Breathing Life Back into Factory Methods with Lambdas



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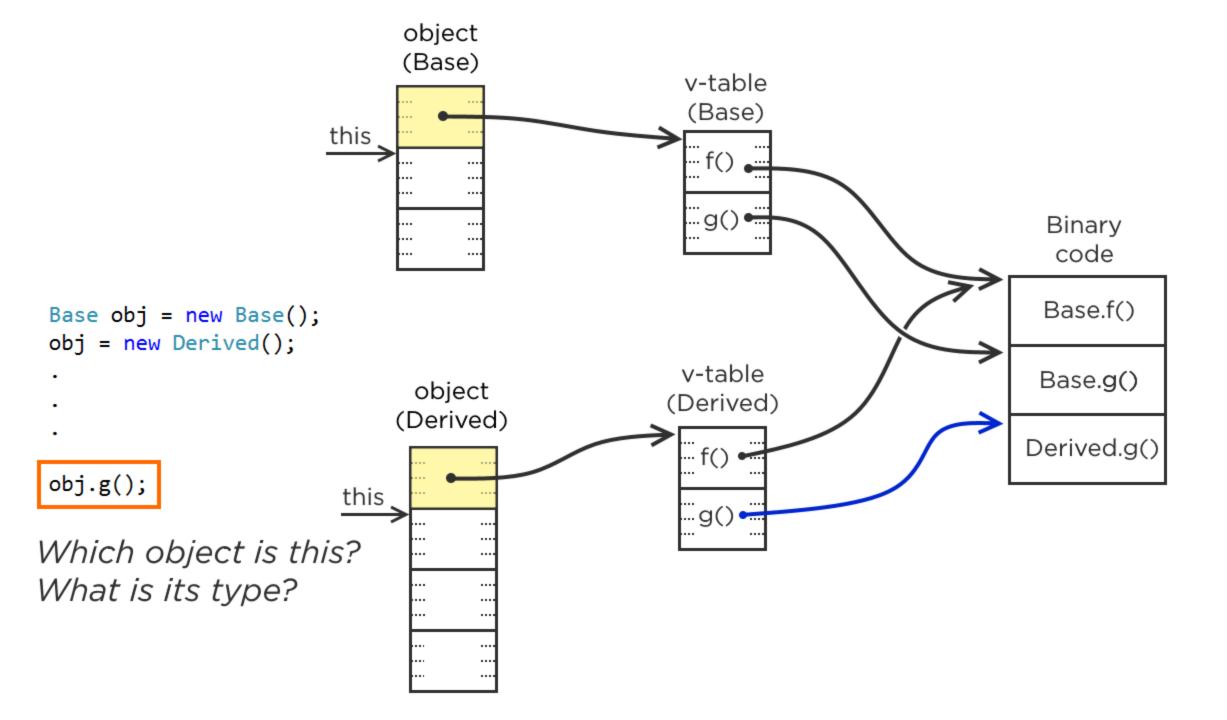
Factory Method Pattern

