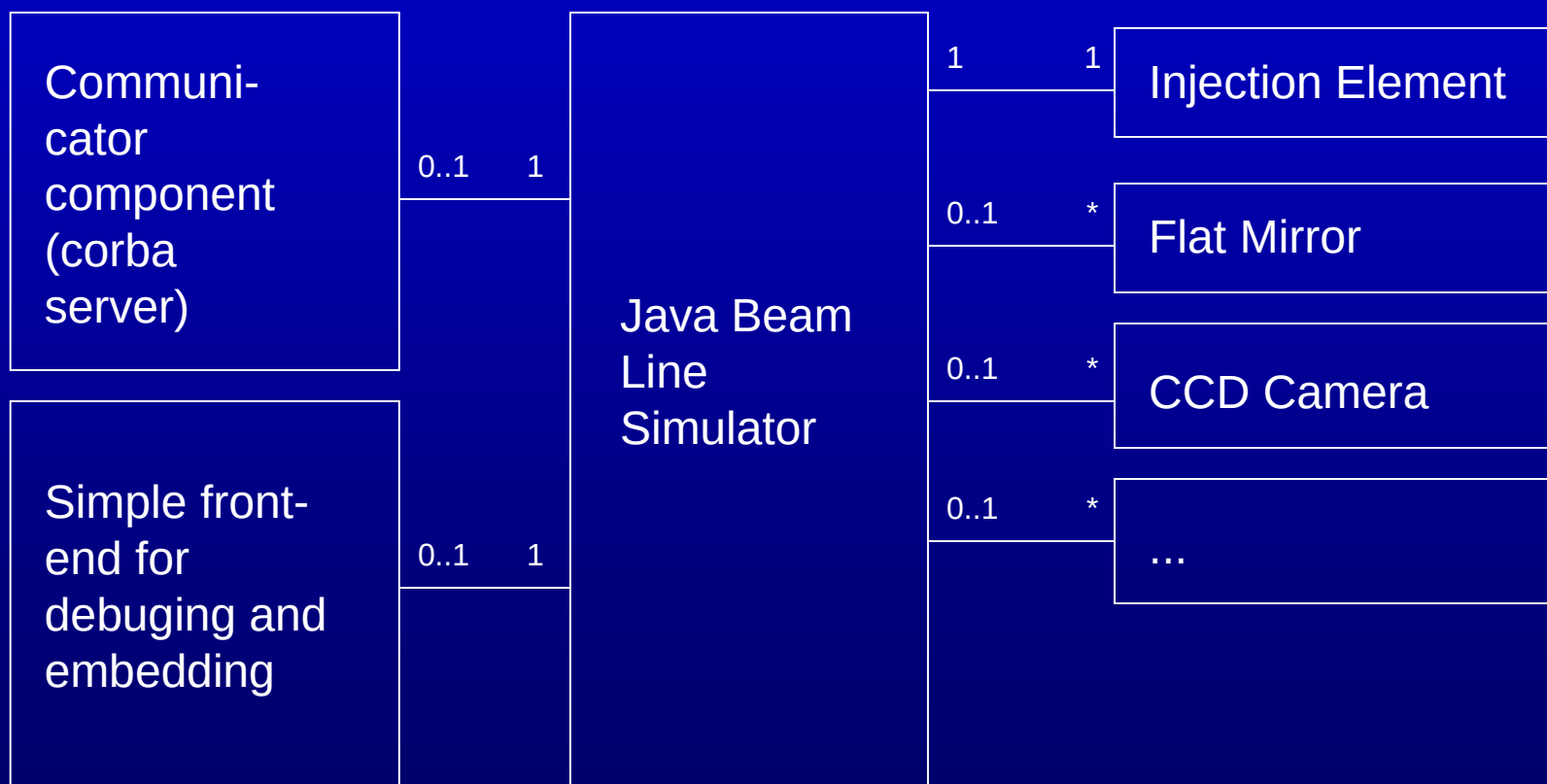


Main components

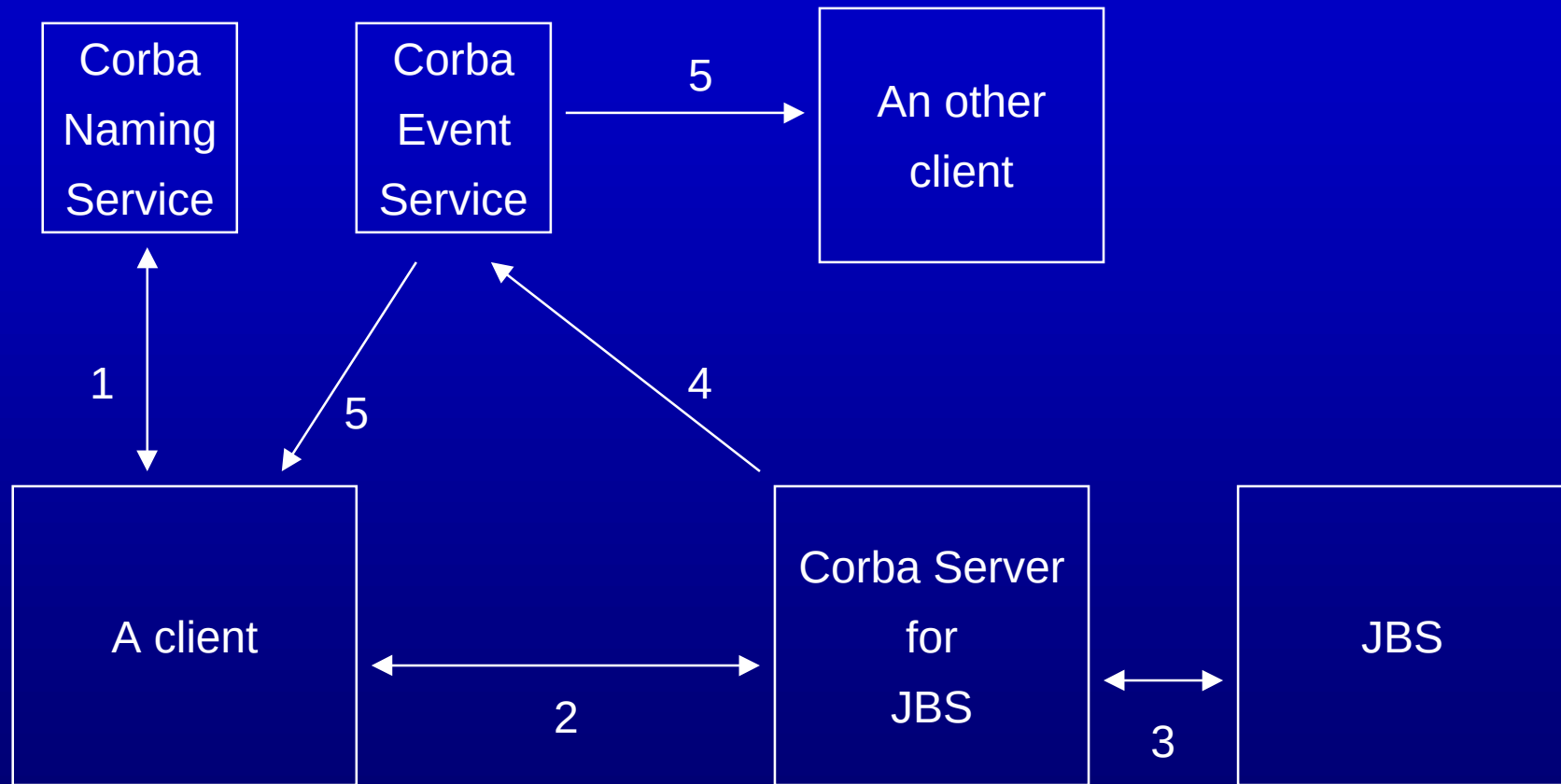
