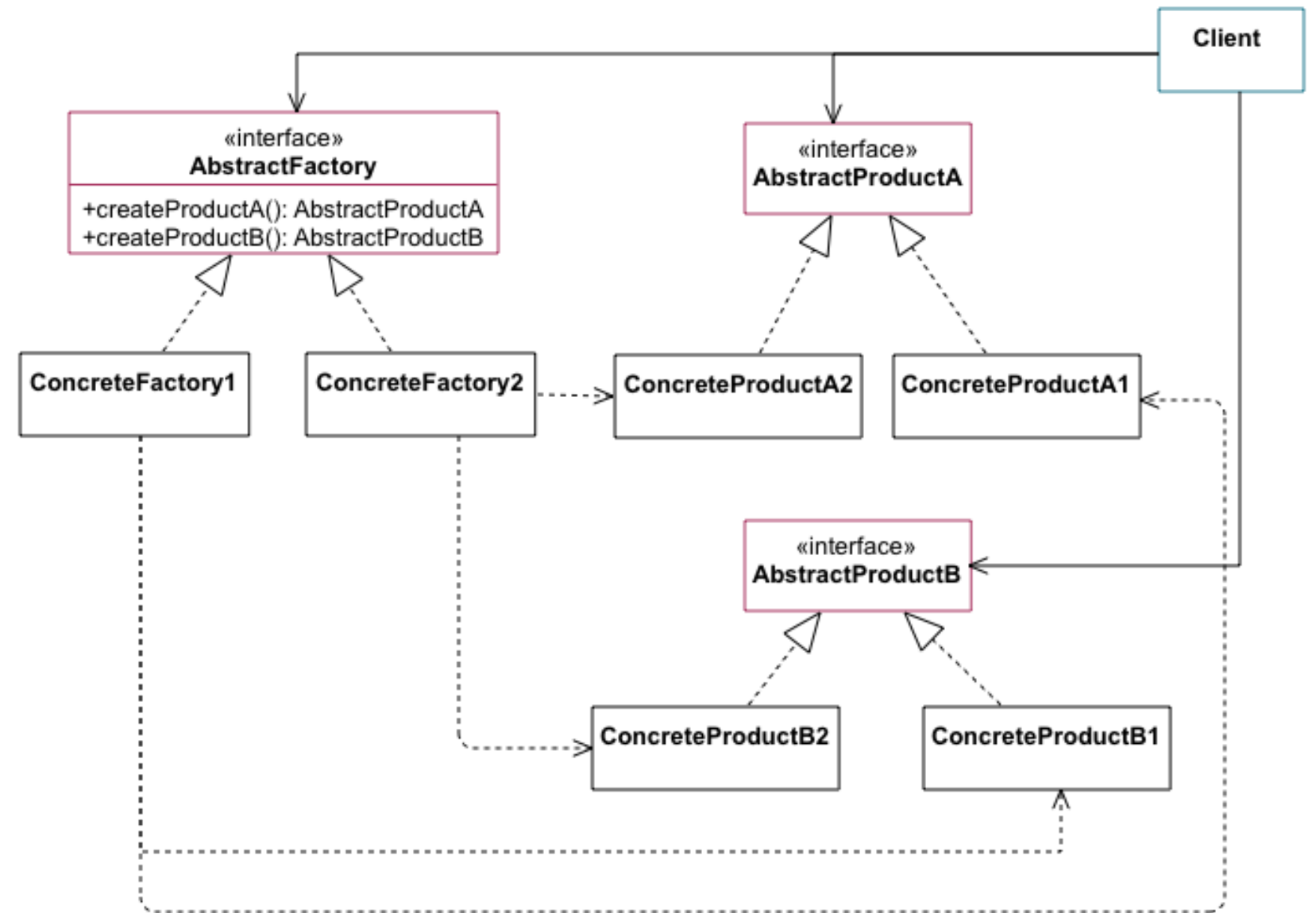