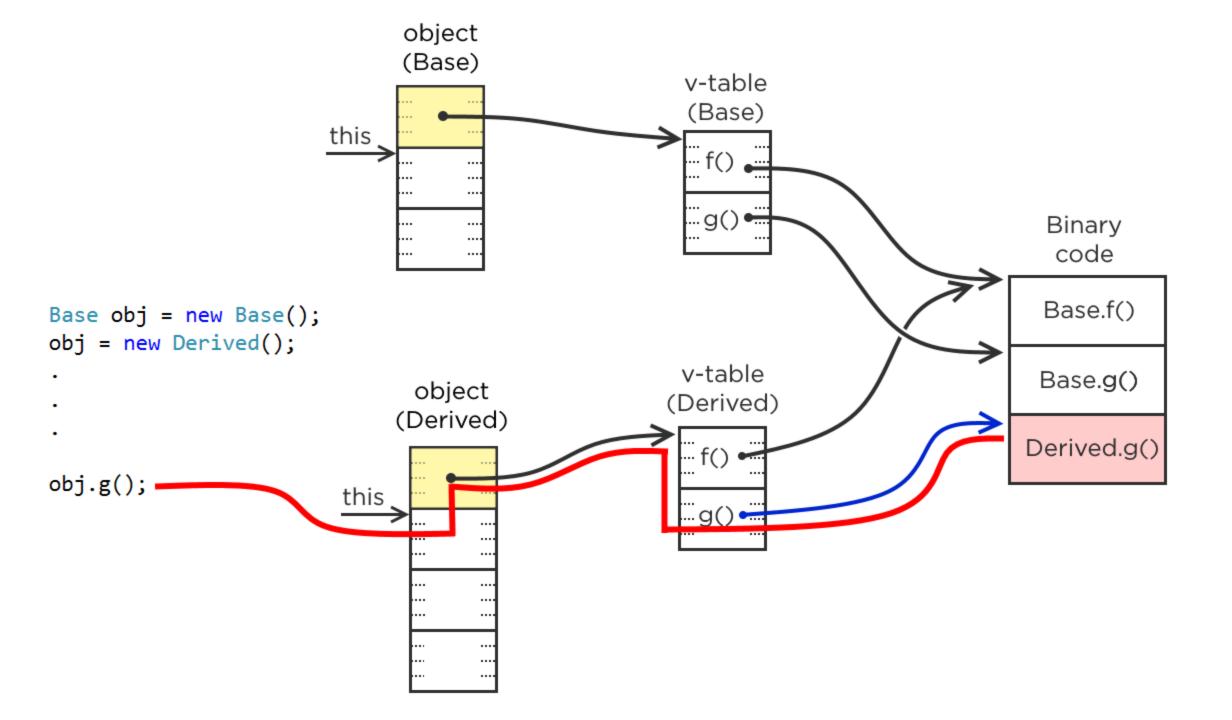
In this module:

