

RIPE NCC & BGPlay team investigating on...

YouTube (Prefix) Hijacking

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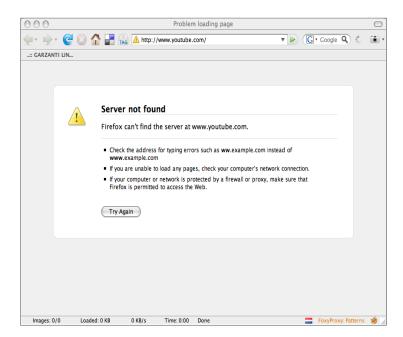
user perspective



YouTube unreachable



24 February 2008, 18:47 (UTC)

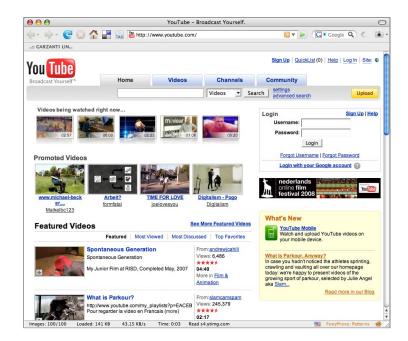




user perspective

Back to normal

24 February 2008, 21:03 (UTC)





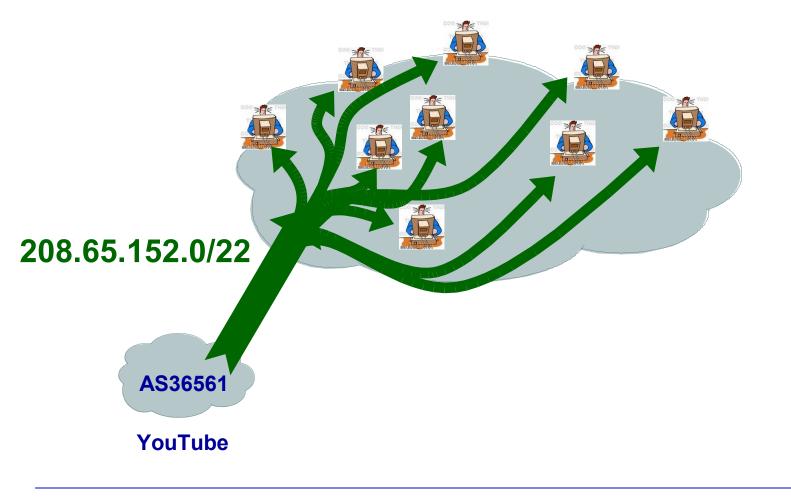


Let's animate the event

BGPlay video

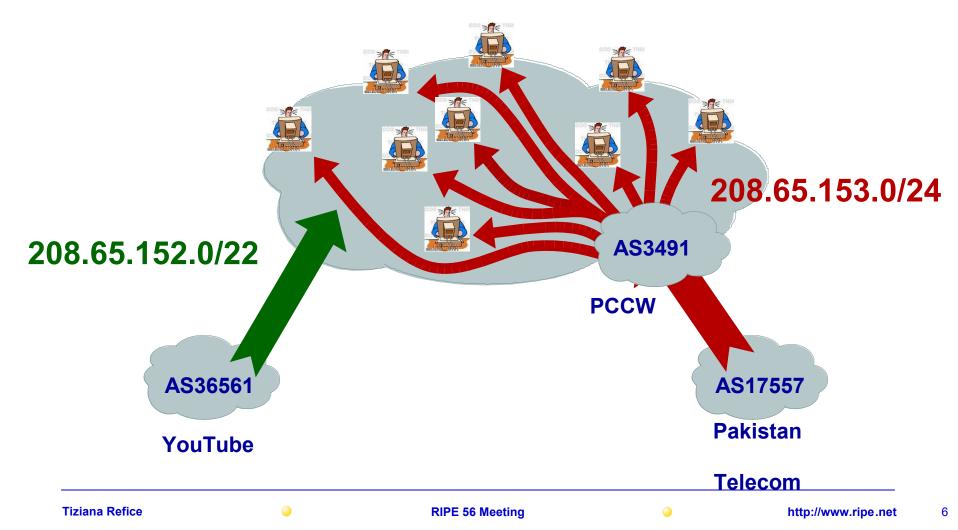


Normal behavior



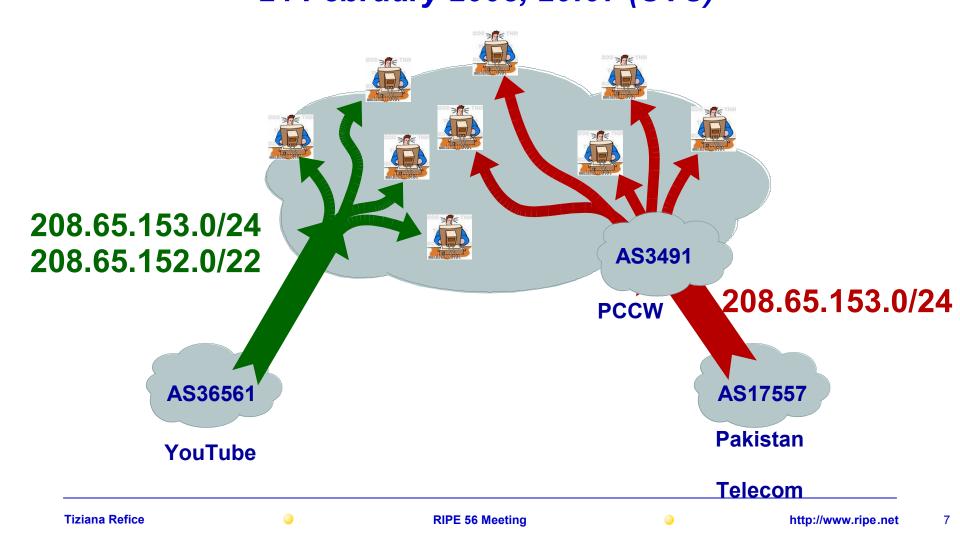


Hijacking starts 24 February 2008, 18:47 (UTC)



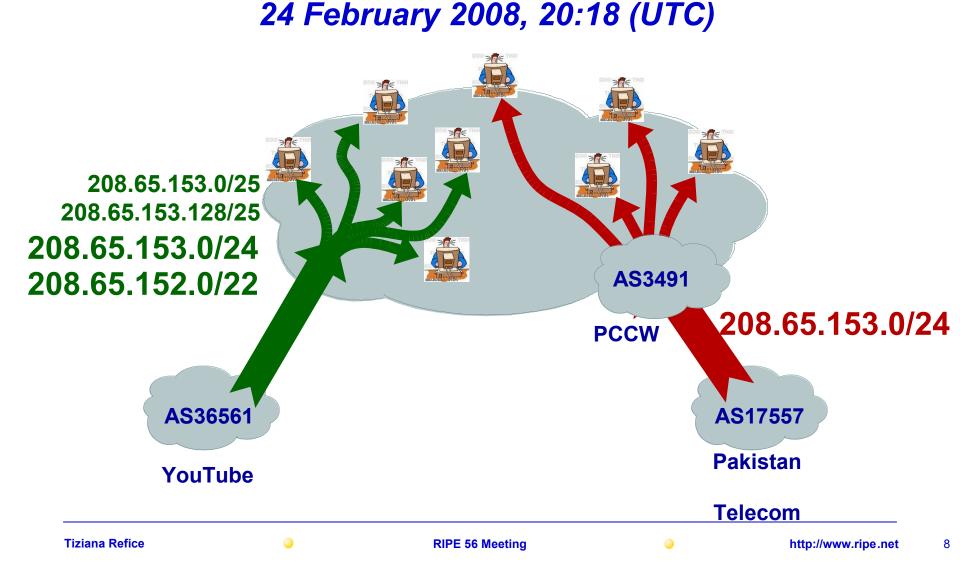


YouTube announces /24 24 February 2008, 20:07 (UTC)



