

Catsplit (data format) and save cost

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Compare in the real world (1)

```
(  
  ("oh my error", "http://foo.local", 26, 1, 1),  
  ("oh my error", "http://bar.local", 26, 1, 1)  
)<=(  
  ""("Message", "URL", "Line", "Column", "Stack")  
)
```

Catsplit (v1.1)

```
[  
  {  
    "Message": "oh my error",  
    "URL": "http://foo.local",  
    "Line": 26,  
    "Column": 1,  
    "Stack":1  
  },  
  {  
    "Message": "oh my error",  
    "URL": "http://bar.local",  
    "Line": 26,  
    "Column": 1,  
    "Stack":1  
  }  
]
```

JSON

Compare in the real world (2)

```
(
  (
    (
      "John",
      (20, 22)
    ),
    (
      "Jane",
      (30, 31)
    )
  ),
  "Catsplit Team",
  (1, 2, 3, 4, 5)
)<=(
  "Person"(
    "Name",
    "Age"("Age1", "Age2")
  ),
  "Organization",
  "Id"()
)
```

Catsplit (v1.1)

```
{
  "Person": [
    {
      "Name": "John",
      "Age": {
        "Age1": 20,
        "Age2": 22
      }
    },
    {
      "Name": "Jane",
      "Age": {
        "Age1": 30,
        "Age2": 31
      }
    }
  ],
  "Organization": "Catsplit Team",
  "Id": [1, 2, 3, 4, 5]
}
```

JSON

Compare in the real world (3-1)

(3-1) In the one line:

- Catsplit (min-length: 114):

```
((('John',(20,22)),('Jane',(30,31))),('Catsplit Team',(1,2,3,4,5)))<=(Person(Name,Age(Age1,Age2)),Organization,Id())
```

- JSON (min-length: 141):

```
{"Person":[{"Name":"John","Age":{"Age1":20,"Age2":22}},{"Name":"Jane","Age":{"Age1":30,"Age2":31}], "Organization":"Catsplit Team","Id":[1,2,3,4,5]}
```

Save cost
(reduce 19%)

Compare in the real world (3-2)

(3-2) In the one line:

- Catsplit (min-length: 120):

`((('oh my error','http://foo.local',26,1,1),('oh my error','http://bar.local',26,1,1))<=((Message,URL,Line,Column,Stack))`

- JSON (min-length: 165):

`[{"Message":"oh my error","URL":"http://foo.local","Line":26,"Column":1,"Stack":1},{ "Message":"oh my error","URL":"http://bar.local","Line":26,"Column":1,"Stack":1}]`

Save cost
(reduce 27%)

We're open source

<https://github.com/gnh1201/catsplit-format>