



链滴

# golang 断言：一个蛋疼的处理场景

作者：[xuanskyer](#)

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这一切都来源于一个蛋疼的需求场景处理：

因为历史原因，一个需要用到的JSON数据被整个缓存进Redis的一个key中，大概如下：

```
127.0.0.1:6379> get dt
"{\"address\": [{\"duration\":90,\"format\":\"mp4\", \"url\":\"xxx.mp4\", \"ext\": \"{\\\"key\\\":\\\"val\\\"\"
al\\\"}\"}, {\"duration\":90,\"format\":\"mp4\", \"url\":\"xxx.mp4\", \"ext\": \"{\\\"key\\\":\\\"val\\\"\"
\\\"}], \"value\": \"web\"}"
127.0.0.1:6379>
```

这里还是做了脱敏处理，实际的情形JSON的层级更深...

格式化显示的JSON结构大概是这样：

```
{
  "address": [
    {
      "duration": 90,
      "format": "mp4",
      "url": "xxx.mp4",
      "ext": "{\"key\":\"val\"}"
    },
    {
      "duration": 90,
      "format": "mp4",
      "url": "xxx.mp4",
      "ext": "{\"key\":\"val\"}"
    }
  ],
  "value": "web"
}
```

现在要做的是：address 里的每个元素的 url 字段需要更新。

现在知道的是：address 的值 是一个数组，数组的每个元素是一个map[string]interface{} 类型，ma里的元素除了 **"url": "xxx.mp4"**，其他的数量不确定

实现代码大概如下（方便展示，省略了Redis读写的步骤）：

```
detailByte := []byte(`{"address":[{"duration":90,"format":"mp4","url":"xxx.mp4","ext":"{\"key\"
\\\"val\\\"}\"}, {"duration":90,"format":"mp4","url":"xxx.mp4","ext":"{\"key\":\"val\"}"}], "value": "web"}
`)
detail := make(map[string]interface{}, 0)
json.Unmarshal(detailByte, &detail)
formatJson, _ := json.MarshalIndent(detail, "", "  ")
fmt.Println("before: ", string(formatJson))
if address, ok := detail["address"]; ok {
    if item, ok2 := address.([]interface{}); ok2 {
        for index, value := range item {
            if vMap, ok3 := value.(map[string]interface{}); ok3 {
                if _, ok4 := vMap["url"]; ok4 {
                    vMap["url"] = "wtf.mp4"
                }
                item[index] = vMap
            }
        }
    }
}
```

```

    }
    detail["address"] = item
  }
}
formatJson, _ = json.MarshalIndent(detail, "", "  ")
fmt.Println("after: ", string(formatJson))

```

运行结果:

```

before: {
  "address": [
    {
      "duration": 90,
      "ext": "{\"key\": \"val\"}",
      "format": "mp4",
      "url": "xxx.mp4"
    },
    {
      "duration": 90,
      "ext": "{\"key\": \"val\"}",
      "format": "mp4",
      "url": "xxx.mp4"
    }
  ],
  "value": "web"
}
after: {
  "address": [
    {
      "duration": 90,
      "ext": "{\"key\": \"val\"}",
      "format": "mp4",
      "url": "wtf.mp4"
    },
    {
      "duration": 90,
      "ext": "{\"key\": \"val\"}",
      "format": "mp4",
      "url": "wtf.mp4"
    }
  ],
  "value": "web"
}

```

怎么说呢，实现了感觉又没有真正实现...

哎，蛋疼。