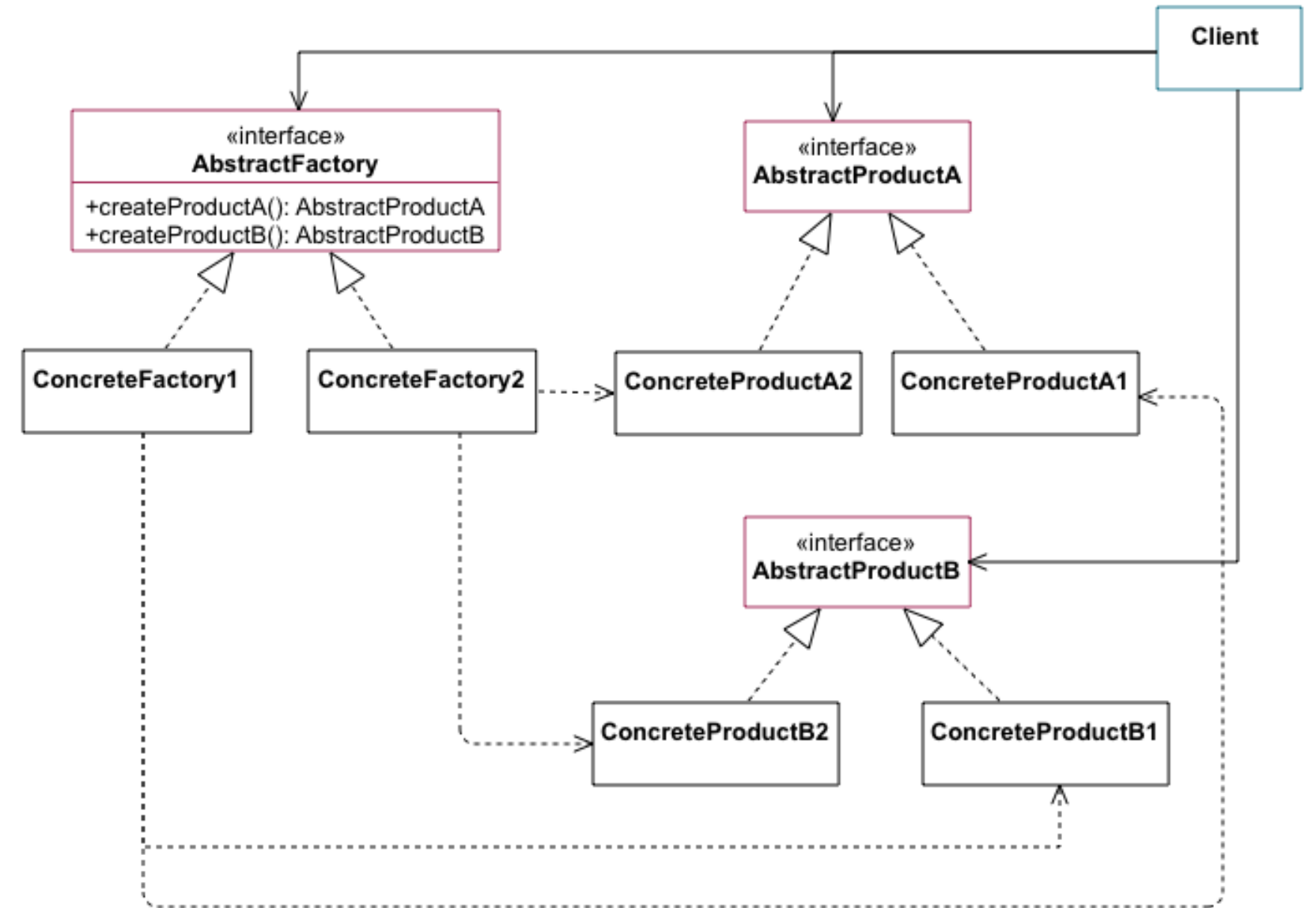# Abstract Factory

