

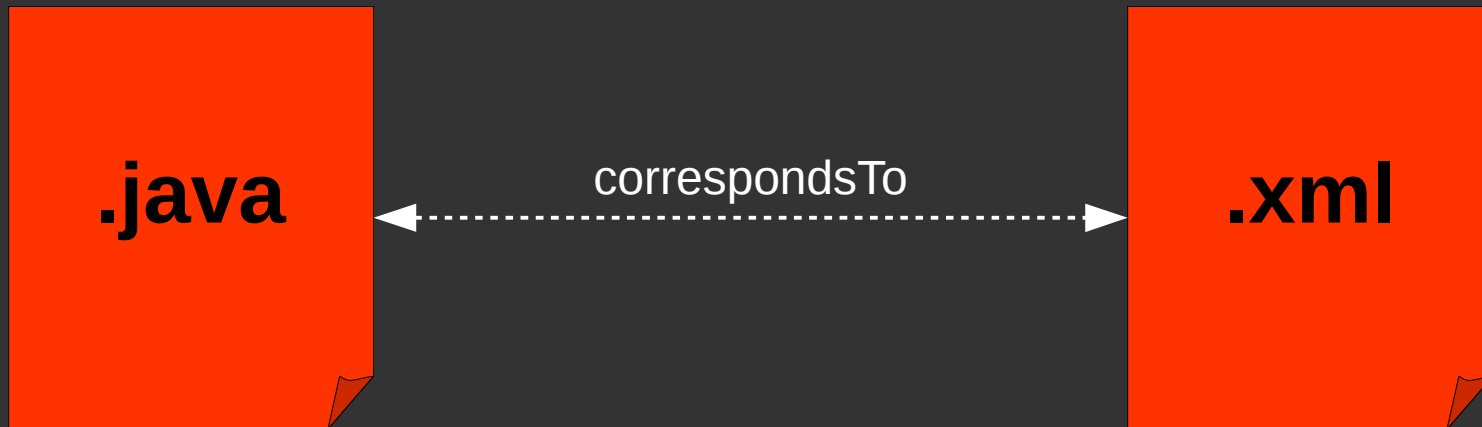
MegaL Traceability Recovery

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

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

*University of Koblenz-Landau
Maximilian Meffert*

We Know

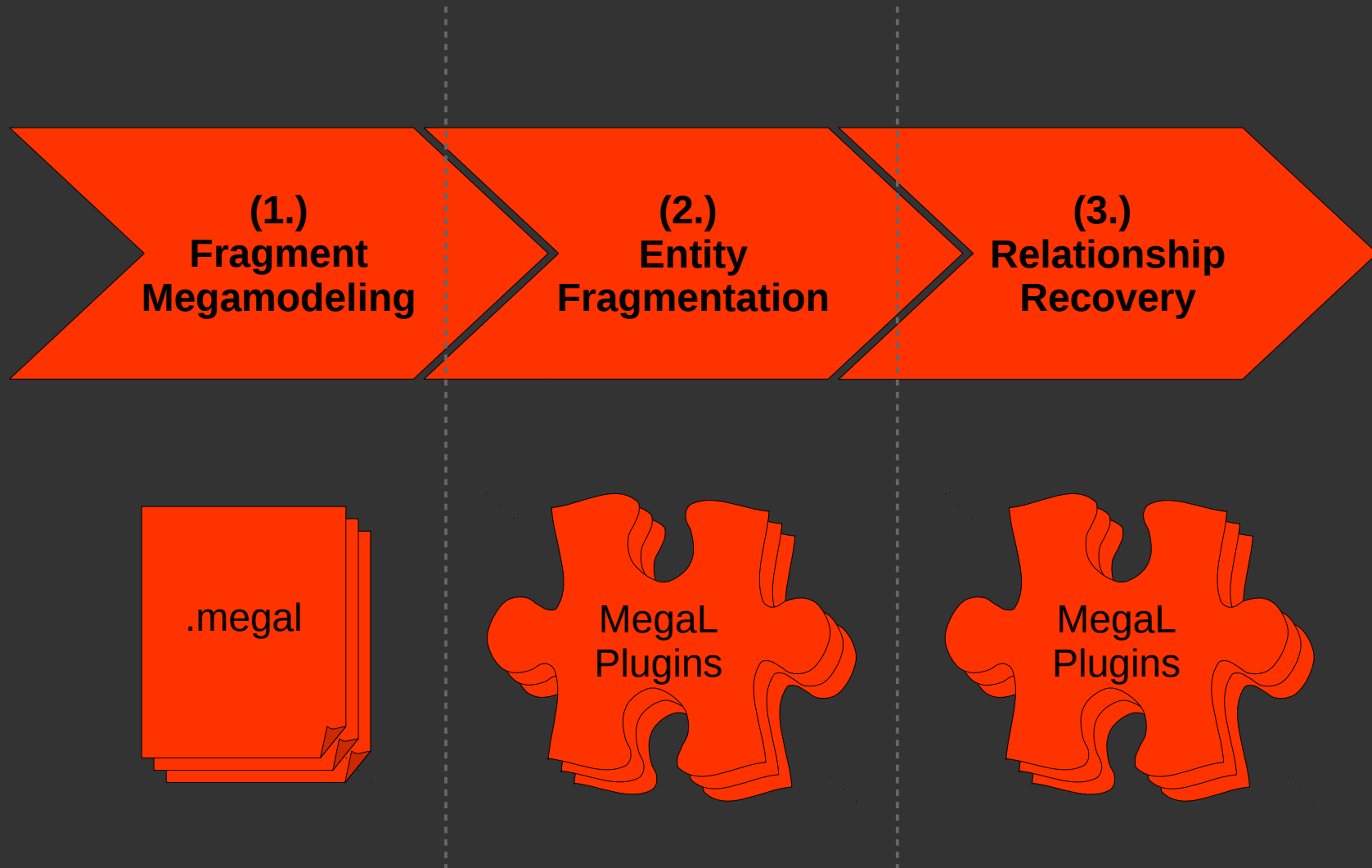


We Assume

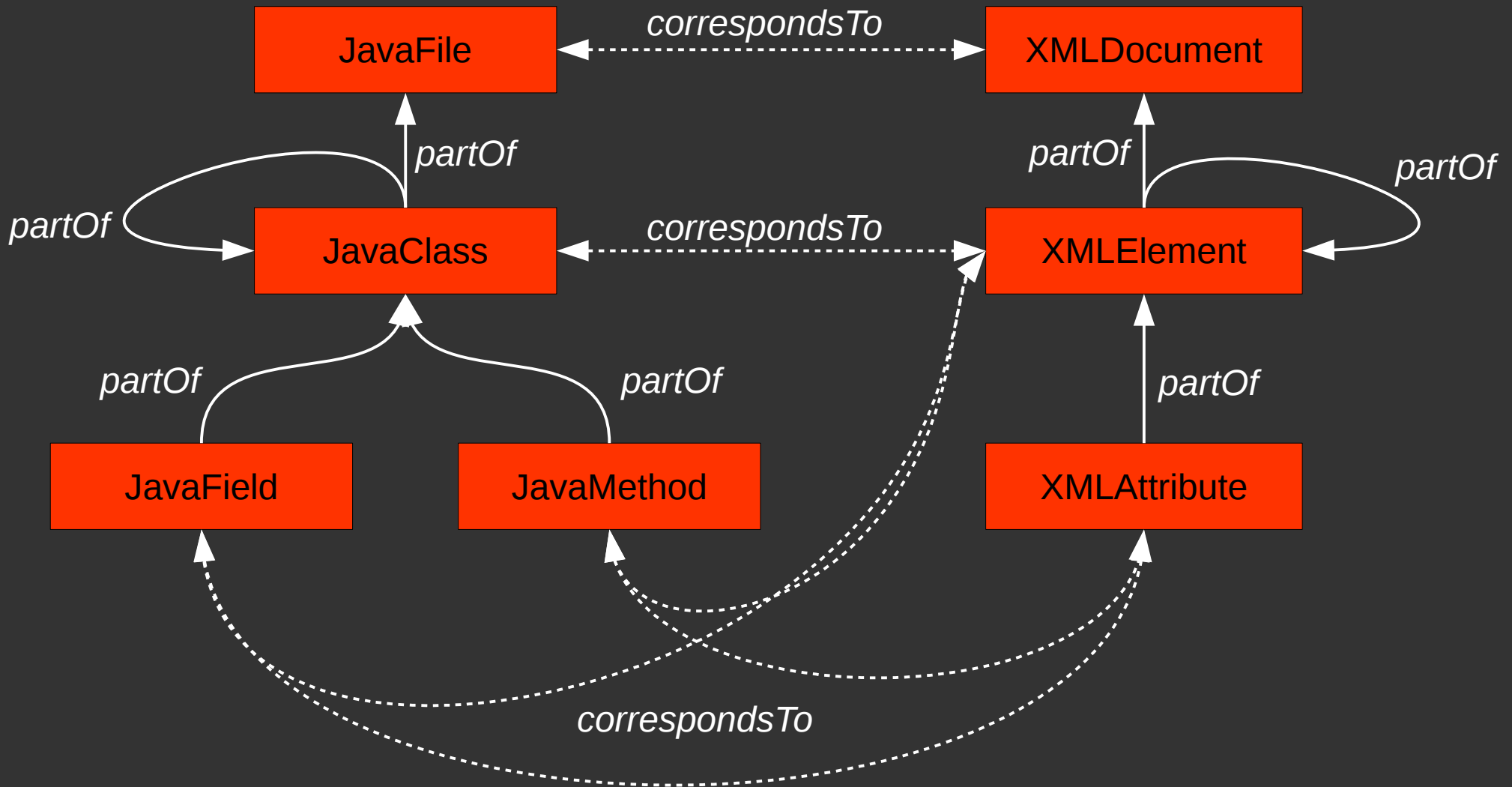
```
public class Company {  
    private String name;  
    private Employee[] employees;  
    public getName() {...}  
    public setName(...) {...}  
    public getEmployees() {}  
    public setEmployees(...) {...}  
}
```

```
<company>  
  <name> ... </name>  
  <employees> ... </employees>  
</company>
```

