

问题描述

客户配置多个NQA策略与track联动检测链路，目前需要网管中心通过OID节点获取对应链路的检测信息。

解决方法

华三设备目前不支持track节点OID，因此只能从NQA状态入手解决此问题。

1、通过MIB手册找到表示NQA状态的节点

hh3cNqaReactCurrentStatus (1.3.6.1.4.1.25506.8.3.1.13.1.11)	read-only	No	As per MIB
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2、举例：获取admin test NQA节点探测情况

配置命令：

```
nqa entry admin test
type icmp-echo
destination ip 172.31.123.100
frequency 5000
history-record enable
history-record number 10
probe count 10
probe timeout 500
```

节点计算方法：

5.97.100.109.105.110.4.116.101.115.116 = admin test

其中5代表admin名称的5个字符，4代表test名称的4个字符，其余需要将字母转换为ASCII码。

- 97=a
- 100=d
- 109=m
- 105=i
- 110=n
- #
- 116=t
- 101=e
- 115=s
- 116=t

因此获取admin test OID为1.3.6.1.4.1.25506.8.3.1.13.1.11.5.97.100.109.105.110.4.116.101.115.116

NQA探测失败状态：

```
[MSR5660]dis nqa statistics
NQA entry (admin admin, tag test) test statistics:
NO. : 1
Start time: 2010-08-25 21:44:33.3
Life time: 36 seconds
Send operation times: 0          Receive response times: 0
Min/Max/Average round trip time: 0/0/0
Square-Sum of round trip time: 0
Extended results:
Packet loss ratio: 0%
Failures due to timeout: 0
Failures due to internal error: 0
Failures due to other errors: 80
Reaction statistics:
Index  Checked Element  Threshold Type  Checked Num  Over-threshold Num
1      probe-fail    consecutive    80           80
```

Index	Checked Element	Threshold Type	Checked Num	Over-threshold Num
1	probe-fail	consecutive	80	80

NQA探测成功状态:

[MSR5660]dis nqa statistics

NQA entry (admin admin, tag test) test statistics:

NO. : 1

Start time: 2010-08-25 22:00:02.5

Life time: 16 seconds

Send operation times: 40 Receive response times: 40

Min/Max/Average round trip time: 1/2/1

Square-Sum of round trip time: 64

Extended results:

Packet loss ratio: 0%

Failures due to timeout: 0

Failures due to internal error: 0

Failures due to other errors: 0

Reaction statistics:

Index Checked Element Threshold Type Checked Num Over-threshold Num

1 probe-fail consecutive 40 0

附:

ASCII码对照表
 下表列出了字符集中的 0 - 127 (0x00 - 0x7F)。

十进制	十六进制	字符	十进制	十六进制	字符	十进制	十六进制	字符	十进制	十六进制	字符
0	0x00		32	0x20	[空格]	64	0x40	@	96	0x60	`
1	0x01		33	0x21	!	65	0x41	A	97	0x61	a
2	0x02		34	0x22	"	66	0x42	B	98	0x62	b
3	0x03		35	0x23	#	67	0x43	C	99	0x63	c
4	0x04		36	0x24	\$	68	0x44	D	100	0x64	d
5	0x05		37	0x25	%	69	0x45	E	101	0x65	e
6	0x06		38	0x26	&	70	0x46	F	102	0x66	f
7	0x07		39	0x27	'	71	0x47	G	103	0x67	g
8	0x08	**	40	0x28	(	72	0x48	H	104	0x68	h
9	0x09	**	41	0x29	)	73	0x49	I	105	0x69	i
10	0x0A	**	42	0x2A	*	74	0x4A	J	106	0x6A	j
11	0x0B		43	0x2B	+	75	0x4B	K	107	0x6B	k
12	0x0C		44	0x2C	,	76	0x4C	L	108	0x6C	l
13	0x0D	**	45	0x2D	-	77	0x4D	M	109	0x6D	m
14	0x0E		46	0x2E	.	78	0x4E	N	110	0x6E	n
15	0x0F		47	0x2F	/	79	0x4F	O	111	0x6F	o
16	0x10		48	0x30	0	80	0x50	P	112	0x70	p
17	0x11		49	0x31	1	81	0x51	Q	113	0x71	q
18	0x12		50	0x32	2	82	0x52	R	114	0x72	r
19	0x13		51	0x33	3	83	0x53	S	115	0x73	s
20	0x14		52	0x34	4	84	0x54	T	116	0x74	t
21	0x15		53	0x35	5	85	0x55	U	117	0x75	u
22	0x16		54	0x36	6	86	0x56	V	118	0x76	v
23	0x17		55	0x37	7	87	0x57	W	119	0x77	w
24	0x18		56	0x38	8	88	0x58	X	120	0x78	x
25	0x19		57	0x39	9	89	0x59	Y	121	0x79	y
26	0x1A		58	0x3A	:	90	0x5A	Z	122	0x7A	z
27	0x1B		59	0x3B	;	91	0x5B	[	123	0x7B	{
28	0x1C		60	0x3C	<	92	0x5C	\	124	0x7C	|
29	0x1D		61	0x3D	=	93	0x5D	]	125	0x7D	}
30	0x1E		62	0x3E	>	94	0x5E	^	126	0x7E	~
31	0x1F		63	0x3F	?	95	0x5F	_	127	0x7F	