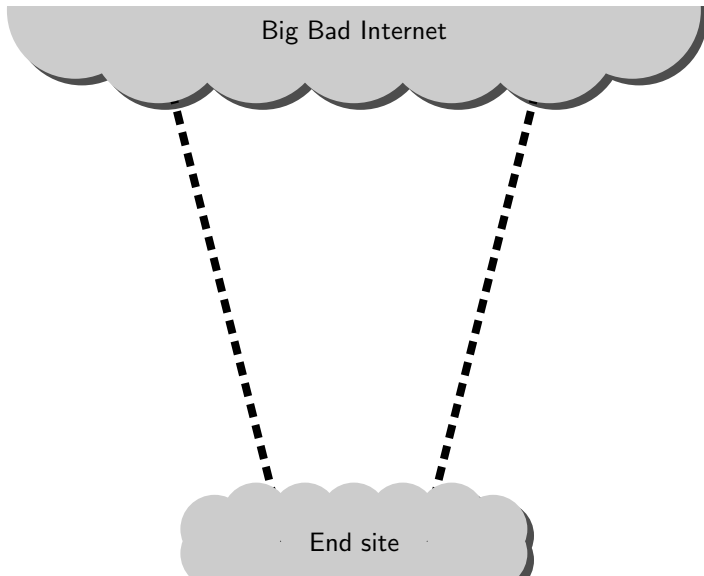


Small Scale Redundant IPv6 Uplinks without BGP

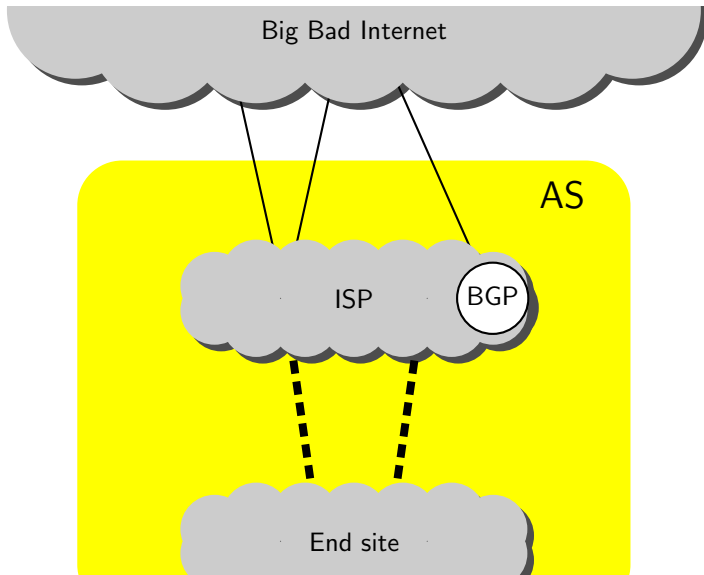
Benedikt Stockebrand
<me@stapladder-it.com>

RIPE 67
October 17, 2013
Athens, Greece
(*not* Athens, Georgia)