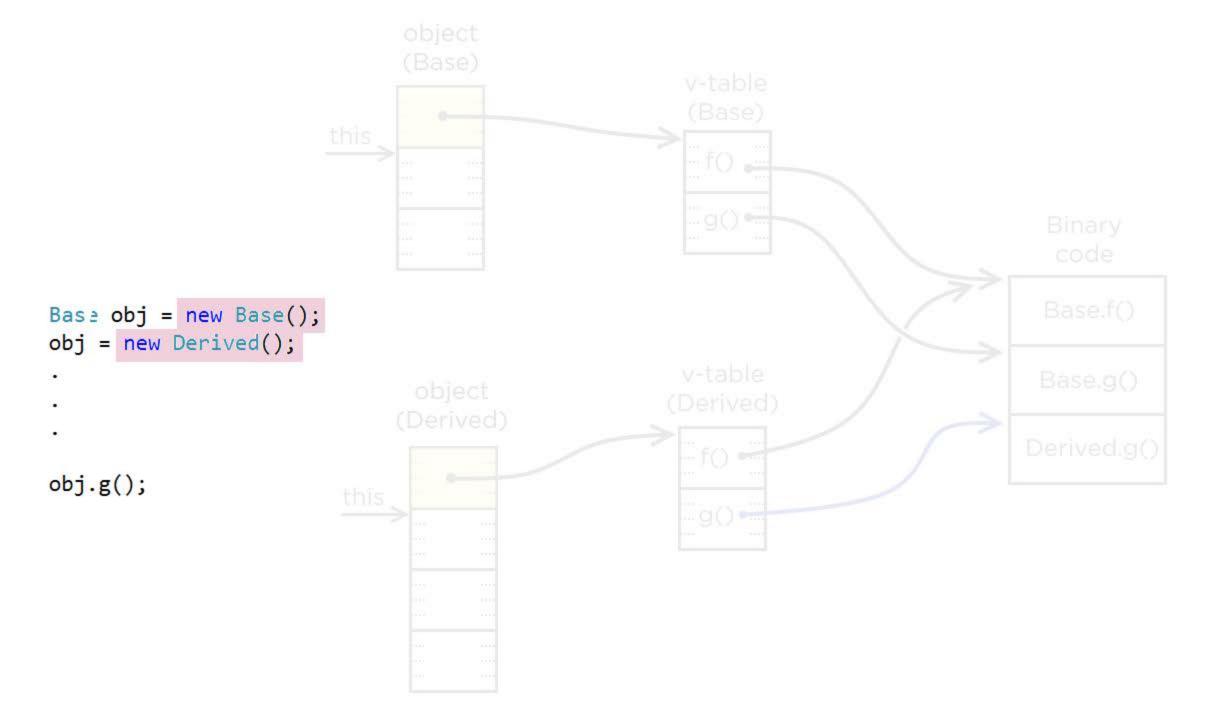
ito an injectable delegate

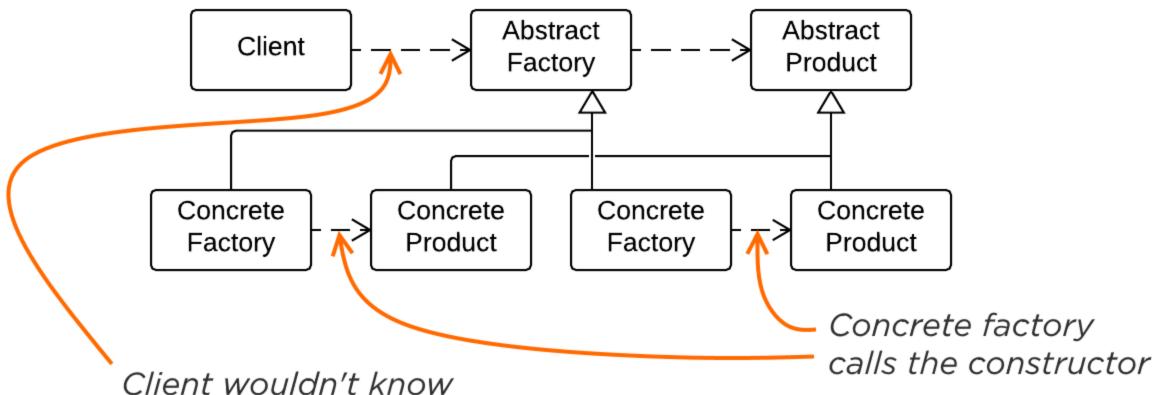
mposition (similar to Strategy pattern)