Provides an abstraction for creating families of related or dependent objects.

The AbstractFactory defines the "create" operations
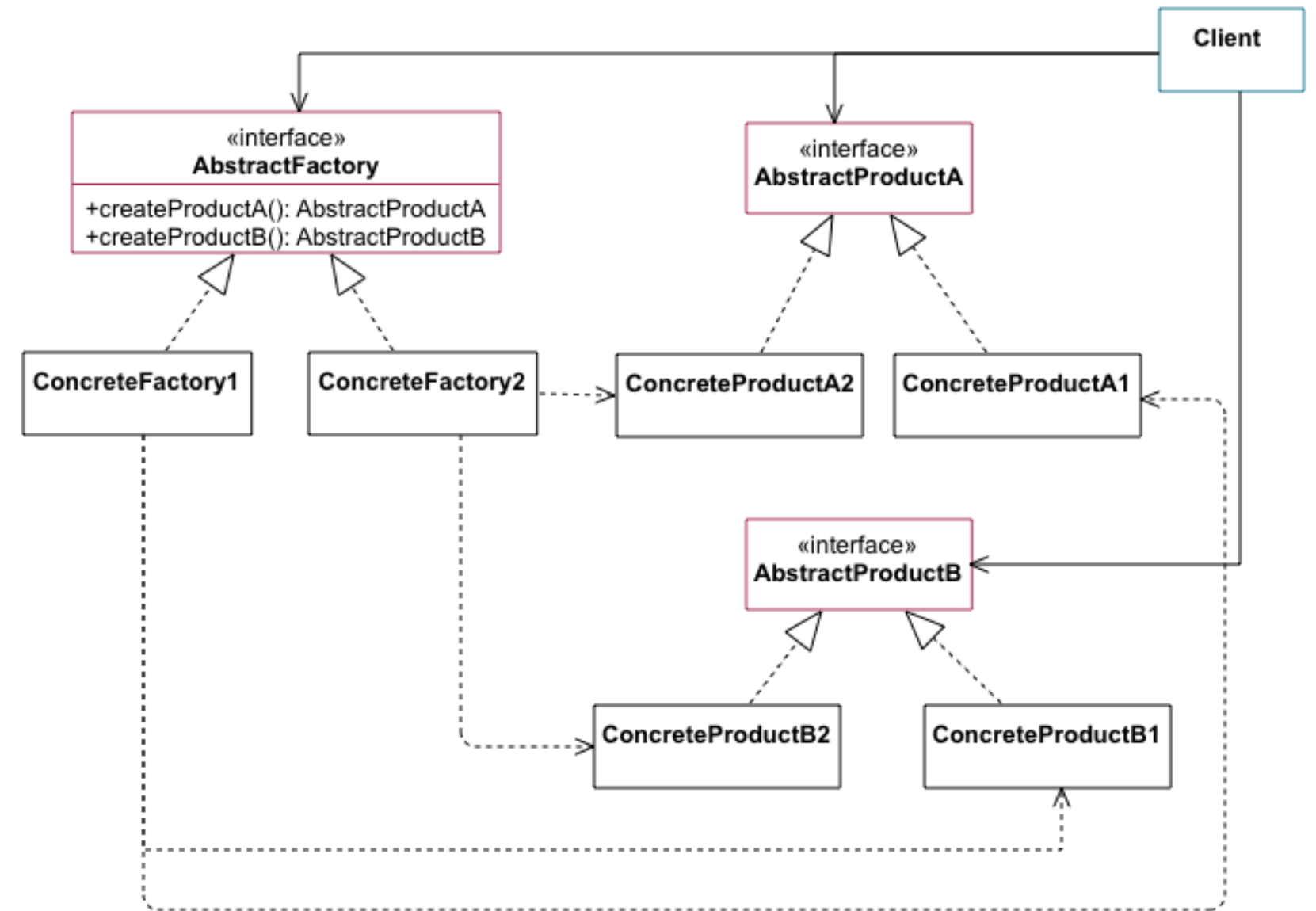
The AbstractFactory defines the "create" operations

