Classification Rules

Sample rule for process "Link Down" and "Link Up" events for DLink.DxS profile

```
{
    "name": "DLink | DxS | Network | Link | Link Down (SYSLOG)",
    "uuid": "6f6ac845-90dd-4863-9aed-9e30e1f2acd3",
    "description": "INFO: Port 17 link down",
    "event_class__name": "Network | Link | Link Down",
    "preference": 1000,
    "patterns": [
        {
            "key_re": "^source$",
            "value_re": "^syslog$"
        },
        {
            "key_re": "^profile$",
            "value_re": "^DLink\\.DxS$"
        },
        {
            "key_re": "^message$",
            "value_re": "(?:INFO:|INFO\\(6\\)) Port (?P<interface>.+) link down$"
        }
    ]
}

{
    "name": "DLink | DxS | Network | Link | Link Up (SYSLOG)",
    "uuid": "ea3b96c5-cf6b-4dd4-88f8-4b16ed8dfab6",
    "description": "INFO: Port 17 link up, 100Mbps  FULL duplex",
    "event_class__name": "Network | Link | Link Up",
    "preference": 1000,
    "patterns": [
        {
            "key_re": "^source$",
            "value_re": "^syslog$"
        },
        {
            "key_re": "^profile$",
            "value_re": "^DLink\\.DxS$"
        },
        {
            "key_re": "^message$",
            "value_re": "(?:INFO:|INFO\\(6\\)) Port (?P<interface>.+) link up, (?P<speed>\\S+)\\s+(?P<duplex>.
+duplex)"
        }
    ]
}
```

When:

Key	Description	Comment
name	Name of rule	"(SYSLOG)" and "(SNMP)" are required building symbols
uuid	Unique ID of rule	Generated automatically or by `/opt/noc$ ./noc get-uuid` command
description	Description of rule	
event_class__name	Name of event class	See Event Classes for detail
preference	Order to parse rules	
patterns	Pattern to match rules	"source", "syslog", "SNMP Trap", "profile", "message" are building symbols

1. All rules are written in JSON format.
2. Both *key_re* and *value_re* fields support Python Regular Expression.
3. All symbols are case sensitive.

> ⚠ **Note:** Don't forget to escape backslash and brackets

List of embedded functions:

Name	Example	Result
fixup_int_to_ip()		aaa.bbb.ccc.ddd
fixup_bin_to_ip()		aaa.bbb.ccc.ddd
fixup_bin_to_mac()		aa:bb:cc:dd:ee:ff
fixup_oid_to_str()		
fixup_enum()		