



1. A new family of reactive objects

Sometimes `metaReactive` is too coarse-grained to separate our domain logic from the Shiny stuff:

**Not domain logic**

A diagram consisting of a solid blue rectangular box on the left. From the right side of the box, two blue arrows diverge. One arrow points upwards and to the right, while the other points downwards and to the right. The background is a light gray.

```
> downloads <- metaReactive({  
+   req(input$package)  
+   cranlogs::cran_downloads(input$package,  
+     from = Sys.Date() - 365, to = Sys.Date())  
+ })
```

```
> withMetaMode(dataset())  
req(input$package)  
cranlogs::cran_downloads(input$package,  
  from = Sys.Date() - 365, to = Sys.Date())
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Use `metaReactive2` to tell `shiny` you don't want the entire code chunk, just the part you wrap with `metaExpr()` and return it

```
> downloads <- metaReactive2({  
+   req(input$package)  
+   metaExpr(cranlogs::cran_downloads(input$package,  
+     from = Sys.Date() - 365, to = Sys.Date()))  
+ })
```

```
> withMetaMode(dataset())  
cranlogs::cran_downloads(input$package,  
  from = Sys.Date() - 365, to = Sys.Date())
```