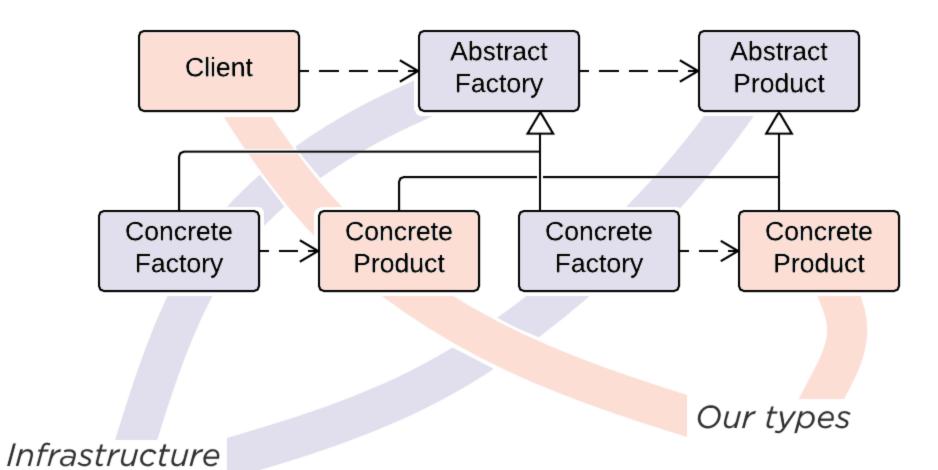


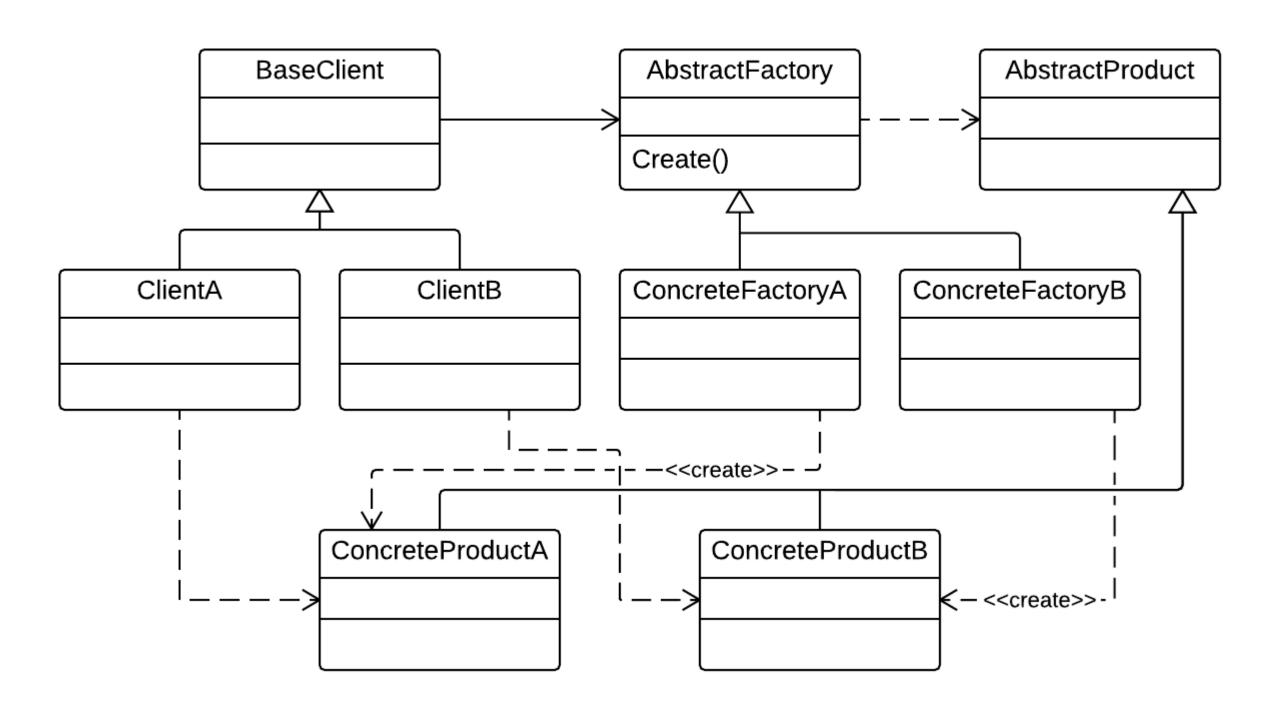