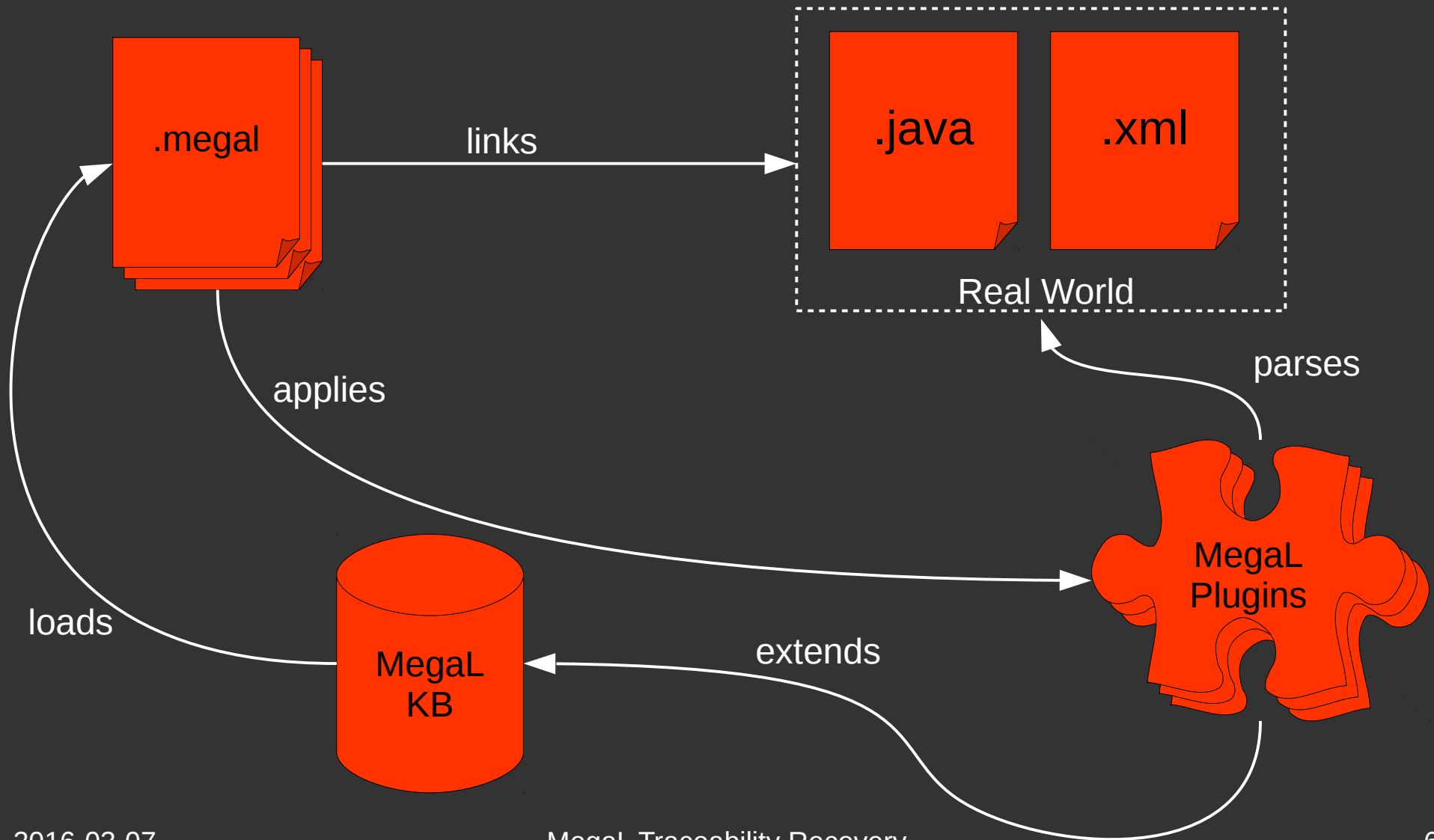
Recovery Phases



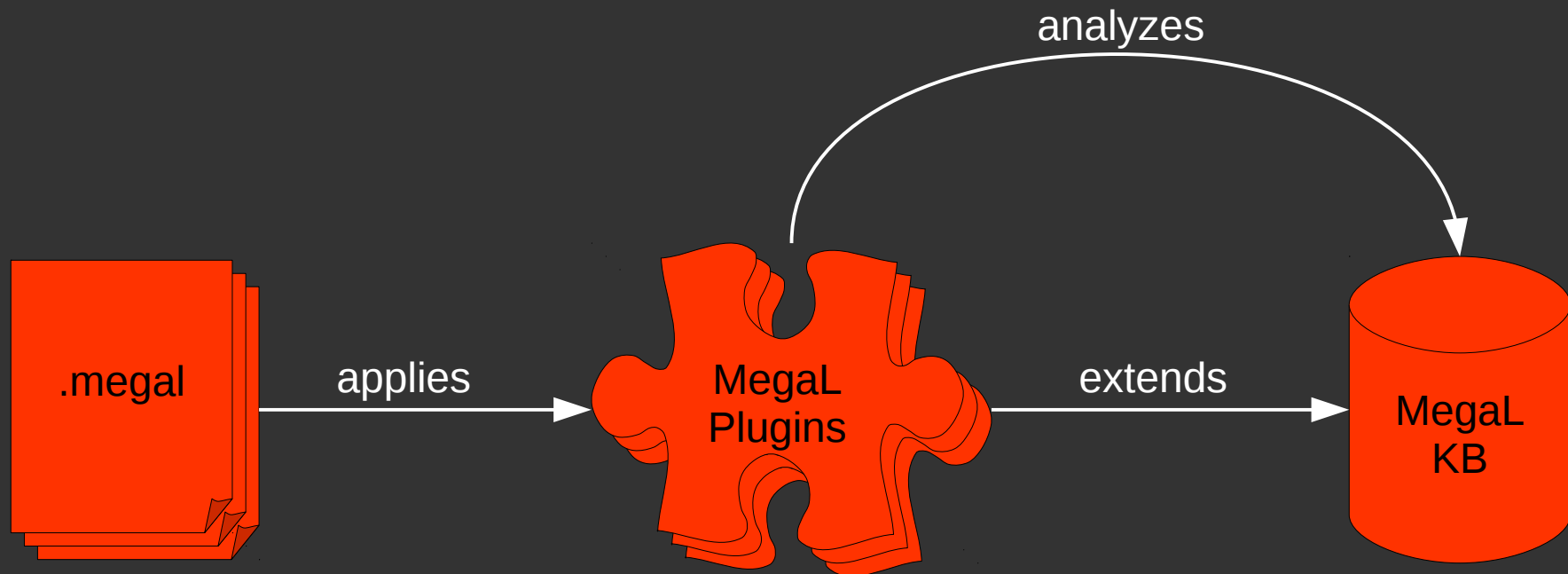
(1.) Fragment Megamodeling



(2.) Entity Fragmentation



(3.) Relationship Recovery



