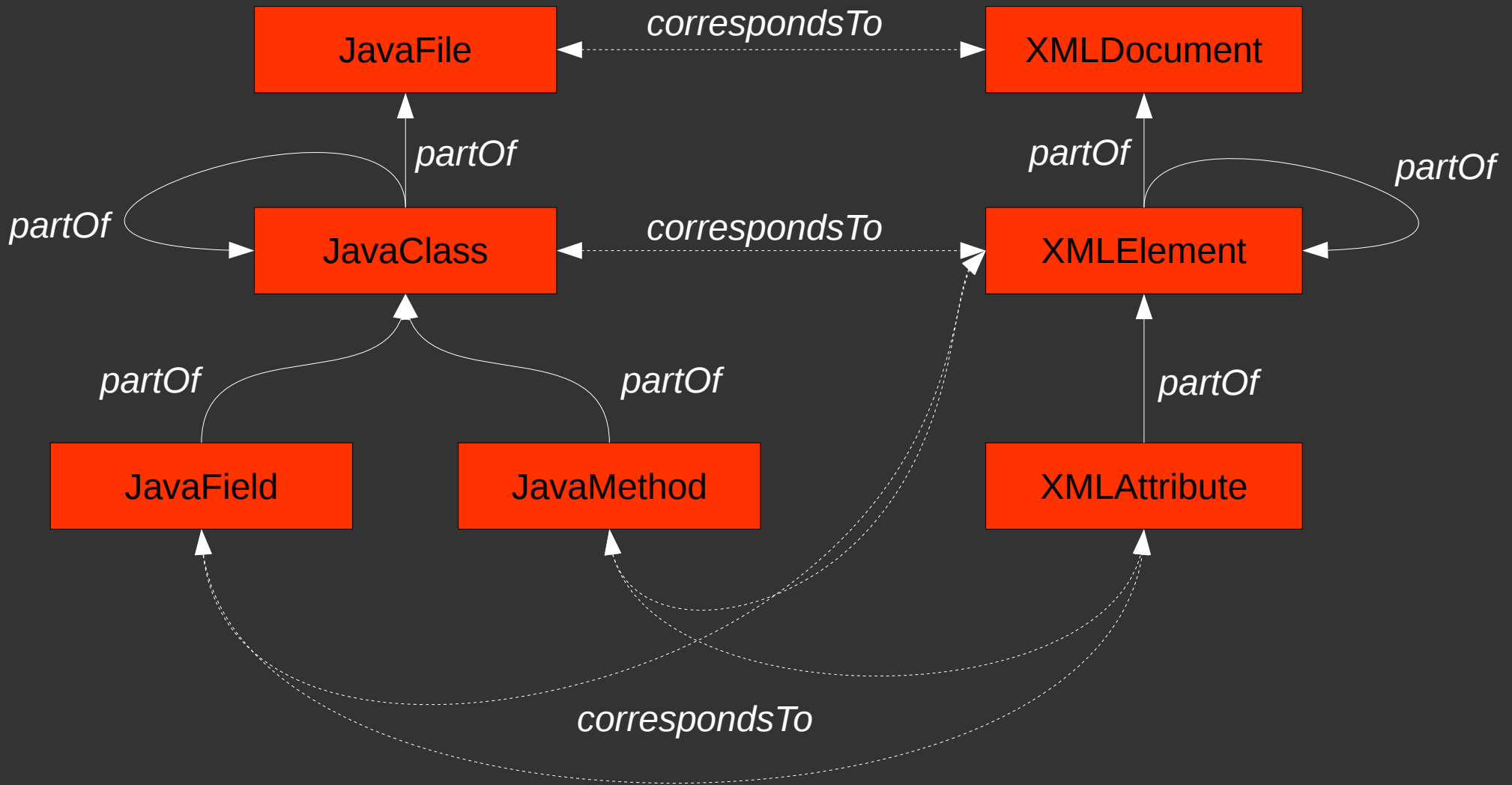
```
    <employees> ... </employees>
```

```
</company>
```