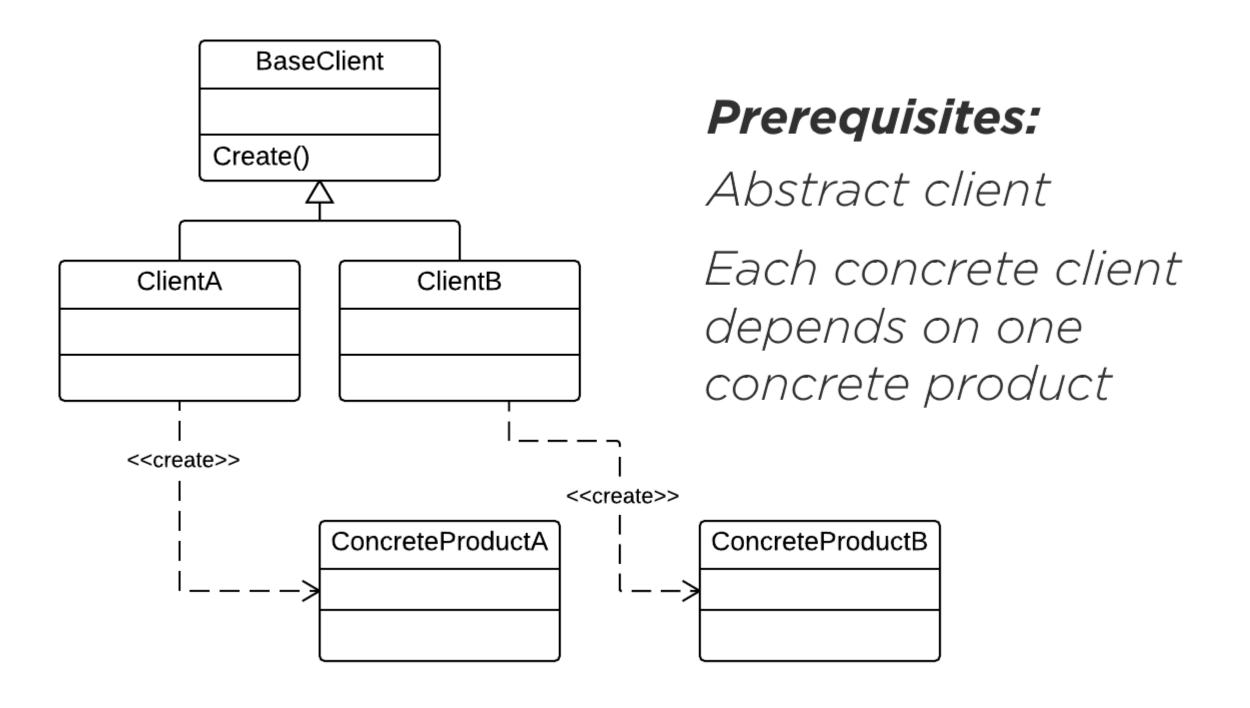


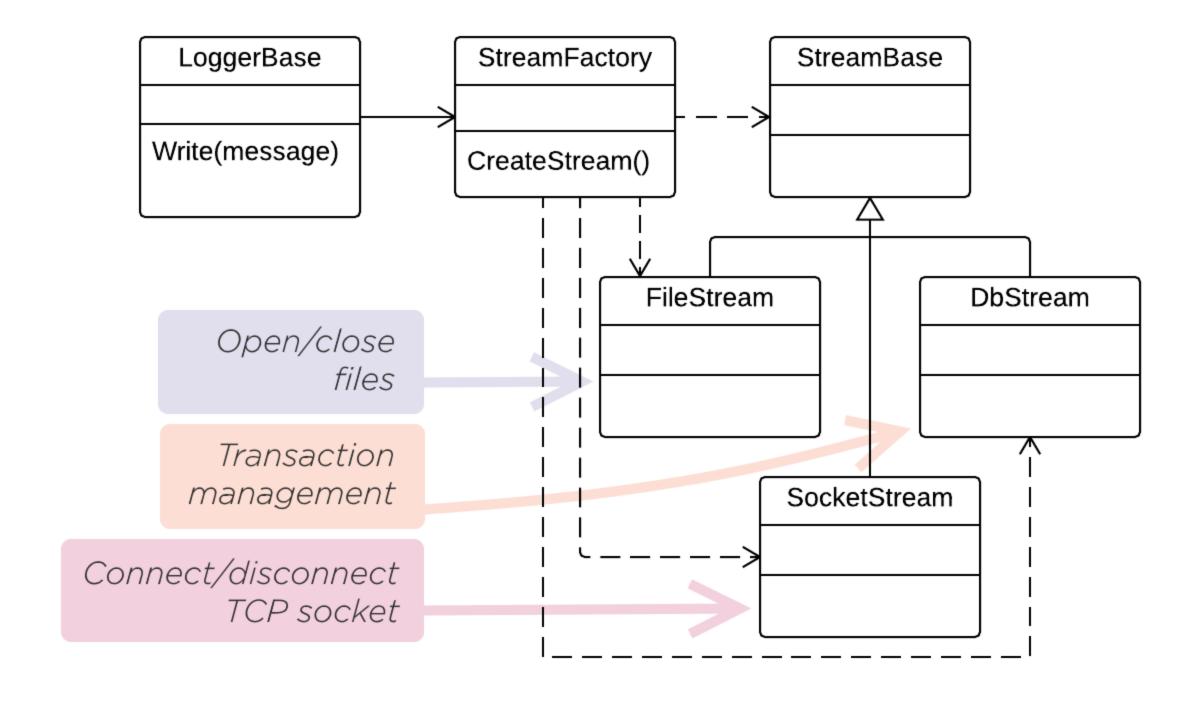