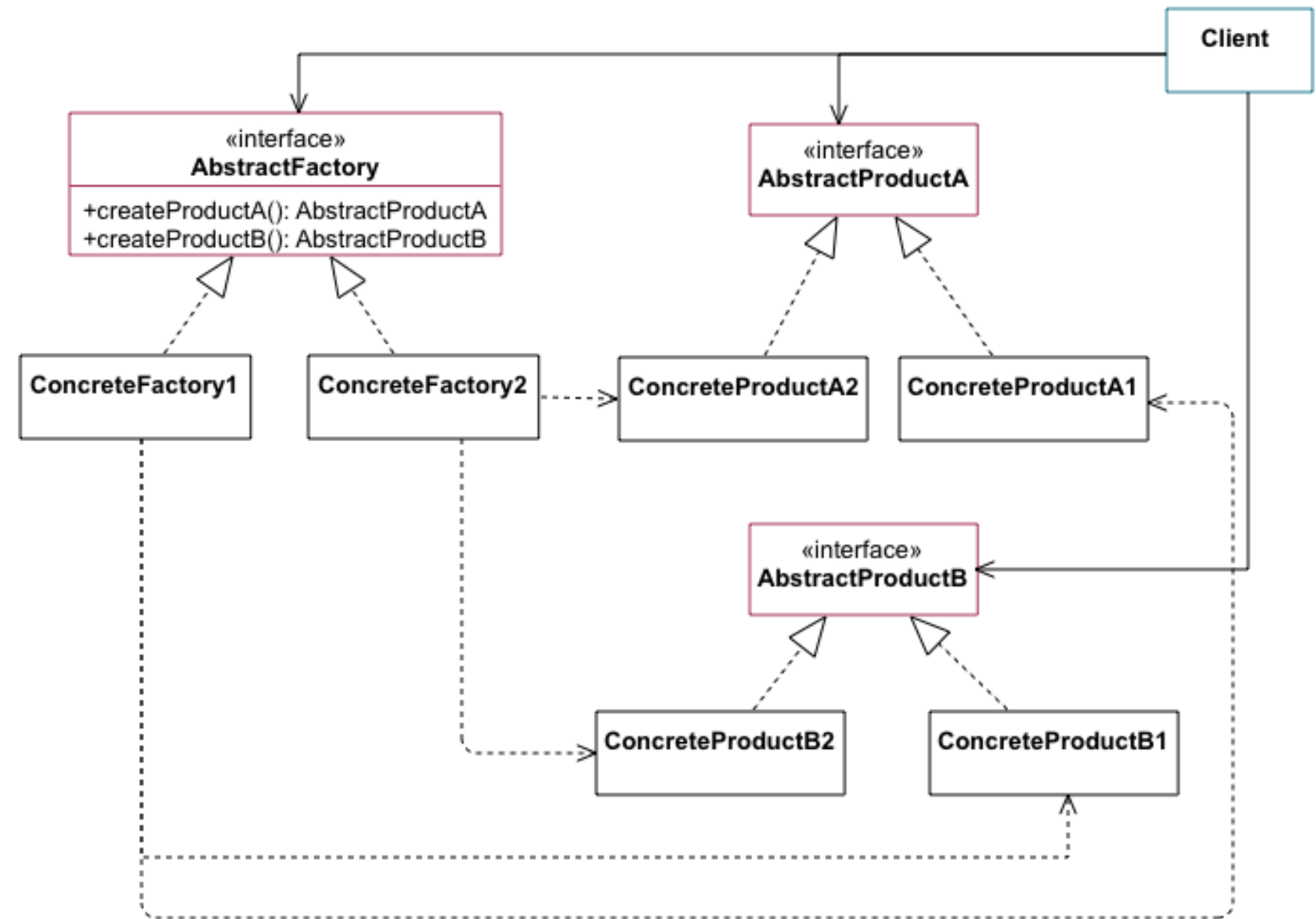Concrete factories implement the abstract factory interface