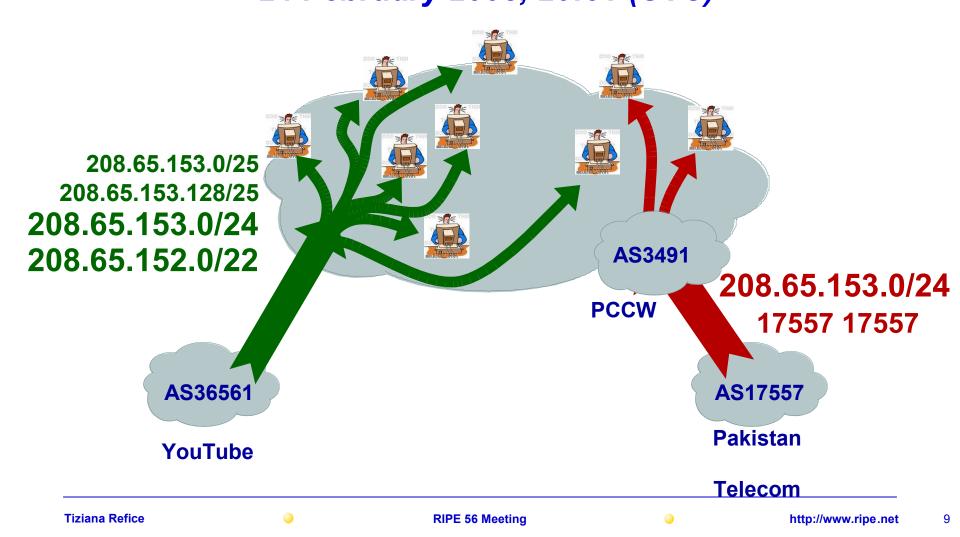


YouTube announces /25s



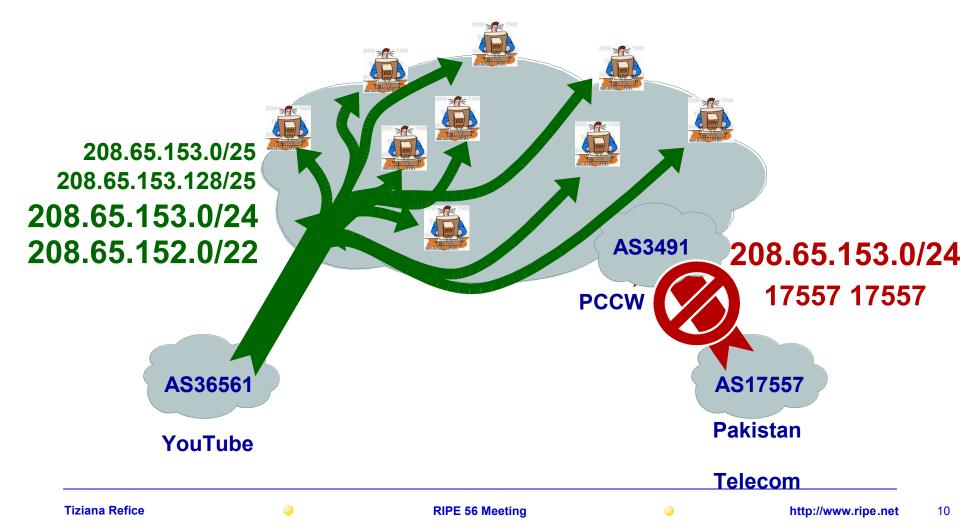


AS17557 prepending 24 February 2008, 20:51 (UTC)