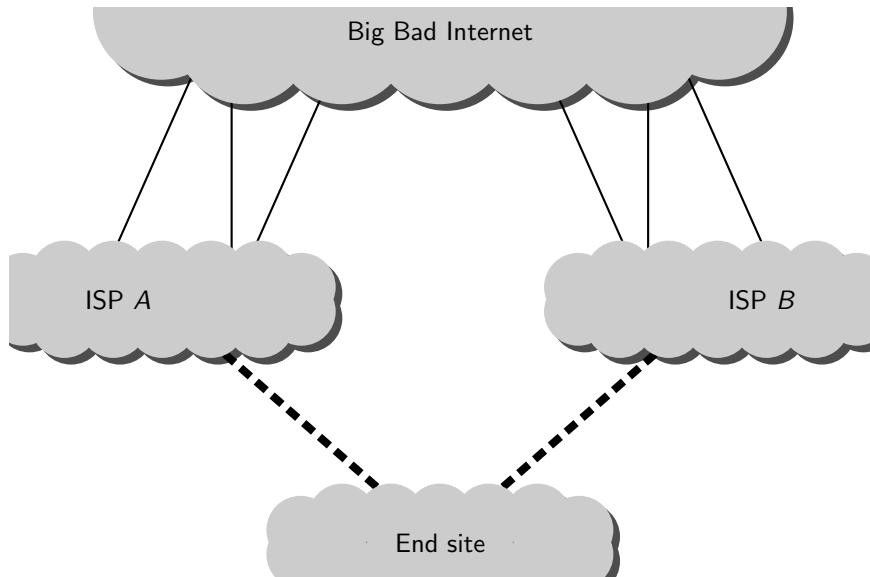
The Problem



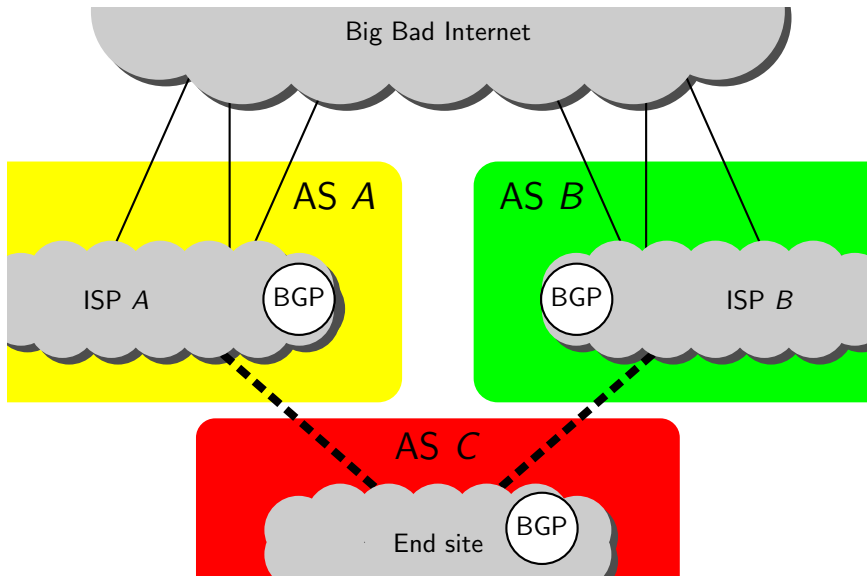
The “Too Small Scale” Solution



The Real Problem



The IPv4 Way



But...

Do we want the end customer to run BGP?

But...

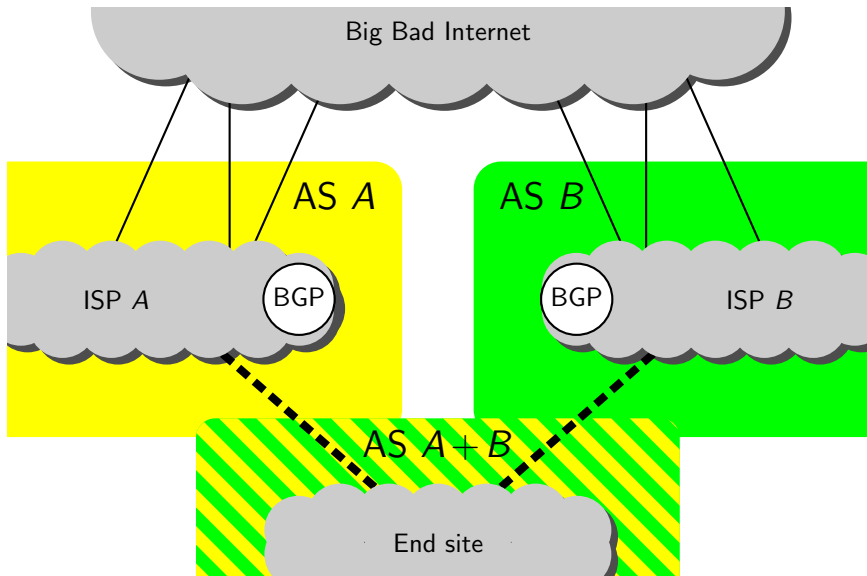
Do we want the end customer to run BGP?
Or should we leave the job to the experts?

But...