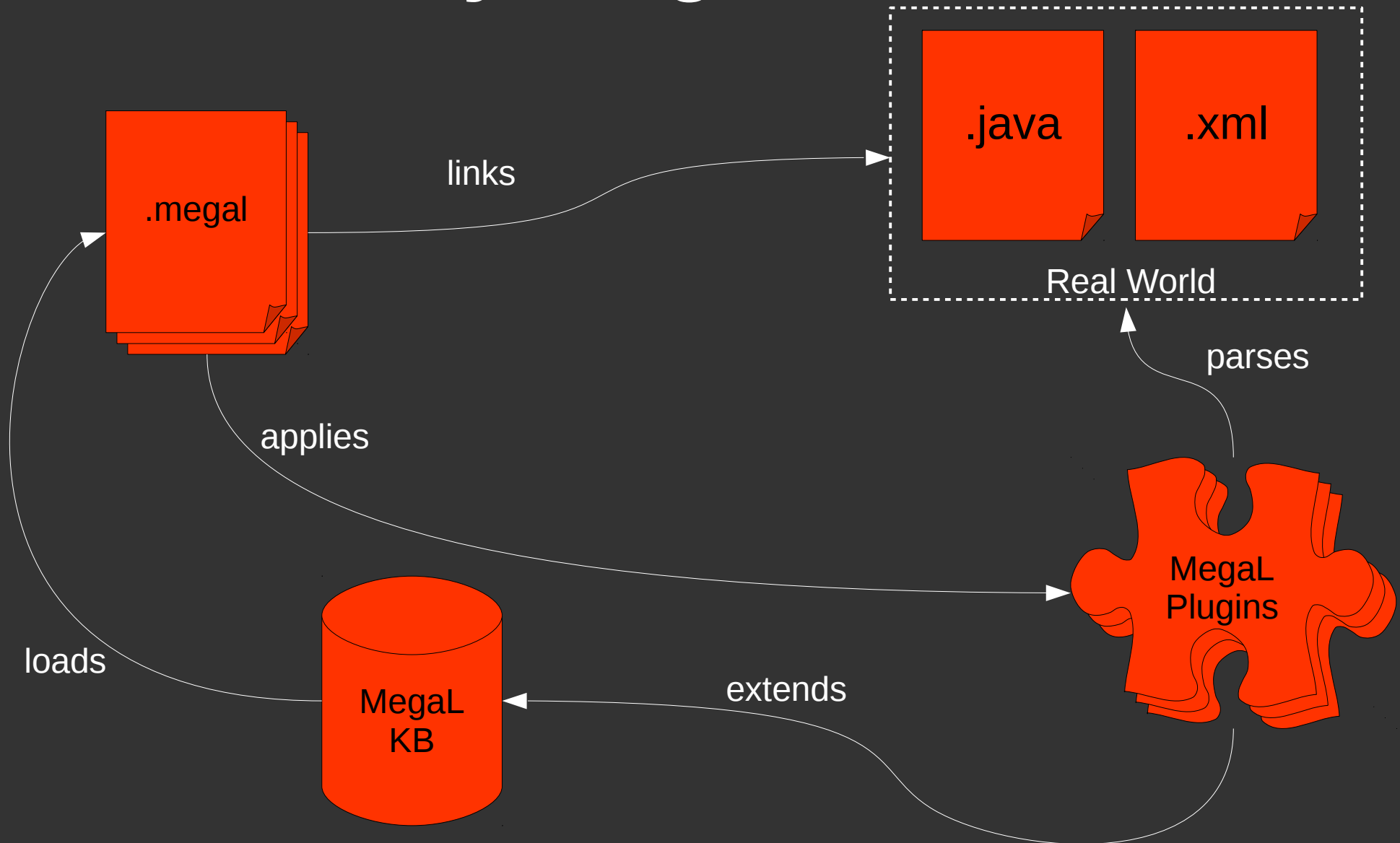
# Recovery Phases



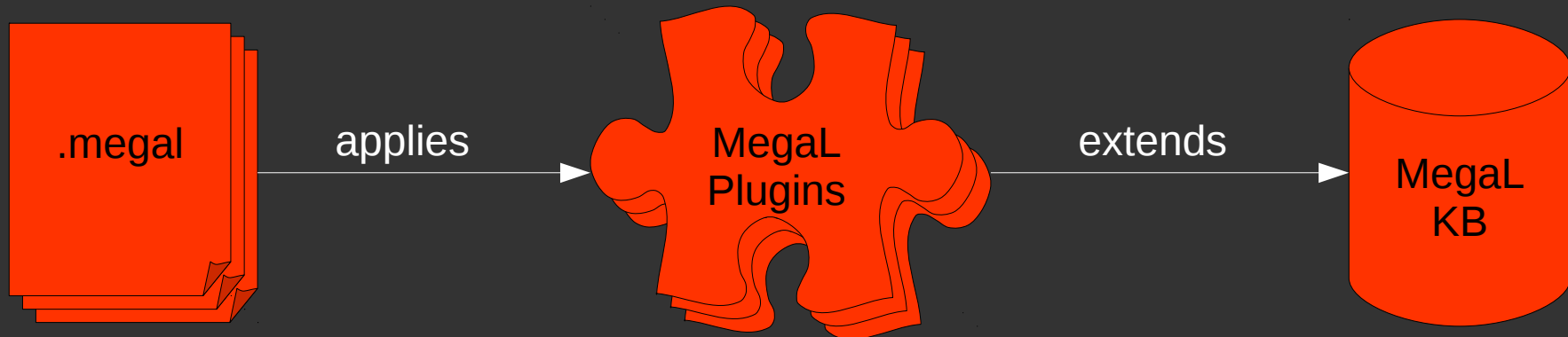
# Fragment Megamodeling



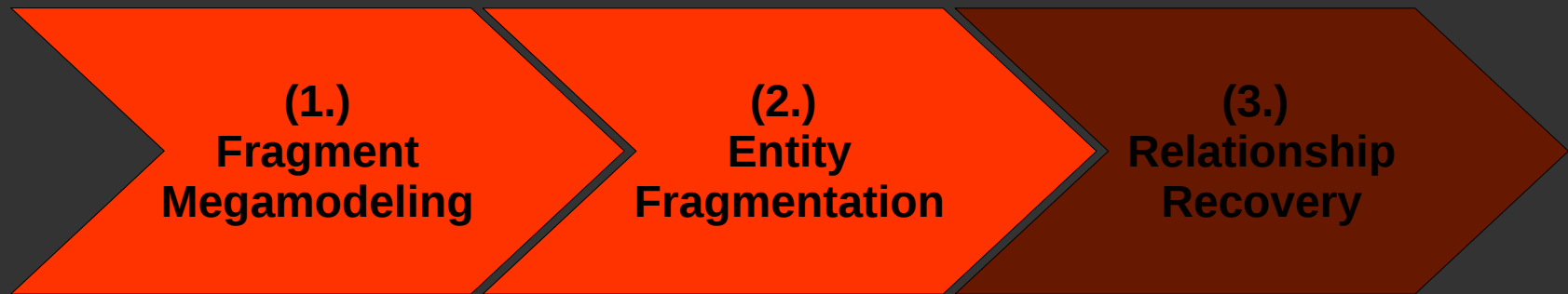
# Entity Fragmentation



# Relationship Recovery



# Current State



(1.) Create sufficient Fragment Megamodels

(2.) Create an **ANTLR** based fragmentation infrastructure to utilize its grammar zoo  
(<https://github.com/antlr/grammars-v4>)



# Current Challenges



## Java Method Overloading

## Java Method Parameters