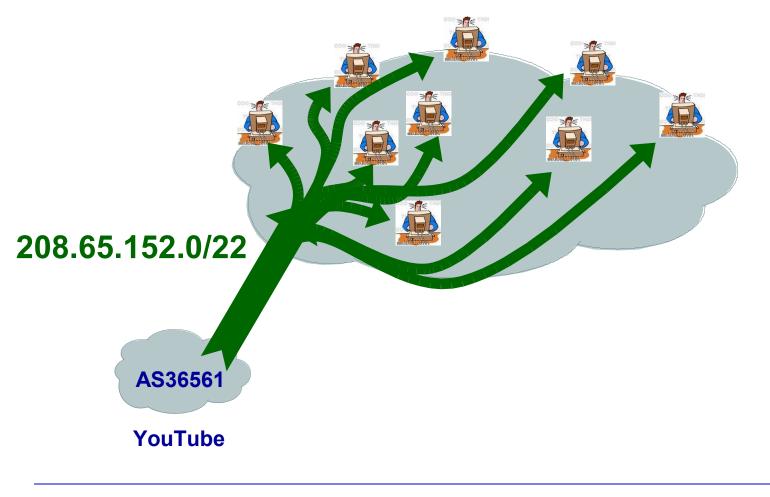


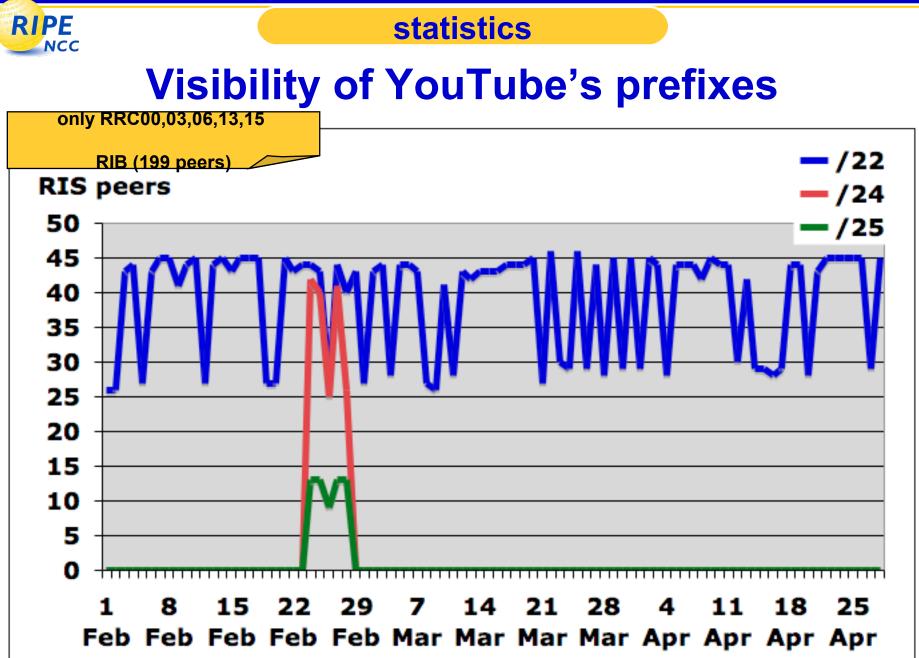
Hijacking stops 24 February 2008, 21:01 (UTC)





Back to normal since 24 February 2008, 21:03 (UTC)







The lesson for customers If it happens to me, what should I do?

- How to *react* the problem
 - Announcing the hijacked route mitigates the problem, but it does not solve it completely
 - If you need to announce a /24, stop announcing it after the hijacking stops
 - Announcing /25 does not help much
 - Collaborate with your upstream provider(s) for quick resolution
- How to *prevent* the problem
 - Nothing yet



The lesson for ISPs

If it happens to me, what should I do?

- How to *react* to the problem
 - ISPs should have procedures in place to help customer(s)
 - ISPs should have procedures in place to to communicate with peer(s) and upstream provide(s)
- How to *prevent* the problem

ROUTE FILTERING

Further analyses follow ...

Please ask your questions afterwards