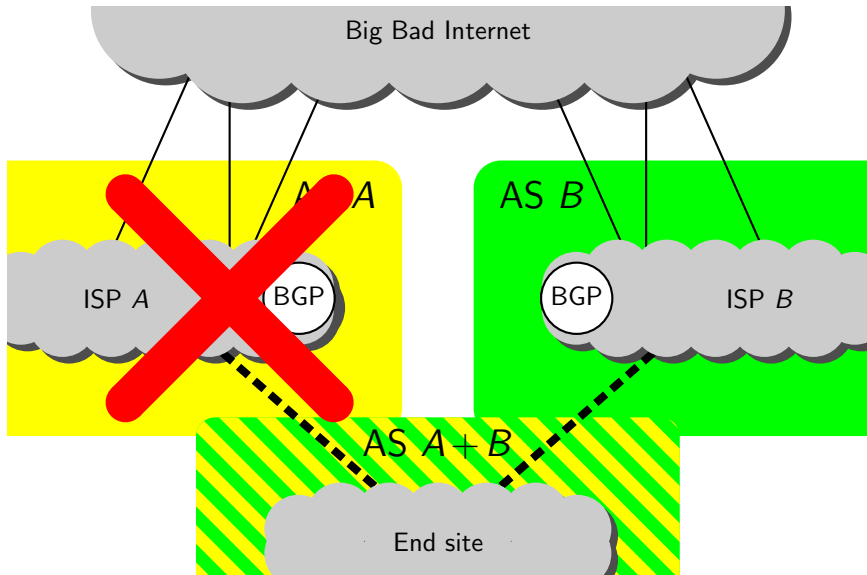
Do we want the end customer to run BGP?
Or should we leave the job to the experts?



