

Identifier in SCHC

Internal rule identification

devices

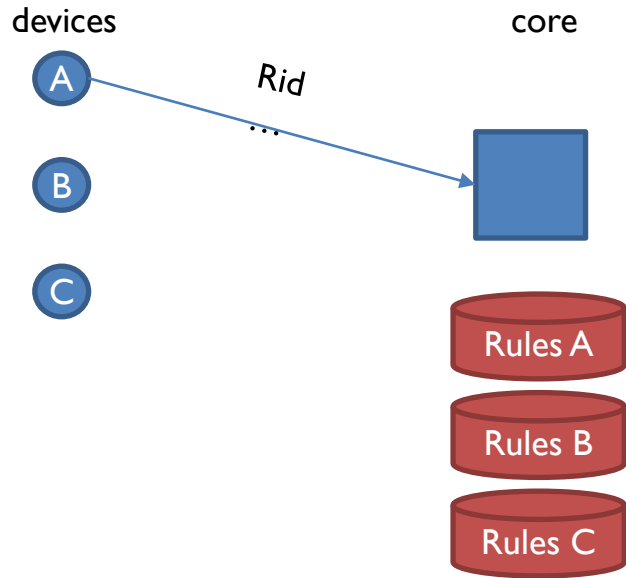
A

B

C

core





devices

A

B

C

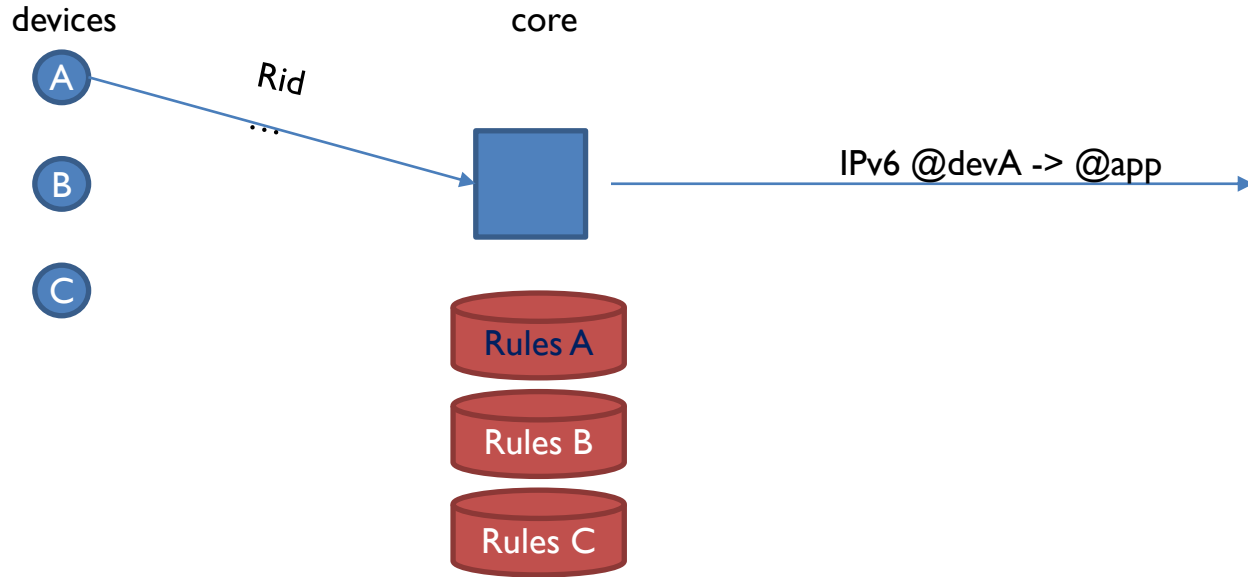
core

Rid

...



