

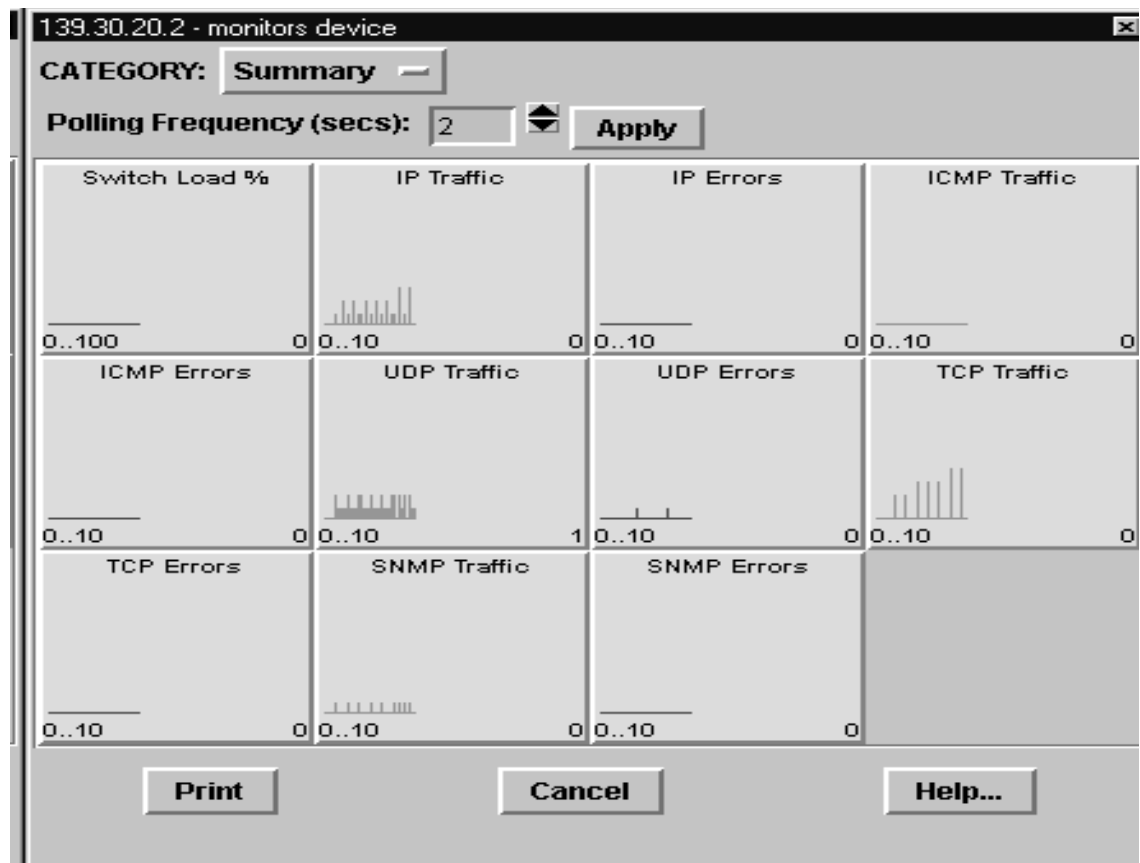
Anhang D - Abbildungen und Listings zu Möglichkeiten netzinterner Analysetools