Different possible
Front-End

Main Java
Bean

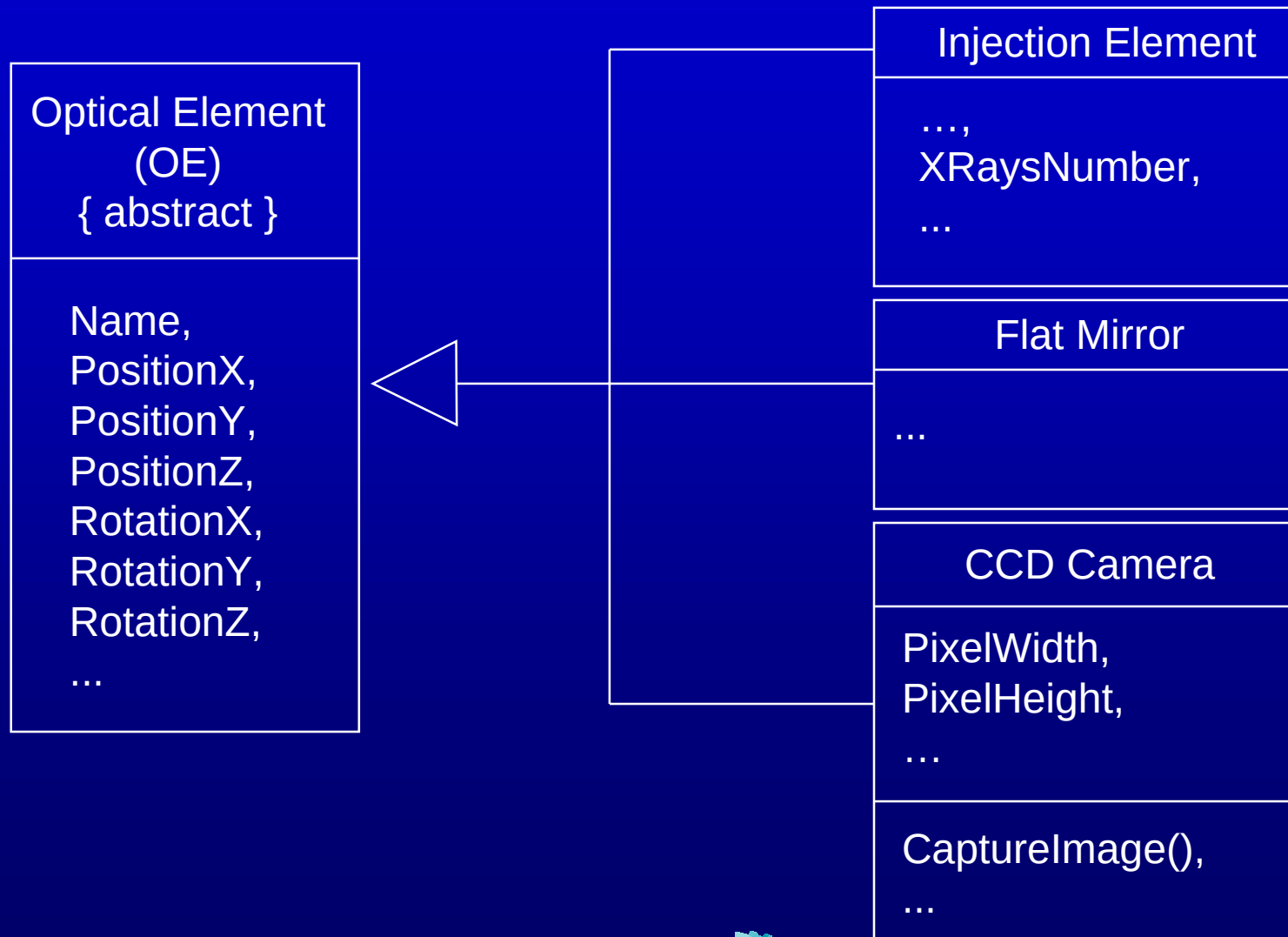
Java Beans