The devices must be identified to find the good rule



devices

A

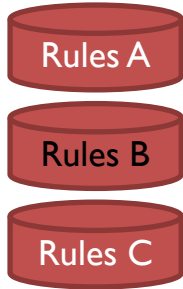
B

C

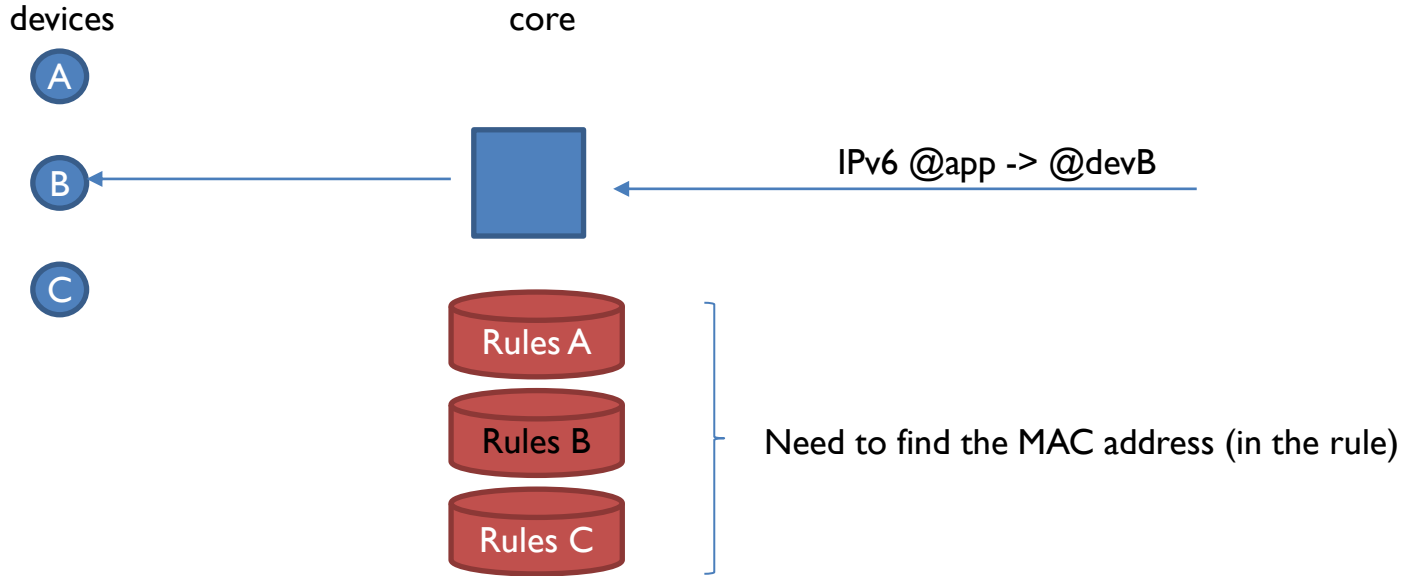
core



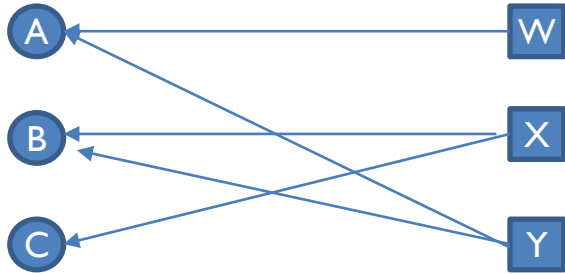
IPv6 @app -> @devB



Look in all the rules to find a matching one

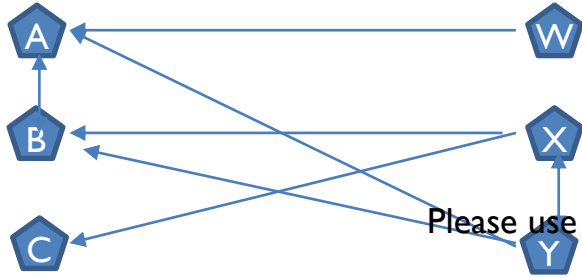


devices

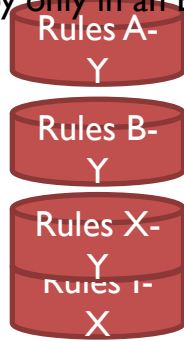


(Carles draft)

devices

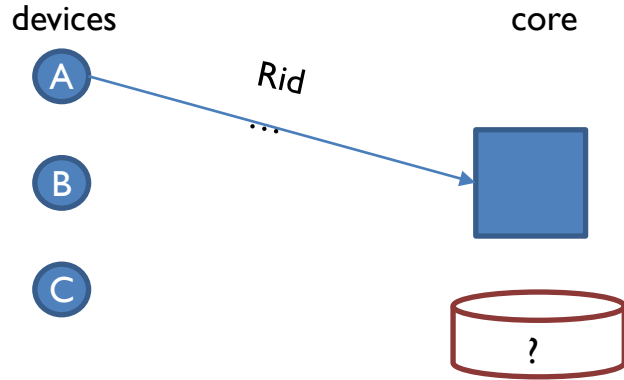


Please use idf.py only in an ESP-IDF shell environment.