The AbstractFactory defines
the "create" operations

Concrete factories implement
the abstract factory interface

One AbstractProduct
per product family

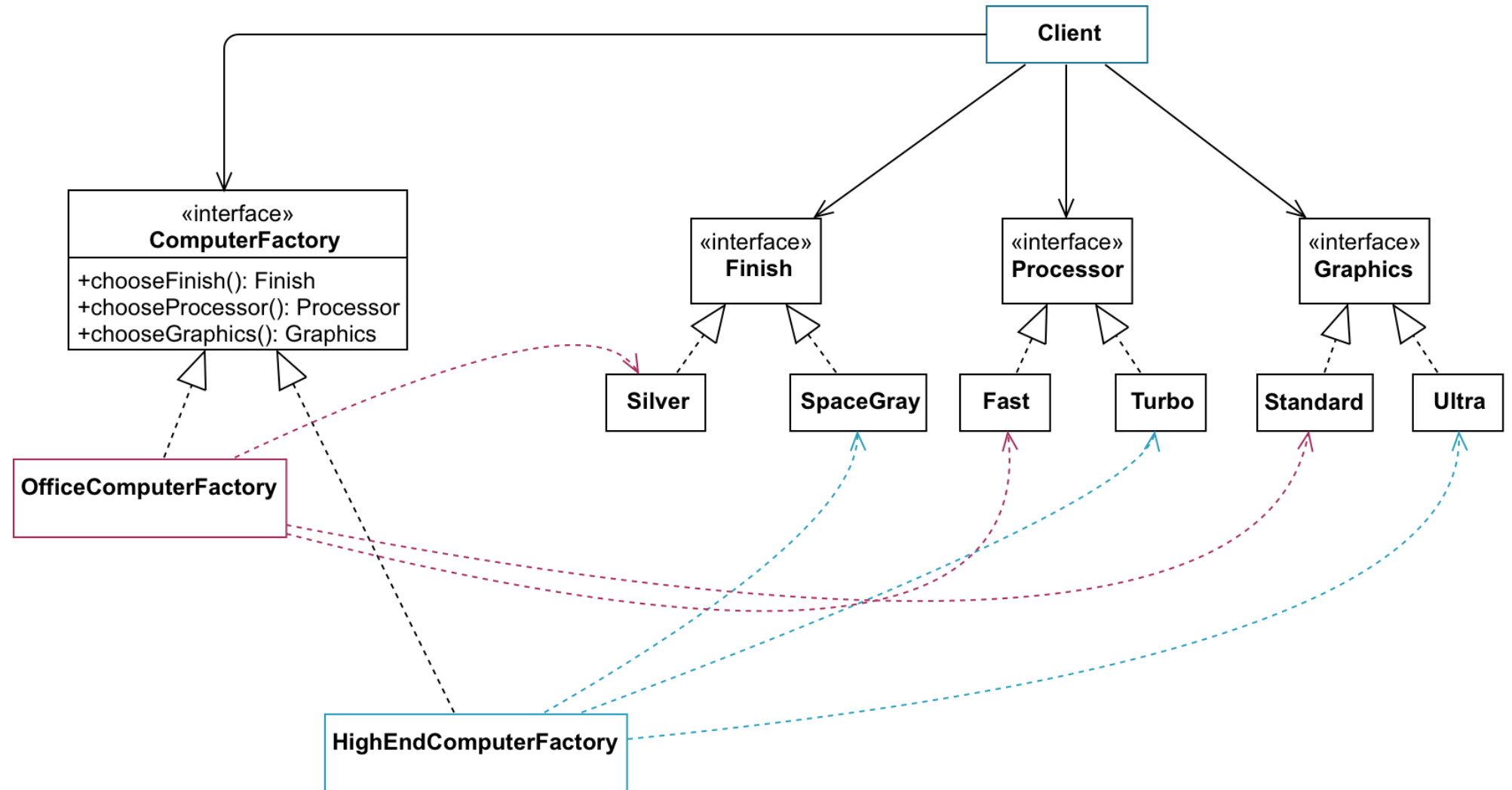The AbstractFactory defines the "create" operations