dynamically
loaded



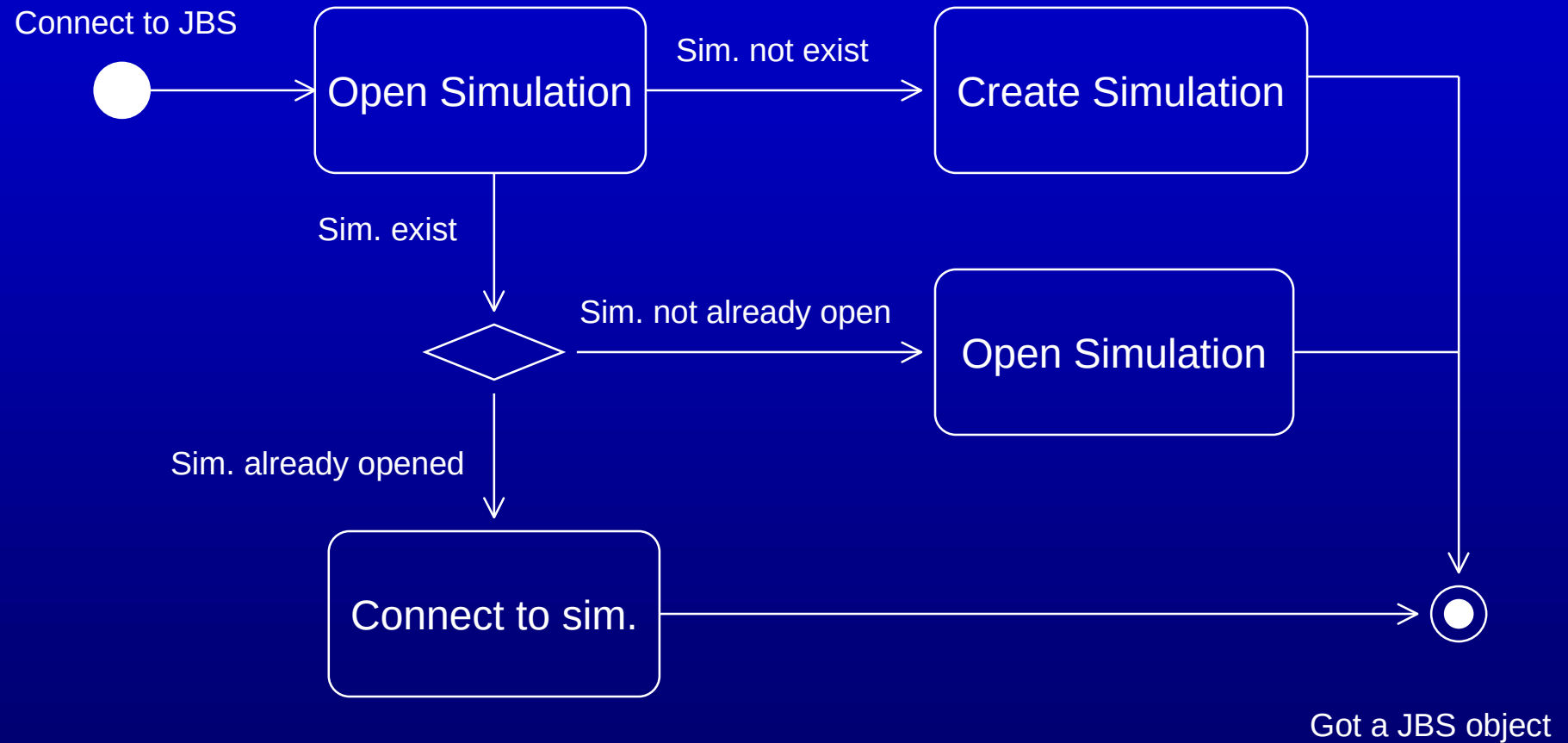
Corba interaction



Beans model