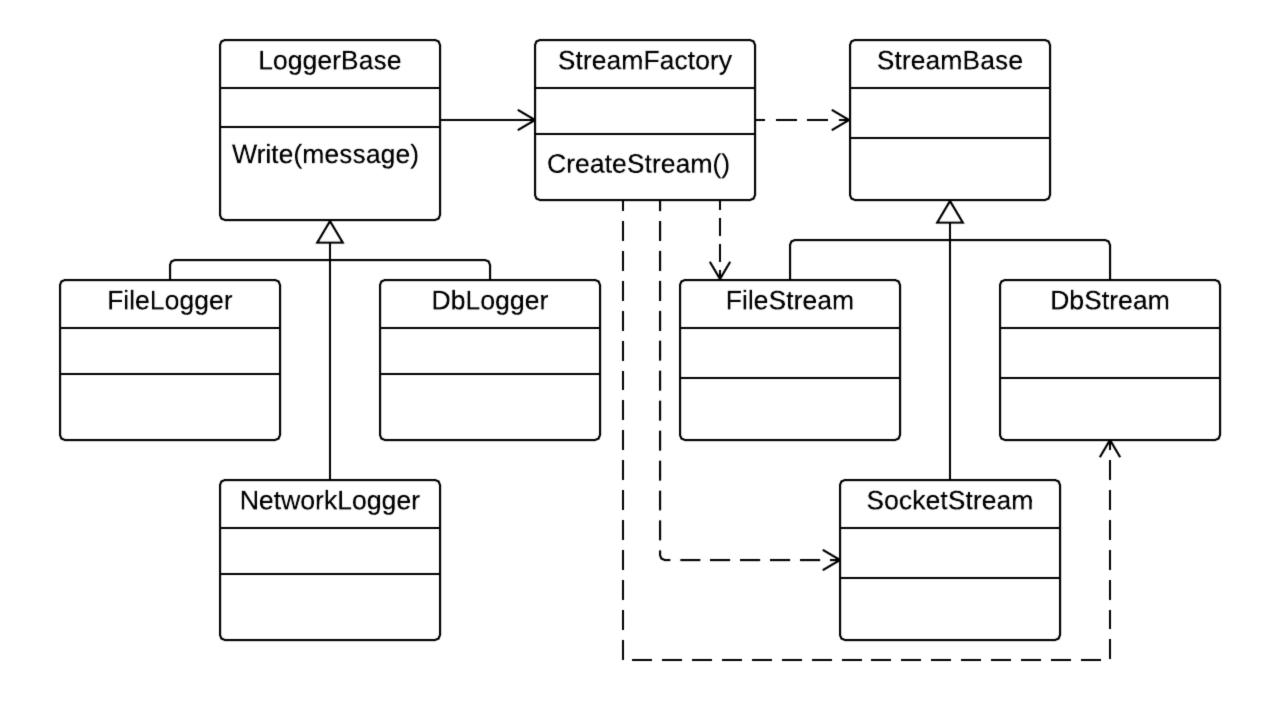
Client wouldn't know which constructor was invoked

