

查找在Cisco IOS XR软件的杨型号(cXR和eXR)

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简介

本文描述如何查找在路由器的另外下一代(杨)型号。为了知道模拟一个特定的Cisco IOS XR版本支持哪杨可以是繁琐的，并且新模型时常被添加或更改当前型号。供参考，您能也找到在github的杨型号，但是他们也许不最新。

这是github贮藏库的一条链路。 [github贮藏库](#)

查找在XR的杨型号

这是示例您有不是解决的两个型号的地方：

```
RP/0/RSP0/CPU0:ASR9904-B#show telemetry model-driven subscription 1
```

```
Mon Apr 30 04:33:42.421 EST
```

```
Subscription: 1
```

```
-----
```

```
State:          NOT ACTIVE
```

```
Sensor groups:
```

```
Id: Memory
```

```
Sample Interval: 10000 ms
```

```
Sensor Path:      Cisco-IOS@-XR-nto-misc-oper:memory-summary/nodes/node/summary
```

```
Sensor Path State: Not Resolved
```

```
Sensor Path:      Cisco-IOS@-XR-procmem-oper:processes-memory/nodes/node/process-ids/process-id
```

```
Sensor Path State: Not Resolved
```

集组：

```
-----
```

```
No active collection groups
```

The first thing to do after going into the shell is to change directories to /pkg/yang. This is

where the yang models are stored.

The models we specified in the configuration are not resolved because the models do not exist on the router as we can see from the 'ls' commands. When we search for the 'procmem' yang model for instance we see that it has changed from Cisco-IOS@-XR-procmem-oper to Cisco-IOS@-XR-nto-misc-shprocmem-oper.

However, we should examine this file further to see if anything else has changed in the model structure.

```
As we can see with this model the container/list process-ids/process-id has changed to job-ids/job-id. RP/0/RSP0/CPU0:ASR9904-B# RP/0/RSP0/CPU0:ASR9904-B# RP/0/RSP0/CPU0:ASR9904-B#run Mon Apr 30 04:34:04.911 EST # cd /pkg/yang # ls -l Cisco-IOS@-XR-nto-misc-oper* ls: No such file or directory (Cisco-IOS-XR-nto-misc-oper*) # ls -l Cisco-IOS@-XR-procmem-oper* ls: No such file or directory (Cisco-IOS-XR-procmem-oper*) # ls -l Cisco-IOS@-XR-nto-misc* -rw-r--r-- 2 13707 25 4320 Jun 29 2017 Cisco-IOS@-XR-nto-misc-shmem-oper-sub1.yang -rw-r--r-- 2 13707 25 1732 Jun 29 2017 Cisco-IOS@-XR-nto-misc-shmem-oper.yang -rw-r--r-- 2 13707 25 1388 Jun 29 2017 Cisco-IOS@-XR-nto-misc-shprocmem-oper-sub1.yang -rw-r--r-- 2 13707 25 1719 Jun 29 2017 Cisco-IOS@-XR-nto-misc-shprocmem-oper.yang # ls -l Cisco-IOS@-XR*procmem* -rw-r--r-- 2 13707 25 1388 Jun 29 2017 Cisco-IOS@-XR-nto-misc-shprocmem-oper-sub1.yang -rw-r--r-- 2 13707 25 1719 Jun 29 2017 Cisco-IOS@-XR-nto-misc-shprocmem-oper.yang # # more Cisco-IOS@-XR-nto-misc-shprocmem-oper.yang module Cisco-IOS@-XR-nto-misc-shprocmem-oper { /**/ namespace "http://cisco.com/ns/yang"+ "/Cisco-IOS@-XR-nto-misc-shprocmem-oper"; prefix "nto-misc-shprocmem-oper"; /**/ LINKAGE (IMPORTS / INCLUDES) /**/ import Cisco-IOS@-XR-types { prefix "xr"; } include Cisco-IOS@-XR-nto-misc-shprocmem-oper-sub1 { revision-date 2015-11-09; } /**/ META INFORMATION /**/ organization "Cisco Systems, Inc."; contact "Cisco Systems, Inc. Customer Service Postal: 170 West Tasman Drive San Jose, CA 95134 Tel: +1 800 553-NETS E-mail: cs-yang@cisco.com"; description "This module contains a collection of YANG definitions for Cisco IOS@-XR nto-misc-shprocmem package operational data. This module contains definitions for the following management objects: processes-memory: Process statistics Copyright (c) 2013-2016 by Cisco Systems, Inc. All rights reserved."; revision "2015-11-09" { description "IOS@ XR 6.0 revision."; } container processes-memory { config false; description "Process statistics"; container nodes { description "List of nodes"; list node { key "node-name"; description "Node ID"; container job-ids { description "List of jobs"; list job-id { key "job-id"; description "Job Id"; leaf job-id { type int32; description "Job Id"; } uses PROCESSESMEMORY-ENTRY; } } leaf node-name { type xr:Node-id; description "Node name"; } } } } # exit
```

在您确认这些更改后，您能看到现在解决两个型号。

这也是表示的一些示例，传感器路径的零件可以指定，并且必须为Cisco IOS指定工作IDS容器-而不是XR nto MISC shprocmem操作过程标识符。

```
RP/0/RSP0/CPU0:ASR9904-B#show telemetry model-driven subscription 1
```

```
Tue May 1 06:33:15.986 EST
```

```
Subscription: 1
```

```
-----
```

```
State: NOT ACTIVE
```

```
Sensor groups:
```

```
Id: Memory
```

```
Sample Interval: 10000 ms
```

```
Sensor Path: Cisco-IOS@-XR-nto-misc-oper:memory-summary/nodes/node/summary
```

```
Sensor Path State: Not Resolved
```

```
Sensor Path: Cisco-IOS@-XR-nto-misc-shmem-oper:memory-summary
```

```
Sensor Path State: Resolved
```

```
Sensor Path: Cisco-IOS@-XR-nto-shmem-misc-oper:memory-summary
```

```
Sensor Path State: Not Resolved
```

```
Sensor Path: Cisco-IOS@-XR-nto-misc-shmem-oper:memory-summary/nodes/node/summary
```

```
Sensor Path State: Resolved
```

```
Sensor Path: Cisco-IOS@-XR-nto-misc-shprocmem-oper:processes-
```

```
memory/nodes/node/process-ids/process-id
```

```
Sensor Path State: Not Resolved
```

```
Sensor Path: Cisco-IOS@-XR-nto-misc-shprocmem-oper:processes-memory/nodes/node/job-
```

```
ids/job-id
  Sensor Path State:   Resolved
  Sensor Path:         Cisco-IOS@-XR-procmem-oper:processes-memory/nodes/node/process-
ids/process-id
  Sensor Path State:   Not Resolved

Collection Groups:
-----
No active collection groups
```

查找杨型号在Admin模式(eXR)下

同样负责人可以适用为了查找在XR的杨型号到admin模式，唯一的区别是路径。

杨型号找出的路径在这里：`/opt/cisco/calvados/1.00/etc/confd/yang`