A simple connection



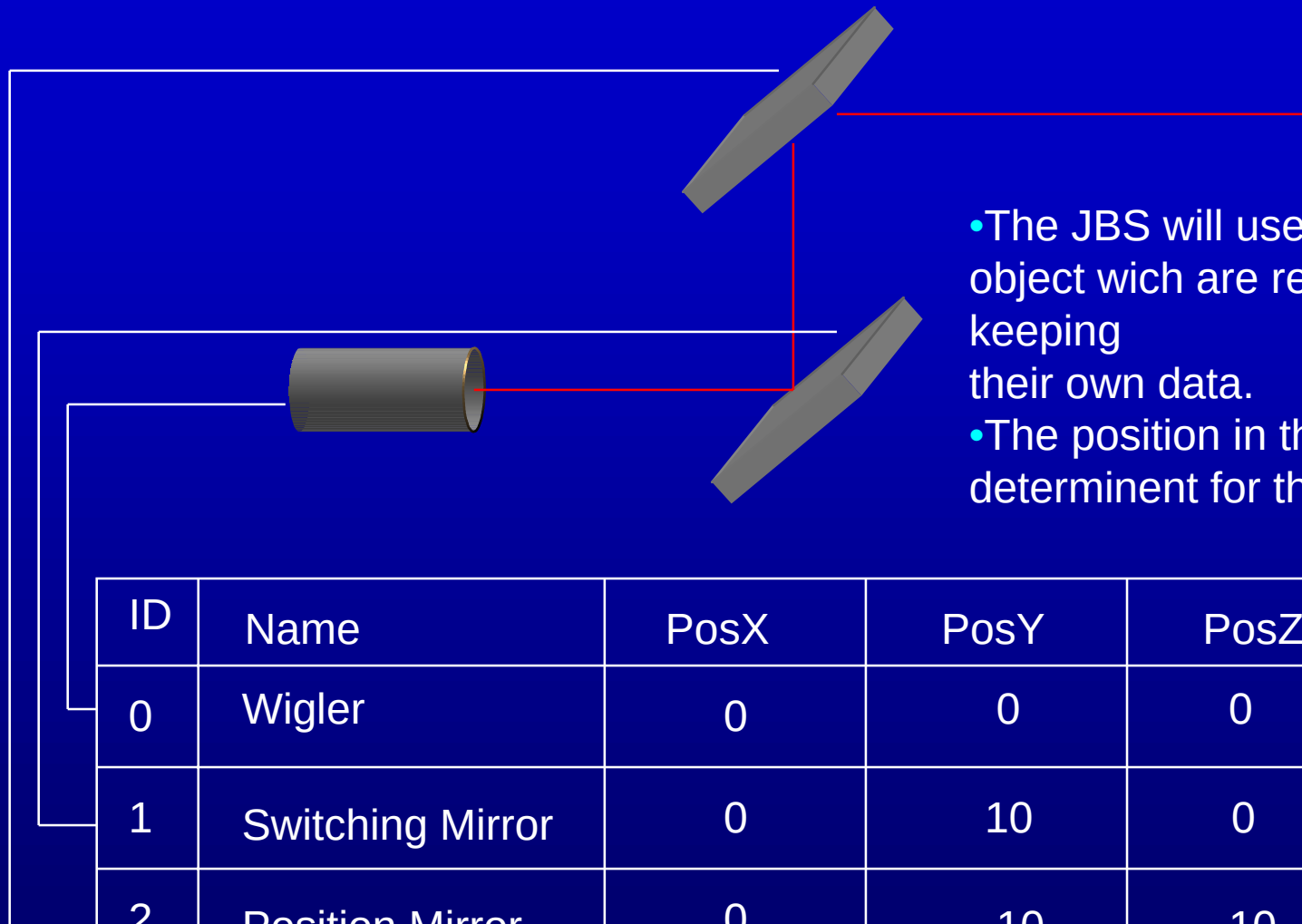
JBS commands

- List return a list of available simulations
- Open open a simulation
- Close close a simulation
- Delete delete a simulation

