

AWK
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Canine-Table



POSIX Nexus serves as a comprehensive cross-language reference hub that explores the implementation and behavior of POSIX-compliant functionality across a diverse set of programming environments. Built atop the foundational IEEE Portable Operating System Interface (POSIX) standards, this project emphasizes compatibility, portability, and interoperability between operating systems.

Abstract

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I Json Module

I Using the JSON value splitter

Json used in the following examples

```
1 {
2   "user": {
3     "id": 42,
4     "name": "Alice",
5     "email": "alice@example.com",
6     "roles": [ "admin", "editor", "viewer" ]
7   },
8   "settings": {
9     "theme": "dark",
10    "notifications": true,
11    "languages": [ "en", "fr" ]
12  },
13  "projects": [
14    { "title": "Apollo", "status": "active" },
15    { "title": "Zephyr", "status": "archived" }
16  ],
17  "misc": null
18 }
```

Extract keys from the `.user` object

</> Call `nx_json_split(".user", V1, V2, "")`

</> Return `1` (object)

</> Result `V2[0]=4, keys = {"id","name","email","roles"}`

```
1 if (nx_json_split(".user", V1, V2, "") == 1) {
2   for (i = 1; i <= V2[0]; i++) {
3     key = V2[i]
4     val = V1[".nx.user." key]
5     print key, "=", val
6   }
7 }
```



Extract values from the `.user.roles` array

</> Call \rightsquigarrow `nx_json_split(".user.roles", V1, V2, "")`

</> Return \rightsquigarrow 2 (array)

</> Result \rightsquigarrow `V2[0]=3, values = {"admin","editor","viewer"}`

```
1  if (nx_json_split(".user.roles", V1, V2, "") == 2) {
2      for (i = 1; i <= V2[0]; i++)
3          print V2[i]
4  }
```

Extract project entries from the `.projects` array

</> Call \rightsquigarrow `nx_json_split(".projects", V1, V2, "")`

</> Return \rightsquigarrow 2 (array)

</> Result \rightsquigarrow `V2[0]=2, entries = {"nx.projects[1]","nx.projects[2]"}`

```
1  if (nx_json_split(".projects", V1, V2, "") == 2) {
2      for (i = 1; i <= V2[0]; i++)
3          print V2[i]
4  }
```

Attempt to split the `.misc` field (null)

</> Call \rightsquigarrow `nx_json_split(".misc", V1, V2, "")`

</> Return \rightsquigarrow 0 (no split)

</> Result \rightsquigarrow V2 untouched; safe to check return code before iterating

```
1  if (nx_json_split(".misc", V1, V2, "") == 0)
2      print "misc is null or undefined"
```