

Path-Dependent Types



Path-dependent types

Types that only exist while wrapped by other types or instances

```
class Outer {  
  class Inner  
}  
  
val outer = new Outer  
val inner = new outer.Inner // outer.Inner is a separate TYPE = path-dependent type
```

Instance-dependent types are all different

```
val otherInner: outerA.Inner = new outerB.Inner // error: type mismatch
```

All instance-dependent types are children of a class-dependent type

```
val bigInner: Outer#Inner = new outerB.Inner // ok
```

Uses: type-checking/inference in libraries, type-level programming

Scala rocks

