

# 1. A new family of reactive objects

With shinymeta:

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

- Call `downloads()` to retrieve the current dataset
- Automatically caches the result until `input$package` changes
- **Can also provide its own source code at runtime**

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With shinymeta:

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

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