Möglichkeiten des Netzmanagementsystems

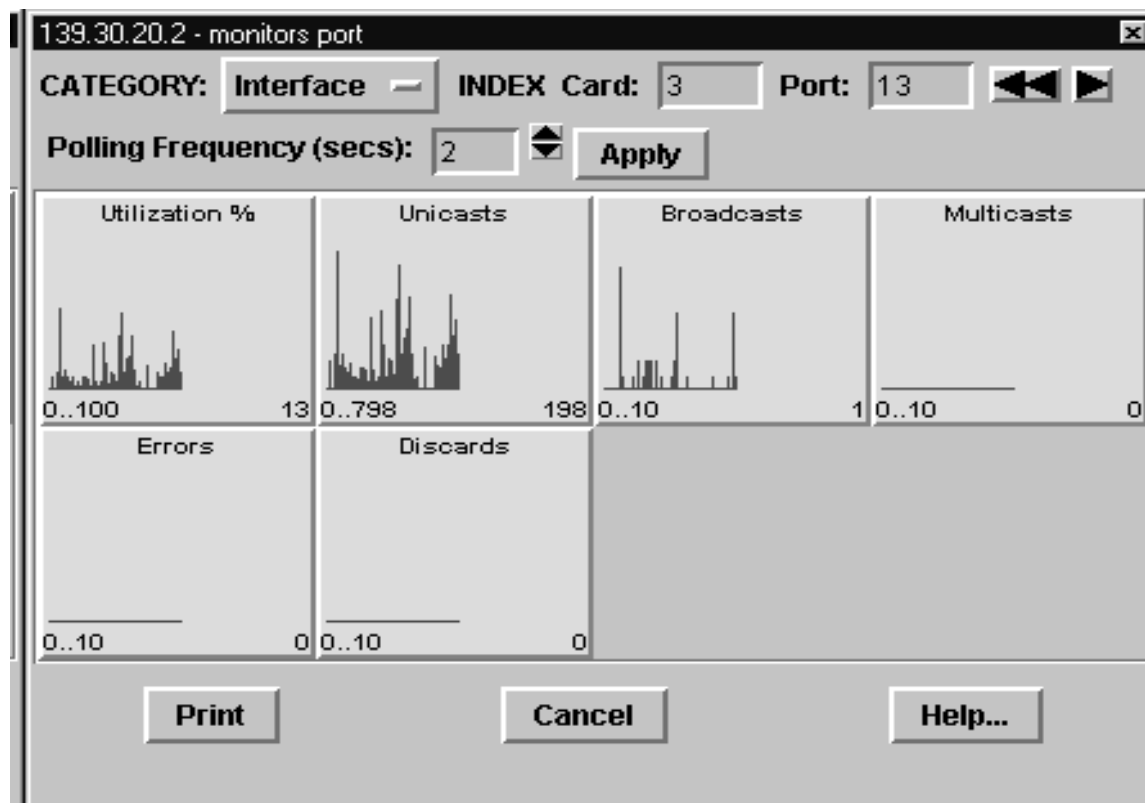
Cisco View erlaubt das Monitoring von Gerätekonfigurationen und Statusinformationen auf verschiedenen Ebenen. Die im folgendem dargestellten Beispiele sollen diese Möglichkeiten verdeutlichen.



Anzeige der Gerätekonfiguration für einen Cisco Catalyst 5000 mittels
Cisco View



Statusinformationen für das Gesamtgerät



Weitere Möglichkeit des Auslesens von Statistiken, Konfigurations- und Fehlerinformationen durch manuelle Befehle

```
sh po
```