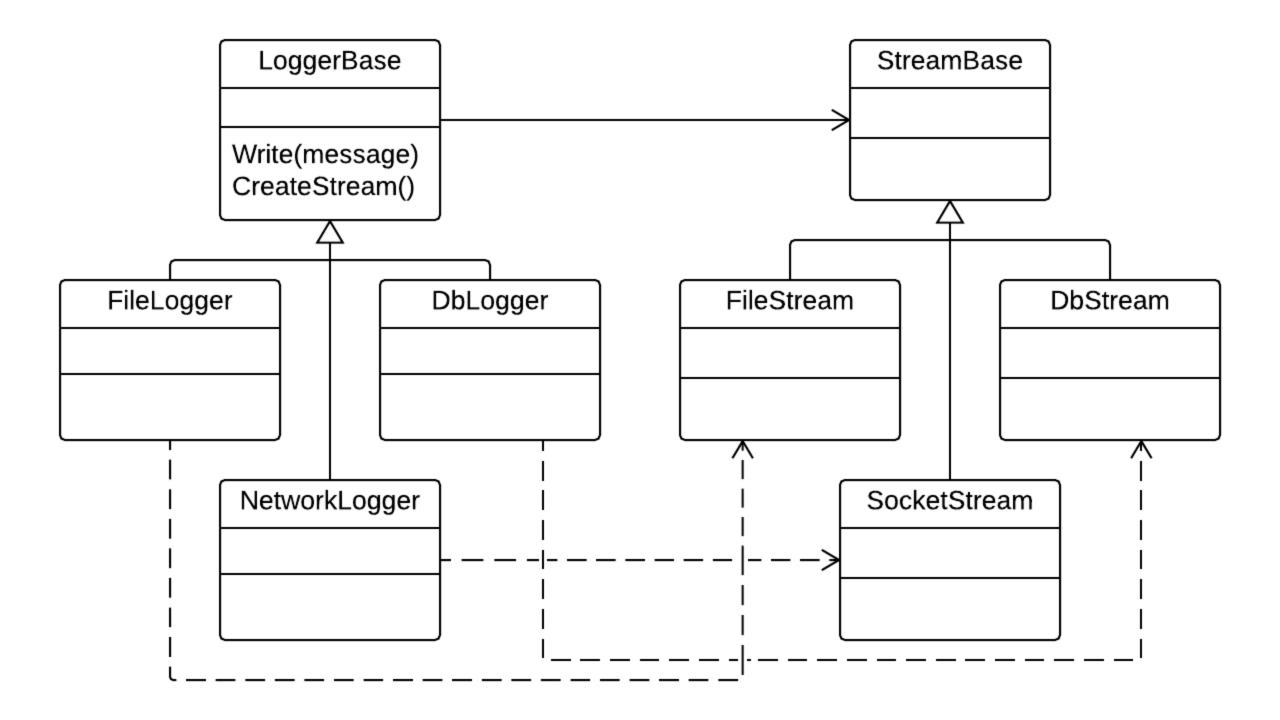












Summary



Factory Method design pattern

- Original implementation relies on class inheritance
- Derived class provides concrete factory method implementation
- Useful if we already heave a hierarchy of classes
- Base class becomes Abstract Factory



Summary



Alternate implementation of the Factory Method

- Use lambda expressions to construct factory method on the fly
- Inject lambda expression into an object
- No need for derived classes



Summary



Alternate uses of the Factory Method

- Wrap Builder inside Factory Method
- Factory Method is covariant
- Builder was not covariant

Beyond Factory Method

- Constructing a complex object
- Would require a tree of nested Factory Methods

Next module -

Building Complex Objects with the Specification Pattern