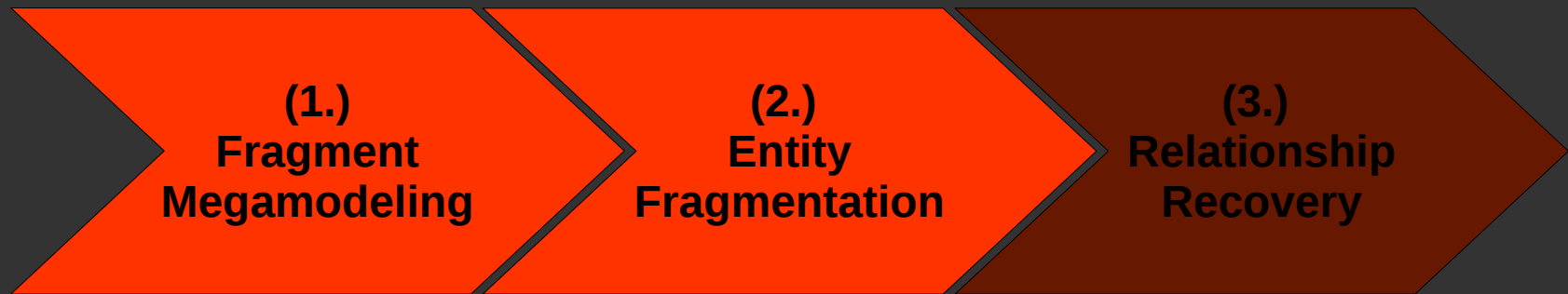
Current Challenges



Java Method Overloading

Java Method Parameters

Current State



Create sufficient Fragment Megamodels

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