} Rid exclusion (Ivan draft)

Rule provisionning



Access control

33

```

/ietf-schc:schc
rule
RW
{1000094: {1: [
  entry
  {4:
    [6: 1000067, 7: 4, 8: 1, 5: 1000018, 9: 1000082, 1: 1000015, 13: [{1: 0, 2: h'06'}]},
    [6: 1000064, 7: 8, 8: 1, 5: 1000018, 9: 1000082, 1: 1000015, 13: [{1: 0, 2: h''}]},
    [6: 1000060, 7: 20, 8: 1, 5: 1000018, 9: 1000083, 1: 1000015, 13: [{1: 0, 2: h''}]},
    [6: 1000063, 7: 16, 8: 1, 5: 1000018, 9: 1000083, 1: 1000011],
    [6: 1000062, 7: 8, 8: 1, 5: 1000018, 9: 1000082, 1: 1000015, 13: [{1: 0, 2: h'3A'}]},
    [6: 1000061, 7: 8, 8: 1, 5: 1000018, 9: 1000083, 1: 1000015, 13: [{1: 0, 2: h'FF'}]},
    [6: 1000059, 7: 64, 8: 1, 5: 1000018, 9: 1000082, 1: 1000015, 13: [{1: 0, 2: h'200104701F2101D2'}]},
    [6: 1000058, 7: 64, 8: 1, 5: 1000018, 9: 1000082, 1: 1000015, 13: [{1: 0, 2: h'0000000000000001'}]},
    [6: 1000056, 7: 64, 8: 1, 5: 1000018, 9: 1000083, 1: 1000016],
    [6: 1000055, 7: 64, 8: 1, 5: 1000018, 9: 1000083, 1: 1000016]},
  34: 6, rule-id-value
  33: 3, rule-id-length
  35: 1000087}, rule-nature nature-compression
{34: 12, rule-id-value
  33: 11, rule-id-length
  35: 1000088, rule-nature nature-fragmentation
  2: 1000020, direction di-up
  29: 1000090, rcs-algorithm rcs-RFC8724
  3: 2, dtag-size
  20: 3, fcn-size
  21: 1000080}, fragmentation-mode fragmentation-mode-no-ack
{34: 100, rule-id-value
  33: 8, rule-id-length
  35: 1000089} rule-nature nature-no-compression
  
```

Access control

33

```

/ietf-schc:schc
rule
{1000094: {1: [
  {4:
    entry field-id field-length field-position direction-indicator matching-operator comp-decomp-action target-value index value
    [{6: 1000067, 7: 4, 8: 1, 5: 1000018, 9: 1000082, 1: 1000015, 13: [{1: 0, 2: h'06'}]},
    {6: 1000064, 7: 8, 8: 1, 5: 1000018, 9: 1000082, 1: 1000015, 13: [{1: 0, 2: h''}]},
    {6: 1000060, 7: 20, 8: 1, 5: 1000018, 9: 1000083, 1: 1000015, 13: [{1: 0, 2: h''}]},
    {6: 1000063, 7: 16, 8: 1, 5: 1000018, 9: 1000083, 1: 1000011},
    {6: 1000062, 7: 8, 8: 1, 5: 1000018, 9: 1000082, 1: 1000015, 13: [{1: 0, 2: h'3A'}]},
    {6: 1000061, 7: 8, 8: 1, 5: 1000018, 9: 1000083, 1: 1000015, 13: [{1: 0, 2: h'FF'}]},
    {6: 1000059, 7: 64, 8: 1, 5: 1000018, 9: 1000082, 1: 1000015, 13: [{1: 0, 2: h'200104701F2101D2'}]},
    {6: 1000058, 7: 64, 8: 1, 5: 1000018, 9: 1000082, 1: 1000015, 13: [{1: 0, 2: h'0000000000000001'}]},
    {6: 1000056, 7: 64, 8: 1, 5: 1000018, 9: 1000083, 1: 1000016},
    {6: 1000055, 7: 64, 8: 1, 5: 1000018, 9: 1000083, 1: 1000016}],
  34: 6, rule-id-value
  33: 3, rule-id-length
  35: 1000087}, rule-nature nature-compression
{34: 12, rule-id-value
  33: 11, rule-id-length
  35: 1000088, rule-nature nature-fragmentation
  2: 1000020, direction di-up
  29: 1000090, rcs-algorithm rcs-RFC8724
  3: 2, dtag-size
  20: 3, fcn-size
  21: 1000080}, fragmentation-mode fragmentation-mode-no-ack
{34: 100, rule-id-value
  33: 8, rule-id-length
  35: 1000089} rule-nature nature-no-compression

```