Choosing Routers

ISP Workshops

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Acknowledgements

- This material originated from the Cisco ISP/IXP Workshop Programme developed by Philip Smith & Barry Greene
    - This presentation was originally authored by Mark Tinka

- Use of these materials is encouraged as long as the source is fully acknowledged and this notice remains in place

- Bug fixes and improvements are welcomed
    - Please email *workshop (at) bgp4all.com*

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How to Choose a Router

□ Presentation covers typical routers being used by network operators

  ■ These are typical for mid to large operators, with 1Gbps and higher capacity backbones

  ■ "Your mileage may vary"

Border Router

- Cisco ASR9001
- Juniper MX80

Core Router

- □ Cisco CRS 8-slot

Core Switch

- Cisco C6880-X-LE

Production (Service) Router

- Cisco ASR1002-X

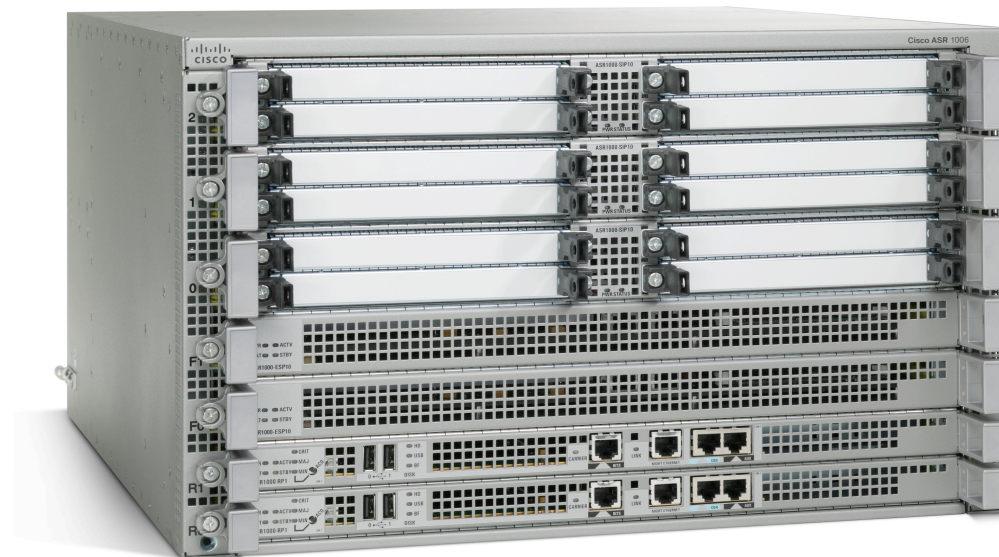# Production (Service) Switch

- Cisco 3650-48TQ-E

Peering Router

- Cisco ASR1002-X
- Juniper MX80
- Cisco ASR9001

NAT64/DNS64/464XLAT router

- Cisco ASR1006

Edge Router

□ Juniper MX480

Edge Switch

- Juniper EX4550

Route Reflector

- Cisco CSR1000v software
- HP ProLiant DL360p Gen8 1U servers

Metro-E switch

- Cisco ME3600X-24FS

Terminal Server

- Cisco 2901

SDH Edge Router

- Cisco ASR1006