

WAN Connectivity provided by  
**Qwest**  
*ride the light*

Local Fiber Access provided by  
**AT&T**

AC to DC Electrical Conversion provided by  
**Marconi**

ARL/ Teraburst

Energy Sciences Network  
140.221.xxx.yyy/30 to Core-Rtr-1

ESnet  
140.221.xxx.yyy/30 to Core-Rtr-1

NGIX-East  
140.221.xxx.yyy/30 to Core-Rtr-2

NERSC/ LBNL  
140.221.xxx.yyy/30 to Core-Rtr-2

Abilene  
140.221.xxx.yyy/30 to Core-Rtr-2

NRL

**SCinet 2002 V4.2**

**Legend**

- PoS
- ATM
- Ethernet - 1 Gg
- Ethernet - 10 Gg
- DWDM

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09-20-2002

1500 Eekington Place  
Washington, D. C.

WS3234  
**LuxN**  
WAN-MUX-2

111 Market Place  
Baltimore, MD

WS3217  
**LuxN**  
WAN-MUX-3

Commodity Internet Service provided by  
**Qwest**  
*ride the light*

LuxN DWDM service to Baltimore Convention Center

Bandwidth Challenge Participants

BWC-Sw-1  
Force10  
E800

WS3234  
**LuxN**  
WAN-MUX-1

X-MUX-1  
FMA-32  
**Marconi**

X-MUX-2  
FMA-32  
**Marconi**

X-MUX-3  
FMA-32  
**Marconi**

ATM-Sw-1  
ASK-4000  
**Marconi**

DWDM Ring

Core-Rtr-1  
LO - 140.221.xxx.yyy/32  
**T640**  
INTERNET ROUTING NODE

Core-Rtr-2  
LO - 140.221.xxx.yyy/32  
**T320**  
INTERNET ROUTER

RingB-Mux4  
Cisco Systems  
ONS 15540

Sw-Rtr-5  
LO - 140.221.xxx.yyy/32  
Cisco Systems  
Catalyst 650x

Sw-Rtr-1  
LO - 140.221.xxx.yyy/32  
Cisco Systems  
Catalyst 650x

RingA-Mux2  
Ciena xxx  
**CIENA**  
Simply Smarter Light

Sw-Rtr-2  
LO - 140.221.xxx.yyy/32  
Cisco Systems  
Catalyst 650x

RingA-Mux3  
Ciena xxx  
**CIENA**  
Simply Smarter Light

RingA-Mux1  
Ciena xxx  
**CIENA**  
Simply Smarter Light

RingB-Mux1  
Cisco Systems  
ONS 15540

RingB-Mux4  
Cisco Systems  
ONS 15540

Sw-Rtr-5  
LO - 140.221.xxx.yyy/32  
Cisco Systems  
Catalyst 650x

Sw-Rtr-3  
LO - 140.221.xxx.yyy/32  
Cisco Systems  
Catalyst 650x

RingA-Mux4  
Ciena xxx  
**CIENA**  
Simply Smarter Light

RingA-Mux1  
Ciena xxx  
**CIENA**  
Simply Smarter Light

RingB-Mux1  
Cisco Systems  
ONS 15540

RingB-Mux4  
Cisco Systems  
ONS 15540

Sw-Rtr-5  
LO - 140.221.xxx.yyy/32  
Cisco Systems  
Catalyst 650x

Sw-Rtr-3  
LO - 140.221.xxx.yyy/32  
Cisco Systems  
Catalyst 650x

RingA-Mux4  
Ciena xxx  
**CIENA**  
Simply Smarter Light

RingA-Mux1  
Ciena xxx  
**CIENA**  
Simply Smarter Light

RingB-Mux1  
Cisco Systems  
ONS 15540

RingB-Mux4  
Cisco Systems  
ONS 15540

Sw-Rtr-5  
LO - 140.221.xxx.yyy/32  
Cisco Systems  
Catalyst 650x

Conf-Rtr  
LO - 140.221.xxx.yyy/32  
Cisco Systems  
OSR-12410

Conf-Sw  
LO - 140.221.xxx.yyy/32  
Force10  
E800

RingB-Mux2  
Cisco Systems  
ONS 15540

RingB-Mux3  
Cisco Systems  
ONS 15540

Sw-Rtr-4  
LO - 140.221.xxx.yyy/32  
Cisco Systems  
Catalyst 650x

SWDF-300H  
Cisco  
2950-24

SWDF-300G  
Cisco  
2950-24

SWDF-300F  
Cisco  
2950-24

SWDF-300N-1  
Cisco  
2950-24

SWDF-300N-2  
Cisco  
2950-24

SW-EDU-340  
Cisco  
2950-24

SW-EDU-347  
Cisco  
2950-24

SW-EDU-348  
Cisco  
2950-24

SW-EDU-349  
Cisco  
2950-24

SW-EDU-350  
Cisco  
2950-24

SWDF-100E  
Cisco  
2950-24

SWDF-200  
Cisco  
2950-24

SWDF-300S  
Cisco  
2950-24

SWDF-400  
Cisco  
2950-24

SWDF-100E  
Cisco  
2950-24

SW-EDU-346  
Cisco  
2950-24

SW-EDU-347  
Cisco  
2950-24

SW-EDU-348  
Cisco  
2950-24

SW-EDU-349  
Cisco  
2950-24

SW-EDU-350  
Cisco  
2950-24

SWDF-300S  
Cisco  
2950-24

SWDF-400  
Cisco  
2950-24

SWDF-100E  
Cisco  
2950-24

SW-EDU-340  
Cisco  
2950-24

SW-EDU-341  
Cisco  
2950-24

SW-EDU-342  
Cisco  
2950-24

SW-EDU-343  
Cisco  
2950-24

SW-EDU-344  
Cisco  
2950-24

ISP-Rtr  
LO - 140.221.xxx.yyy/32  
Cisco Systems  
7400

DS-3

WAN-MUX-4  
WS3202  
**LuxN**

SW-EMAIL  
Cisco  
2950-24

SW-OFFICE  
Cisco  
2950-24

SWDF-100E  
Cisco  
2950-24

SWDF-200  
Cisco  
2950-24

SWDF-300S  
Cisco  
2950-24

SWDF-400  
Cisco  
2950-24

SWDF-100E  
Cisco  
2950-24

SW-EDU-346  
Cisco  
2950-24

SW-EDU-347  
Cisco  
2950-24

SW-EDU-348  
Cisco  
2950-24

SW-EDU-349  
Cisco  
2950-24

SW-EDU-350  
Cisco  
2950-24

SWDF-300S  
Cisco  
2950-24

SWDF-400  
Cisco  
2950-24

SWDF-100E  
Cisco  
2950-24

SW-EDU-340  
Cisco  
2950-24

SW-EDU-341  
Cisco  
2950-24

SW-EDU-342  
Cisco  
2950-24

SW-EDU-343  
Cisco  
2950-24

SW-EDU-344  
Cisco  
2950-24

ISP-Rtr  
LO - 140.221.xxx.yyy/32  
Cisco Systems  
7400

DS-3

WAN-MUX-4  
WS3202  
**LuxN**