

AWK  
WMA



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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** ~` nx\_json\_split(".user.roles", V1, V2, "")
- </> Return** ~` 2 (array)
- </> Result** ~` 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** ~` nx\_json\_split(".projects", V1, V2, "")
- </> Return** ~` 2 (array)
- </> Result** ~` 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** ~` nx\_json\_split(".misc", V1, V2, "")
- </> Return** ~` 0 (no split)
- </> Result** ~` 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"
```