Concrete factories implement the abstract factory interface

One AbstractProduct per product family

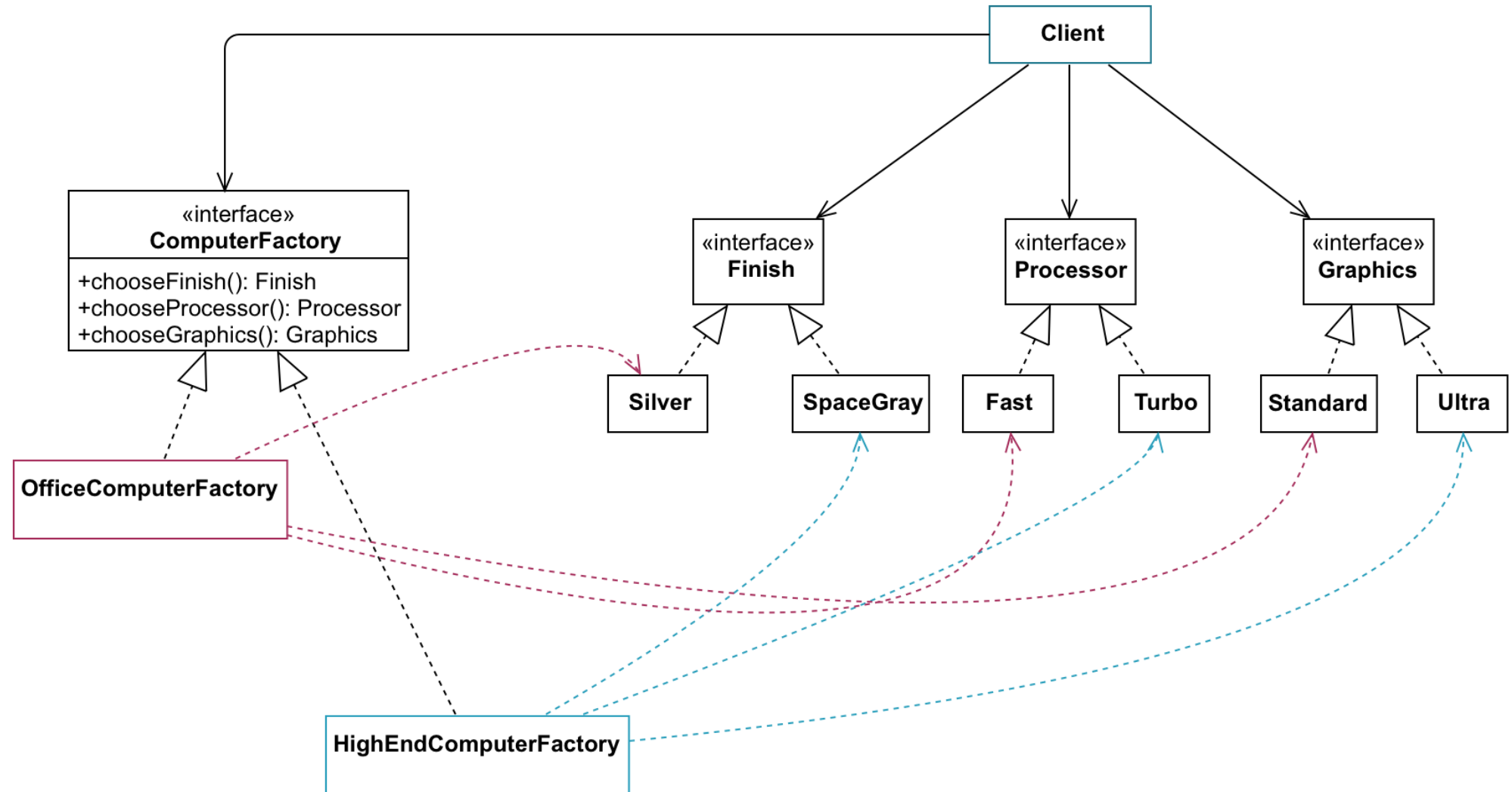Concrete products implement the abstract product interface

