Managed Security Services Provider (MSSP)

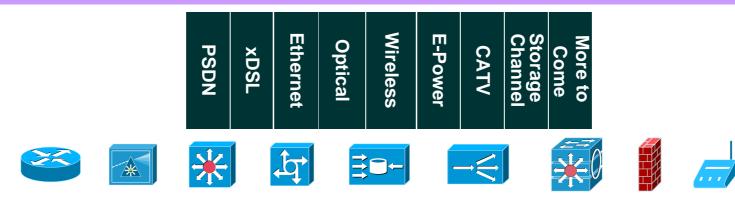
connet

IPv6

application convergence



IP Version 6





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IPv6 drivers

O.S. and Applications





128 bits

IPv4 uses 32 bits of address space

~4.2 billion possible addresses

IPv6 uses 128 bits of address space

- ~340 undecillion possible addresses
- = 340,282,366,920,938,463,463,374,607,431,768,211,456 (for those not familiar with the "-illion" scale)

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128 = 340,282,366,920,938,463,463,374,607,431,768,211,456



128 bits mean





The Earth's population is ~6.5 billion



If each IP address weighed one gram, the IPv6 address space would weigh more than 56 planet Earths



A typical brain has ~100 billion brain cells (your mileage may vary)

52 octillion

100 billion

 ~523 quadrillion IPv6 addresses per brain cell (523,511,333,724,520,713)



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