Netzname	Anzahl der Rechner	IP-Netzadresse	Subnetzmaske	1. verwendbare IP-Adresse im Netz	letzte verwendbare Adresse im Netz	Netz-Broadcastadresse
SW-Aachen 1	20000(max. 32766)	93.86.0.0/17	255.255.128.0	93.86.0.1	93.86.127.254	93.86.127.255
SW-Stockholm 1	14000(max. 16382)	93.86.128.0/18	255.255.192.0	93.86.128.1	93.86.191.254	93.86.191.255
SW-Aachen 2	3650(max. 4094)	93.86.192.0/20	255.255.240.0	93.86.192.1	93.86.207.254	93.86.207.255
SW-Amsterdam	2800(max. 4094)	93.86.208.0/20	255.255.240.0	93.86.208.1	93.86.223.254	93.86.223.255
SW-Stockholm 2	2000(max. 2046)	93.86.224.0/21	255.255.248.0	93.86.224.1	93.86.231.254	93.86.231.255
SW-Madrid	1500(max. 2046)	93.86.232.0/21	255.255.248.0	93.86.231.1	93.86.239.254	93.86.239.255
SW-Aachen 4	1250(max. 2046)	93.86.240.0/21	255.255.248.0	93.86.240.1	93.86.247.254	93.86.247.255
SW-Aachen 3	1000(max. 1022)	93.86.248.0/22	255.255.252.0	93.86.248.1	93.86.251.254	93.86.251.255
SW-Aachen 5	1000(max. 1022)	93.86.252.0/22	255.255.252.0	93.86.252.1	93.86.255.254	93.86.255.255
SW-Aachen 7	600(max. 1022)	93.87.0.0/22	255.255.252.0	93.87.0.1	93.87.3.254	93.87.3.255
SW-Moskau 1	200(max. 254)	93.87.4.0/24	255.255.255.0	93.87.4.1	93.87.4.254	93.87.4.255
SW-Moskau 2	150(max. 254)	93.87.5.0/24	255.255.255.0	93.87.5.1	93.87.5.254	93.87.5.255
SW-Aachen 6	50(max. 62)	93.87.6.0/26	255.255.255.192	93.87.6.1	93.87.6.62	93.87.6.63
VN1	2(max. 2)	93.87.6.64/30	255.255.255.252	93.87.6.65	93.87.6.66	93.87.6.67
VN2	2(max. 2)	93.87.6.68/30	255.255.255.252	93.87.6.69	93.87.6.70	93.87.6.71
VN3	2(max. 2)	93.87.6.72/30	255.255.255.252	93.87.6.73	93.87.6.74	93.87.6.75
VN4	2(max. 2)	93.87.6.76/30	255.255.255.252	93.87.6.77	93.87.6.78	93.87.6.79
VN5	2(max. 2)	93.87.6.80/30	255.255.255.252	93.87.6.81	93.87.6.82	93.87.6.83
VN6	2(max. 2)	93.87.6.84/30	255.255.255.252	93.87.6.85	93.87.6.86	93.87.6.87
VN7	2(max. 2)	93.87.6.88/30	255.255.255.252	93.87.6.89	93.87.6.90	93.87.6.91
VN8	2(max. 2)	93.87.6.92/30	255.255.255.252	93.87.6.93	93.87.6.94	93.87.6.95
VN9	2(max. 2)	93.87.6.96/30	255.255.255.252	93.87.6.97	93.87.6.98	93.87.6.99