Client only deals with abstract interfaces
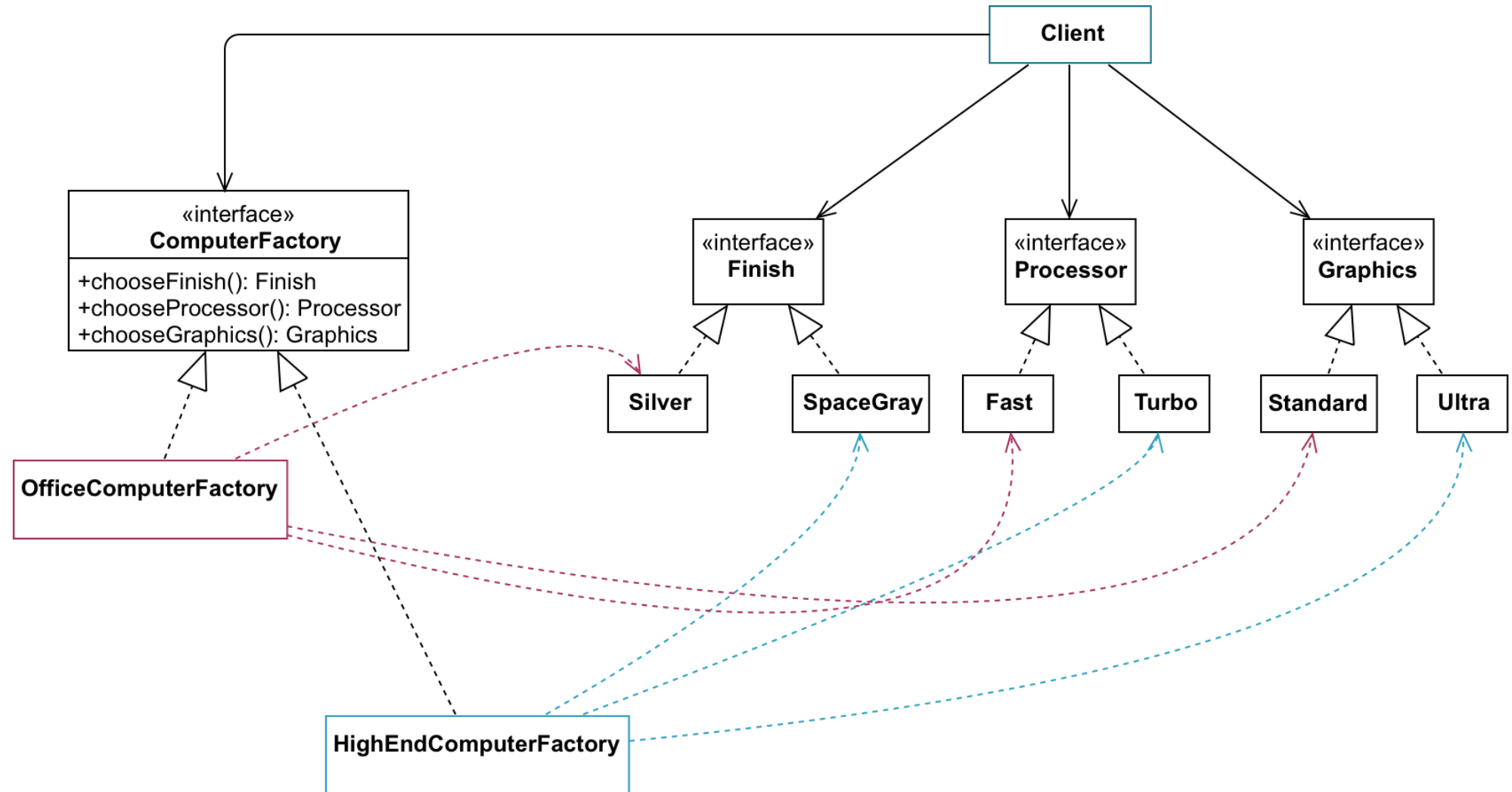
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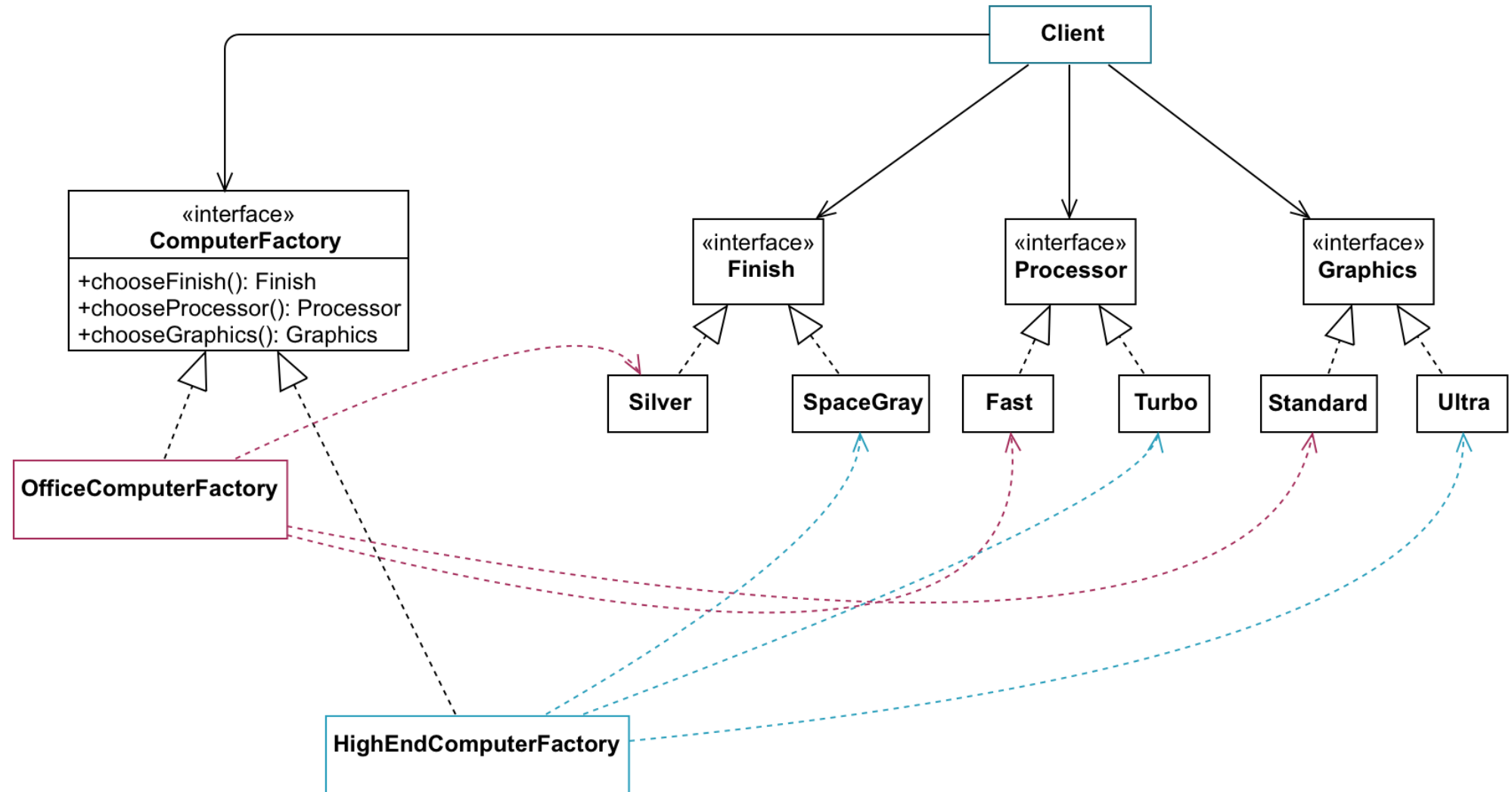don't affect the caller

Client only deals with
abstract interfaces

No dependencies to concrete
Factory or Product types

Implementation type changes
don't affect the caller

Changing the factory produces
different product configurations

# Abstract Factory

## Purpose

- Decouples caller from concrete types

## Benefits

- Isolates changes

- Can easily create different product configurations

## Applicability

- Create families of related or dependent objects