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As already mentioned under [Connections](#), objects are serialized during the transmission between client and enterprise tier. However, instead of the standard Java serialization, special technology-independent serialization mechanisms are used.

The so-called serializers have to fulfill the `ISerializer` interface.

### Why Specific Serializers?

The communication between Java and C#, Flex, etc. would hardly be possible using standard Java serialization or the Java serialization would have to be taken over. The effort would be enormous.

Existing serializing frameworks, such as [Hessian](#), do not support all necessary objects, such as `BigDecimal`.

For this reason, a separate serializer was implemented, the `UniversalSerializer`.

However, using the definition of `ISerializer`, frameworks such as Hessian can be integrated in JVx.

### Example

We want to implement a serializer that uses the standard Java serialization.

#### [JavaSerializer.java](#)

```
public class JavaSerializer implements ISerializer
{
    public Object read(DataInputStream in) throws Exception
    {
        ObjectInputStream ois = new ObjectInputStream(in);

        return ois.readObject();
    }

    public void write(DataOutputStream out, Object object) throws
Exception
    {
        ObjectOutputStream oos = new ObjectOutputStream(out);

        oos.writeObject(object);
    }
}
```

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