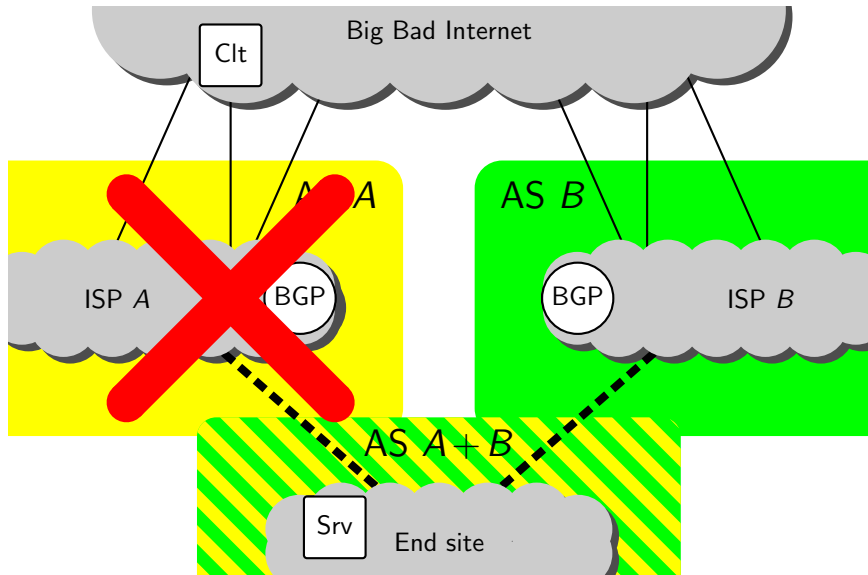
The Simplistic Way



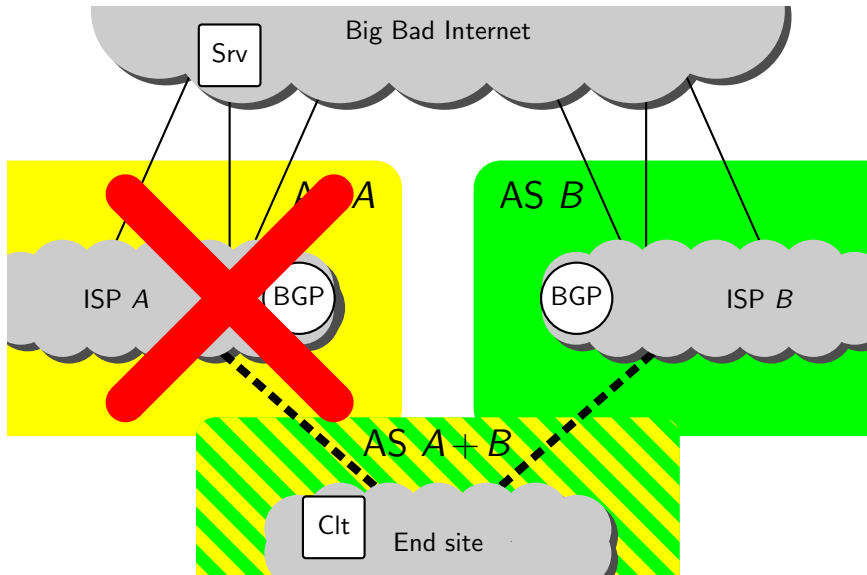
The Simplistic Way: Failure Scenario



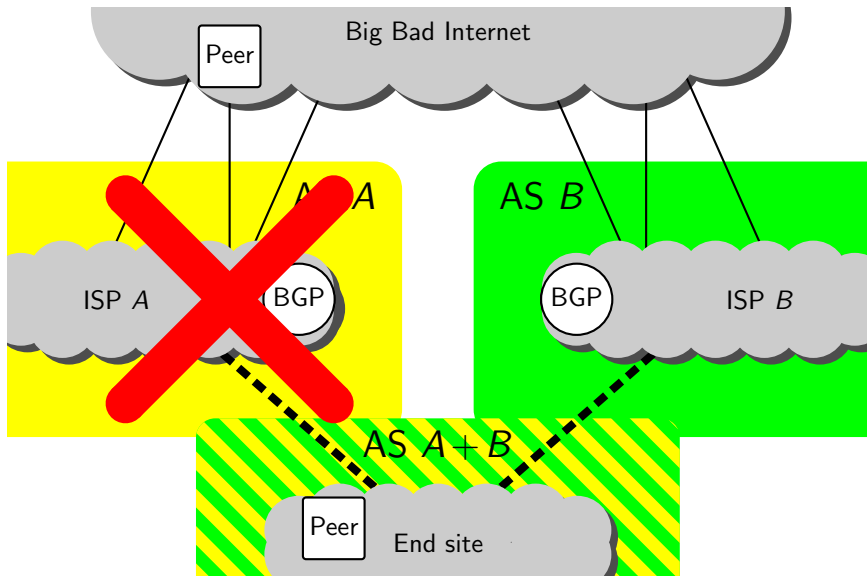
The Simplistic Way: Inbound Connects



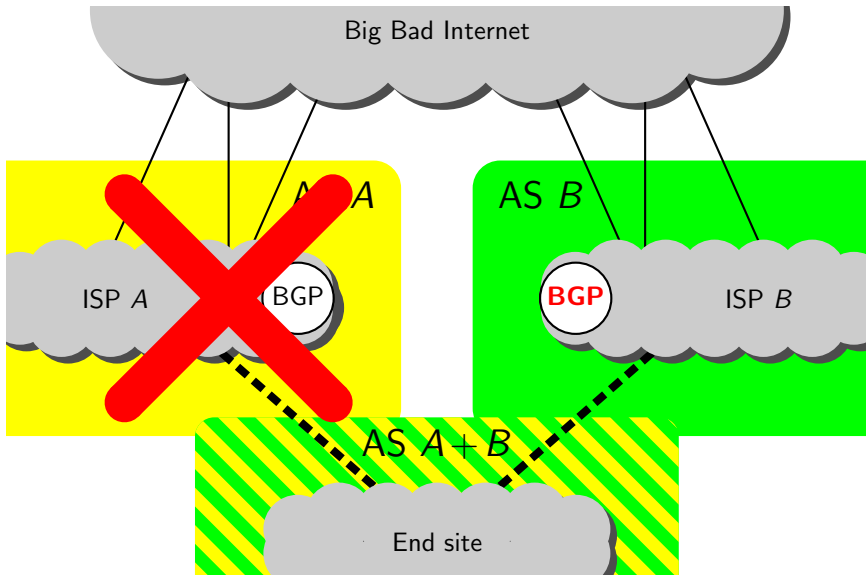
The Simplistic Way: Outbound Connects