Router	Schnittstelle	IP-Adresse
Aachen Nord	Serial0/0	93.87.6.69/30
	Serial0/1	93.87.6.65/30
	FastEthernet0/0	93.86.248.1/22
	FastEthernet0/1	93.86.192.1/20
	Ethernet1/0	93.86.0.1/17
Aachen Sued	Serial0/0	93.87.6.73/30
	Serial0/2	93.87.6.77/30
	Serial0/3	93.87.6.70/30
	FastEthernet0/0	93.86.240.1/21
	FastEthernet0/1	93.86.252.1/22
	Ethernet1/0	93.87.6.1/26
	Ethernet1/1	93.87.0.1/22
Madrid	Serial0/0	93.87.6.74/30
	Serial0/1	93.87.6.82/30
	Serial0/2	93.87.6.66/30
	Serial0/3	93.87.6.85/30
	FastEthernet0/0	93.86.231.1/21
Amsterdam	Serial0/0	93.87.6.93/30
	Serial0/1	93.87.6.78/30
	Serial0/2	93.87.6.89/30
	Serial0/3	93.87.6.81/30
	FastEthernet0/0	93.86.208.1/20
Stockholm	Serial0/0	93.87.6.90/30
	Serial0/2	93.87.6.86/30
	Serial0/3	93.87.6.98/30
	FastEthernet0/0	93.86.128.1/18
	FastEthernet0/1	93.86.224.1/21
Moskau	Serial0/0	100.50.25.34/30
	Serial0/2	93.87.6.94/30
	Serial0/3	93.87.6.97/30
	FastEthernet0/0	93.87.4.1/24
	FastEthernet0/1	93.87.5.1/24
ISP	FastEthernet0/0	100.50.25.1/30
	Serial0/1/0	100.50.25.33/30

Hostname	Schnittstelle	IP-Adresse
PC-AC1	FastEthernet0	93.86.0.2
PC-AC2	FastEthernet0	93.86.192.2
PC-AC3	FastEthernet0	93.86.248.2
PC-AC4	FastEthernet0	93.86.240.2
PC-AC5	FastEthernet0	93.86.252.2
PC-AC6	FastEthernet0	93.87.6.2
PC-AC7	FastEthernet0	93.87.0.2
PC-Amsterdam	FastEthernet0	93.86.208.2
PC-Madrid	FastEthernet0	93.86.231.2
PC-Moskau1	FastEthernet0	93.87.4.2
PC-Moskau2	FastEthernet0	93.87.5.2
PC-Stockholm1	FastEthernet0	93.86.128.2
PC-Stockholm2	FastEthernet0	93.86.224.0
Server1	FastEthernet0	93.87.5.3
Webserver	FastEthernet0	100.50.25.2

Router/Hops	Aachen Nord	Aachen Sued	Madrid	Amsterdam	Stockholm	Moskau
Aachen Nord	x	120/1	120/1	120/2	120/2	120/3
Aachen Sued	120/1	x	120/1	120/1	120/2	120/2
Madrid	120/1	120/1	x	120/1	120/1	120/2
Amsterdam	120/2	120/1	120/1	x	120/1	120/1
Stockholm	120/2	120/2	120/1	120/1	x	120/1
Moskau	120/3	120/2	120/2	120/1	120/1	x

Router/Hops	Aachen Nord	Aachen Sued	Madrid	Amsterdam	Stockholm	Moskau
Aachen Nord	x	120/1	120/1	120/2	120/2	120/3
Aachen Sued	120/1	x	120/1	120/1	120/2	120/2
Madrid	120/1	120/1	x	120/1	120/1	120/2
Amsterdam	120/2	120/1	120/1	x	120/1	120/1
Stockholm	120/2	120/2	120/1	120/1	x	120/1
Moskau	120/3	120/2	120/2	120/1	120/1	x

Madrid (Start)	
Ziel	Hops
93.86.0.0/17	1
93.86.128.0/18	1
93.86.192.0/20	1
93.86.208.0/20	1
93.86.224.0/21	1
93.86.232.0/21	0
93.86.240.0/21	1
93.86.248.0/22	1
93.86.252.0/22	1
93.87.0.0/22	1
93.87.4.0/24	2
93.87.5.0/24	2
93.87.6.0/26	1
93.87.6.64/30	0
93.87.6.68/30	1
93.87.6.72/30	0
93.87.6.76/30	1
93.87.6.80/30	0
93.87.6.84/30	0
93.87.6.88/30	1
93.87.6.92/30	1
93.87.6.96/30	1
100.0.0.0/8	2