



MPLS DiffServ Tunnelling Models

IP PHB - forwarding treatment is based on IP Precedence or DSCP bits (Tunnelled DiffServ Information) in the IP Header.

MPLS PHB - forwarding treatment is based on the EXP bits in the MPLS label

If there is only one label (e.g. in IP-over-MPLS) use explicit null so you do not lose the EXP information through PHP.

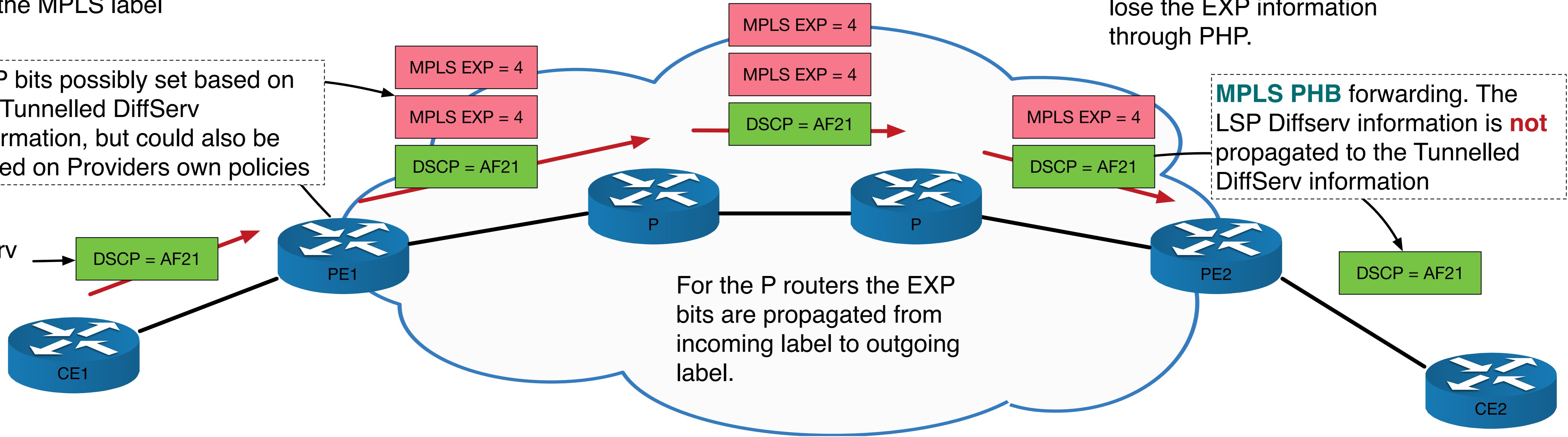
Pipe

EXP bits possibly set based on the Tunnelled DiffServ Information, but could also be based on Providers own policies

MPLS PHB forwarding. The LSP Diffserv information is **not** propagated to the Tunnelled DiffServ information

For the P routers the EXP bits are propagated from incoming label to outgoing label.

Tunnelled DiffServ Information





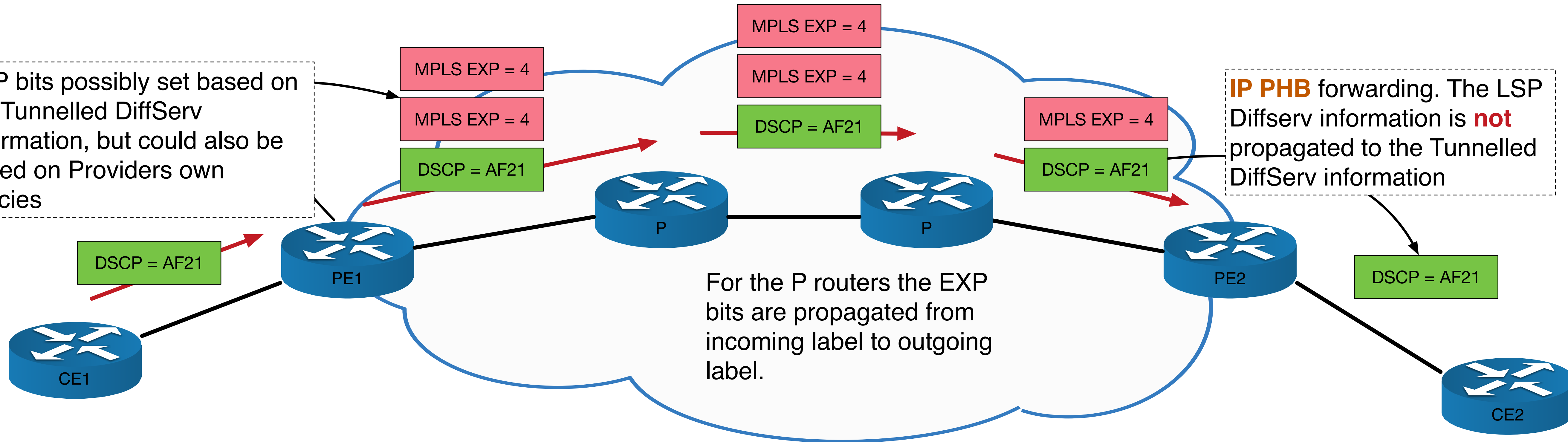
MPLS DiffServ Tunnelling Models

Short Pipe

EXP bits possibly set based on the Tunnelled DiffServ Information, but could also be based on Providers own policies

IP PHB forwarding. The LSP Diffserv information is **not** propagated to the Tunnelled DiffServ information

For the P routers the EXP bits are propagated from incoming label to outgoing label.



MPLS DiffServ Tunnelling Models



Uniform