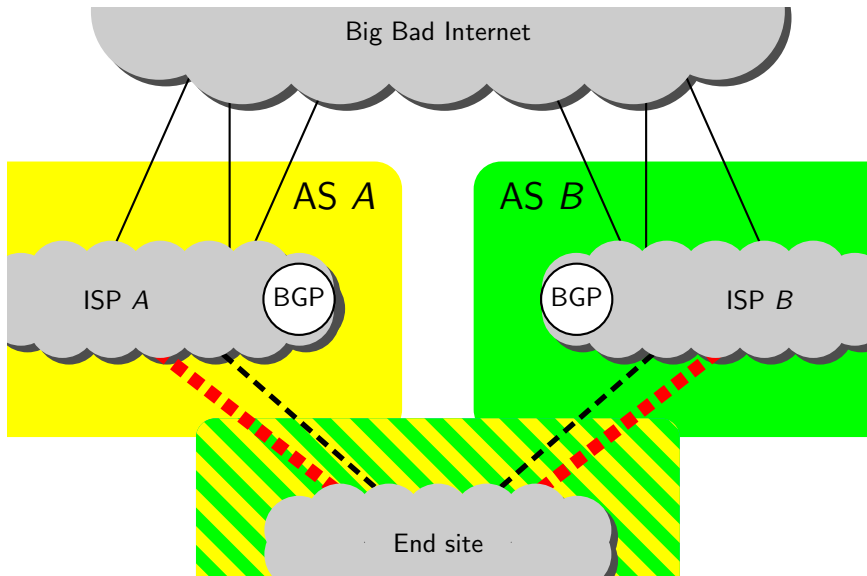
The Simplistic Way: Established Connections



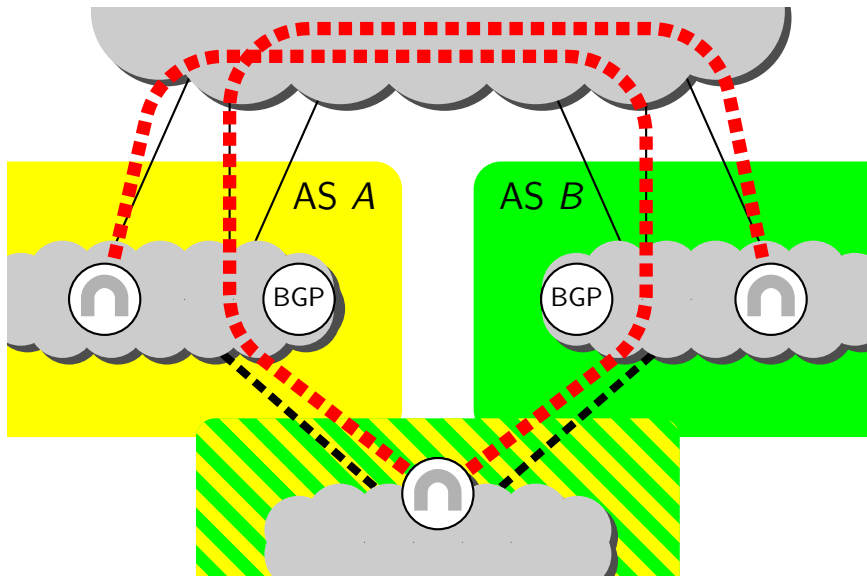
The Painful Way: BGP Re-Routing



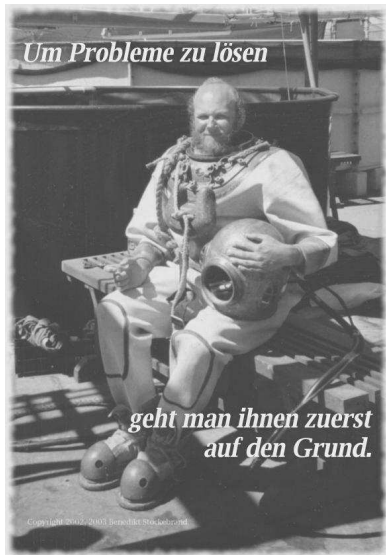
The Expensive Way



The Smart Way



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