- GetAvailableOE return a list of available OE Beans
- GetOE return all properties and methods of a OE Beans
- GetActiveOE return an array containing all used OE in a sim
- AddOE add a new OE to the simulation
- DeleteOE remove a OE of the simulation
- GetProperty return the value of a property
- SetProperty set the value of a property
- Update retrace the simulation



Data structures



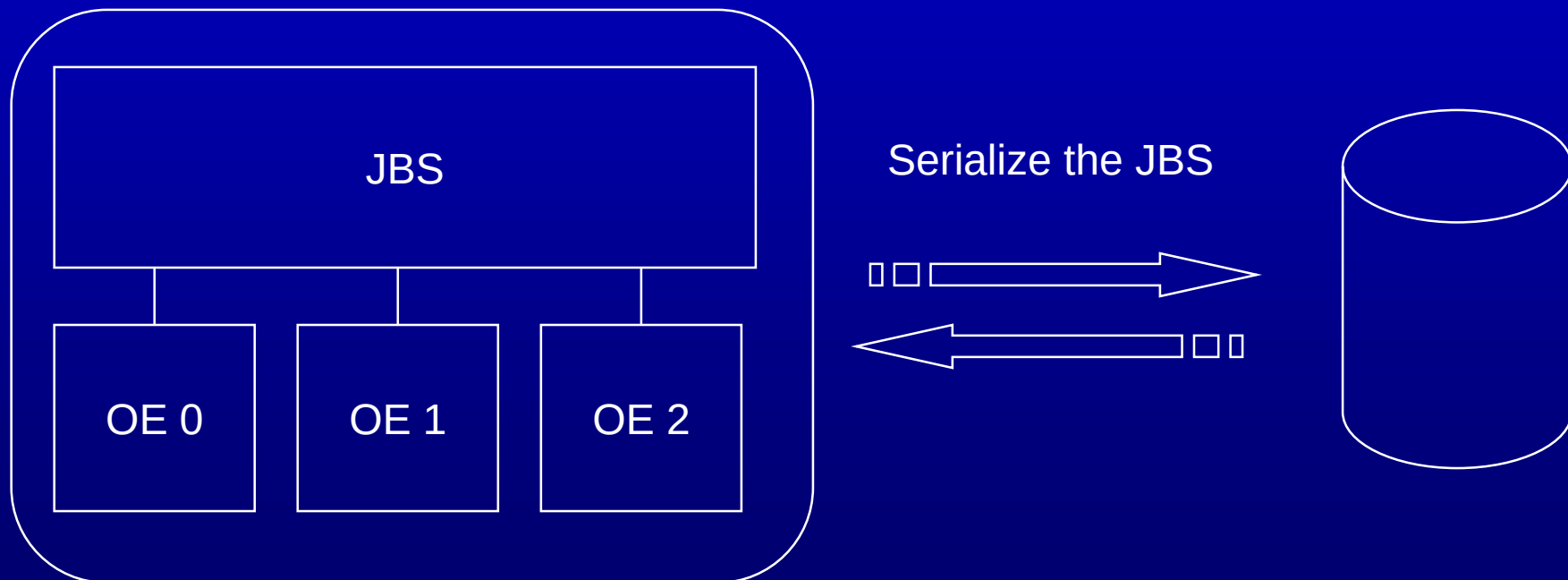
- The JBS will use an array of object which are responsible of keeping their own data.
- The position in the array will be determinant for the raytrace.

ID	Name	PosX	PosY	PosZ	...
0	Wigler	0	0	0	
1	Switching Mirror	0	10	0	
2	Position Mirror	0	10	10	



JBS format

- We use the serialization of Java to save and restore a simulation



Open Source

- We will provide a web site for keeping the JBS and allow the possibility of a open software development