Port Name	Status	Vlan	Level	Duplex	Speed	Type

1/1	notconnect	1	normal	half	100	100BaseTX
1/2	notconnect	1	normal	half	100	100BaseTX
2/1	connected	trunk	normal	full	155	OC3 MMF ATM
3/1 run-gate	connected	5	normal	half	10	10BaseT
3/2 hp1	connected	5	normal	half	10	10BaseT
3/3 hp-router Dumm	connected	5	normal	half	10	10BaseT
3/4 info1	connected	5	normal	half	10	10BaseT
3/5 info2	connected	5	normal	full	10	10BaseT
3/6 info3	connected	5	normal	half	10	10BaseT
3/7 info4	connected	5	normal	half	10	10BaseT
3/8 top	connected	5	normal	half	10	10BaseT
3/9 ida	connected	5	normal	half	10	10BaseT
3/10 par0	notconnect	7	normal	half	10	10BaseT
3/11 ws01	connected	6	normal	half	10	10BaseT
3/12 nov1	connected	8	normal	half	10	10BaseT
3/13 nt1	connected	8	normal	full	10	10BaseT
3/14 hp2	connected	7	normal	half	10	10BaseT
3/15 Printserv. RR IPX	connected	8	normal	half	10	10BaseT
3/16 qms1	connected	6	normal	half	10	10BaseT
3/17 Printserv. gr. Lab.	connected	8	normal	half	10	10BaseT
3/18 nt19	connected	8	normal	half	10	10BaseT
3/19	connected	8	normal	half	10	10BaseT
3/20 ws10	connected	7	normal	half	10	10BaseT
3/21 ws03	connected		normal	half	10	10BaseT
3/22 ws05	connected	7	normal	half	10	10BaseT
3/23	notconnect	1	normal	half	10	10BaseT
3/24	notconnect	1	normal	half	10	10BaseT
4/1	notconnect	1	normal	half	10	10BaseFL MM
4/2 rz-gate Po. 2b	connected	5	normal	half	10	10BaseFL MM
4/3	notconnect	1	normal	half	10	10BaseFL MM
4/4 Hub Telefonzentrale	connected	6	normal	half	10	10BaseFL MM
4/5	notconnect	1	normal	half	10	10BaseFL MM
4/6	notconnect	1	normal	half	10	10BaseFL MM
4/7	notconnect	1	normal	half	10	10BaseFL MM
4/8 Cray	connected	6	normal	half	10	10BaseFL MM
4/9	notconnect	1	normal	half	10	10BaseFL MM
4/10	notconnect	7	normal	half	10	10BaseFL MM
4/11 Hub A10a DOS-Pool	notconnect	8	normal	half	10	10BaseFL MM
4/12 Baracke D6	connected	6	normal	half	10	10BaseFL MM
5/1 cad1	connected	7	normal	half	10	10BaseT
5/2 cr02	connected	7	normal	half	10	10BaseT
5/3 cr03	connected	7	normal	half	10	10BaseT
5/4 cks1	connected	7	normal	half	10	10BaseT
5/5 cl03	connected	7	normal	half	10	10BaseT
5/6 cl02	connected	7	normal	half	10	10BaseT
5/7 cl01	connected	7	normal	half	10	10BaseT
5/8 cr01	connected	7	normal	half	10	10BaseT
5/9 nt1	connected	6	normal	full	10	10BaseT
5/10	notconnect	7	normal	half	10	10BaseT
5/11	connected	6	normal	half	10	10BaseT

5/12 info5	connected	5	normal	full	10	10BaseT
5/13 indy	connected	6	normal	half	10	10BaseT
5/14	connected	6	normal	half	10	10BaseT
5/15	connected	6	normal	half	10	10BaseT
5/16 happy	connected	6	normal	half	10	10BaseT
5/17 sunny	connected	6	normal	half	10	10BaseT
5/18 celsius1	connected	6	normal	half	10	10BaseT
5/19 alpha	connected	6	normal	half	10	10BaseT
5/20 ws07	connected	6	normal	half	10	10BaseT
5/21	notconnect	1	normal	half	10	10BaseT
5/22	notconnect	6	normal	half	10	10BaseT
5/23	notconnect	6	normal	half	10	10BaseT
5/24	notconnect	1	normal	half	10	10BaseT

Port	Align-Err	FCS-Err	Xmit-Err	Rcv-Err

1/1	0	0	0	0
1/2	0	0	0	0
3/1	0	0	0	0
3/2	0	0	0	0
3/3	0	0	0	0
3/4	0	0	0	0
3/5	0	397	0	0
3/6	2	6	0	0
3/7	2336	220	0	0
3/8	0	0	0	0
3/9	1	0	0	0
3/10	0	0	0	0
...				
4/3	0	0	0	0
4/4	1	16	0	0
4/5	0	0	0	0
...				
5/10	0	0	0	0
5/11	0	10	0	0
5/12	9347	1519	0	0
5/13	0	0	0	0
5/14	120	0	0	0
5/15	13	39	0	0
5/16	0	0	0	0
...				
5/24	0	0	0	0

Port	Single-Coll	Multi-Coll	Late-Coll	Excess-Col	Carri-Sens	Runts	Giants

1/1	0	0	0	0	0	0	-
1/2	0	0	0	0	0	0	-
3/1	3344	738	0	0	0	0	0
3/2	42	11	0	0	0	0	0
3/3	35	16	0	0	0	3	0
3/4	2091	1335	0	0	0	0	0
3/5	0	0	0	0	0	176	0
3/6	265607	346481	0	0	0	0	0
3/7	211207	109919	0	0	0	1113	0
3/8	675	198	0	0	0	0	0
3/9	36	13	0	0	0	8	0
3/10	0	0	0	0	0	0	0
3/11	437	118	0	0	0	0	0
3/12	32544	8654	0	0	0	0	0

3/13	0	0	0	0	0	0	0
3/14	522	152	0	0	0	0	0
3/15	0	0	0	0	0	0	0
3/16	6	2	0	0	0	0	0
3/17	0	0	0	0	0	0	0
3/18	51385	16518	0	0	0	0	0
3/19	2	0	0	0	0	0	0
3/20	13349	3344	0	0	0	0	0
3/21	9859	1687	0	0	0	0	0
3/22	2204	522	0	0	0	0	0
3/23	0	0	0	0	0	0	0
3/24	0	0	0	0	0	0	0
4/1	0	0	0	0	0	0	0
4/2	825	285	0	0	0	0	0
4/3	0	0	0	0	0	0	0
4/4	17612	3458	0	0	0	1	0
4/5	0	0	0	0	0	0	0
4/6	0	0	0	0	0	0	0
4/7	0	0	0	0	0	0	0
4/8	47	21	0	0	0	0	0
4/9	0	0	0	0	0	0	0
4/10	0	0	0	0	0	0	0
4/11	0	0	0	0	0	0	0
4/12	35	14	0	0	0	0	0
5/1	5097	0	0	0	0	0	0
5/2	749	0	0	0	0	0	0
5/3	4180	0	0	0	0	0	0
5/4	153048	2	0	0	0	0	0
5/5	3305	0	0	0	0	0	0
5/6	61600	15	0	0	0	0	0
5/7	9619	0	0	0	0	0	0
5/8	1270	0	0	0	0	0	0
5/9	0	0	0	0	0	0	0
5/10	0	0	0	0	0	0	0
5/11	255671	04017	0	0	0	0	0
5/12	769	2	0	0	0	18530	0
5/13	1410	532	0	0	0	0	0
5/14	759643	156454	0	0	0	137	0
5/15	32660	224	0	0	0	0	0
5/16	882	244	0	0	0	0	0
5/17	162	42	0	0	0	0	0
5/18	123933	2295	0	0	0	0	0
5/19	2	3	0	0	0	0	0
5/20	187	56	0	0	0	0	0
5/21	0	0	0	0	0	0	0
5/22	0	0	0	0	0	0	0
5/23	0	0	0	0	0	0	0
5/24	428	126	0	0	0	0	0

Use 'session' command to see ATM counters.

Last-Time-Cleared

 Mon Dec 9 1996, 13:21:57
 C5000_RR> (enable) sh mod

Mod	Module-Name	Ports	Module-Type	Model	Serial-Num	Status
1		2	100BaseTX Supervisor	WS-X5009	002662251	ok

2	1	MM OC-3 ATM	WS-X5155	002203322	ok
3	24	10BaseT Ethernet	WS-X5010	002680648	ok
4	12	10BaseFL Ethernet	WS-X5011	002724084	ok
5	24	10BaseT Ethernet	WS-X5010	002680631	ok

Mod	MAC-Address(es)	Hw	Fw	Sw
1	00-60-3e-b8-a0-00 thru 00-60-3e-b8-a3-ff	1.8	1.4	2.1(3)
2	00-40-0b-d0-17-d5	1.0	1.2	2.2
3	00-60-2f-36-78-18 thru 00-60-2f-36-78-2f	2.4	1.1	2.1(3)
4	00-60-2f-34-c6-f4 thru 00-60-2f-34-c6-ff		1.1	1.2 2.1(3)
5	00-60-2f-36-78-c0 thru 00-60-2f-36-78-d7	2.4	1.1	2.1(3)

C5000_RR> (enable)