

ssh

an applicative protocol multiplexer

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Pass-the-salt 2022
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What's the best email client?

```
[No Name] +- GVIM1 | yves@fuggle: ~ | yves@saaz: ~
q:Quit d:Del u:Undel s:Save m:Mail r:Reply g:Group ?:Help
r Sep 24 ( ) ->Re: [club_goseigen] *** Toperm 2006-2007: Changement de management
r Sep 24 ( ) ->Re: *** Toperm 2006-2007: Changement de management
r Sep 25 ( ) ->Re: [club_goseigen] *** Toperm 2006-2007: Changement de management
r Oct 03 ( ) ->
r Oct 04 ( ) ->
r Sep 25 ( ) ->inscription toperm
r Sep 26 ( ) ->
r Sep 30 ( ) ->Re: *** Toperm 2006-2007: Changement de management
r Sep 24 ( ) ->Re: Re: [club_goseigen] *** Toperm 2006-2007: Changement de management]
r Sep 25 ( ) ->
r Sep 25 ( ) ->RE : *** Toperm 2006-2007: Changement de management
r Sep 25 ( ) ->
r Sep 27 ( ) ->Re: [FW: *** Toperm 2006-2007: Changement de management]
r Sep 30 ( ) ->*** Toperm: N'oubliez pas de vous inscrire
r Sep 30 ( ) ->[club_goseigen] *** Toperm: N'oubliez pas de vous inscrire
r Oct 01 ( ) ->RE: [club_goseigen] *** Toperm: N'oubliez pas de vous inscrire
r Oct 01 ( ) ->Re: [club_goseigen] *** Toperm: N'oubliez pas de vous inscrire
r Oct 02 ( ) ->RE: *** Toperm: N'oubliez pas de vous inscrire
r Oct 02 ( ) ->Re: [club_goseigen] *** Toperm: N'oubliez pas de vous inscrire
r Oct 03 ( ) ->RE : [club_goseigen] *** Toperm: N'oubliez pas de vous inscrire
r Oct 03 ( ) ->Re: *** Toperm: N'oubliez pas de vous inscrire
r Oct 04 ( ) ->
r Oct 05 ( ) ->
r T Oct 07 ( ) ->*** Toperm, ronde 1: Les appariements!
r Oct 10 ( ) ->
--*Mutt: ~/Maildir/ [Msgs:1058/31143 New:1 Old:231 Del:2 Flaq:9 Inc:3 3380M]---(threads/date)---(4%)---
[0] 0:mutt* 8:torrent- 9:bash! "Mutt [3/1/231] 07:53 23-Jun-22"
```

... Mutt?

... with ssh!

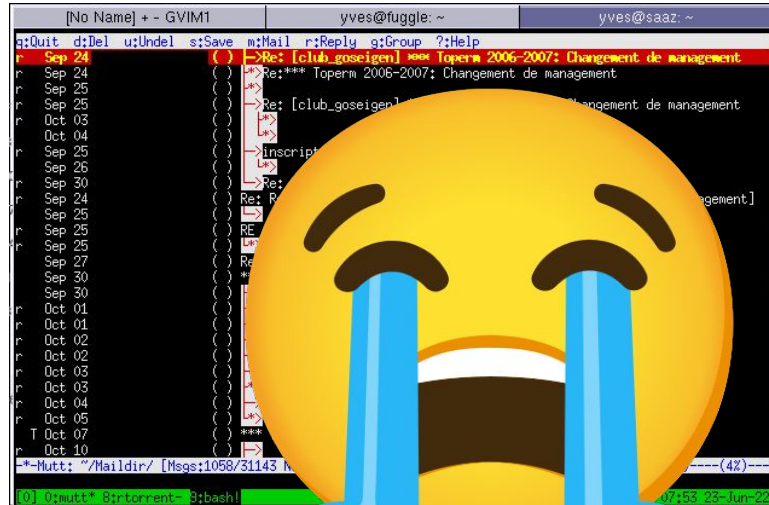
Genesis of *sslh*



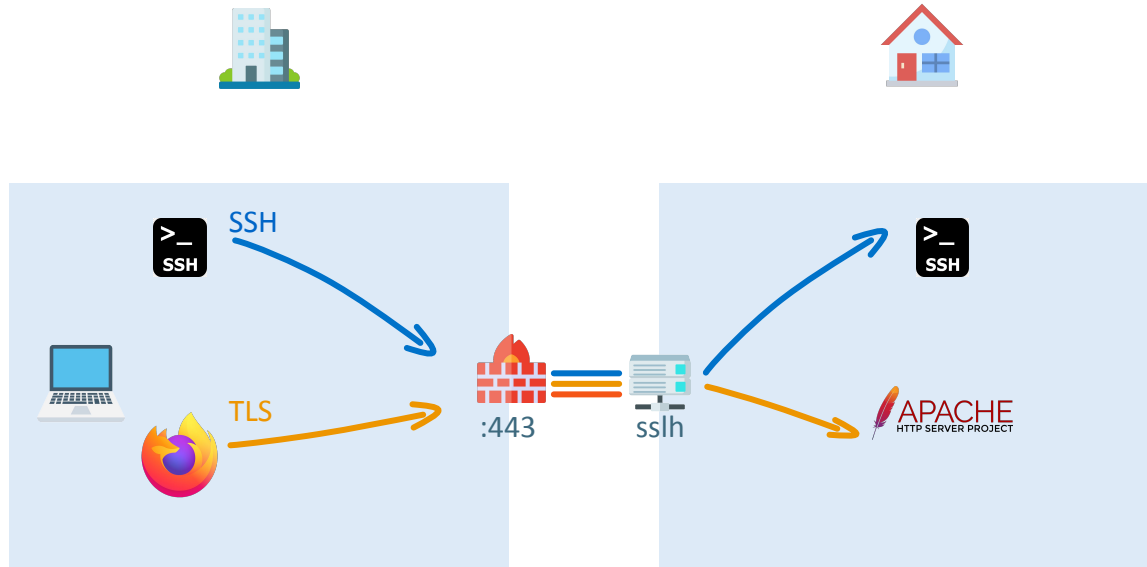
Dream time before security was a thing

Firewalls prevent incoming connections

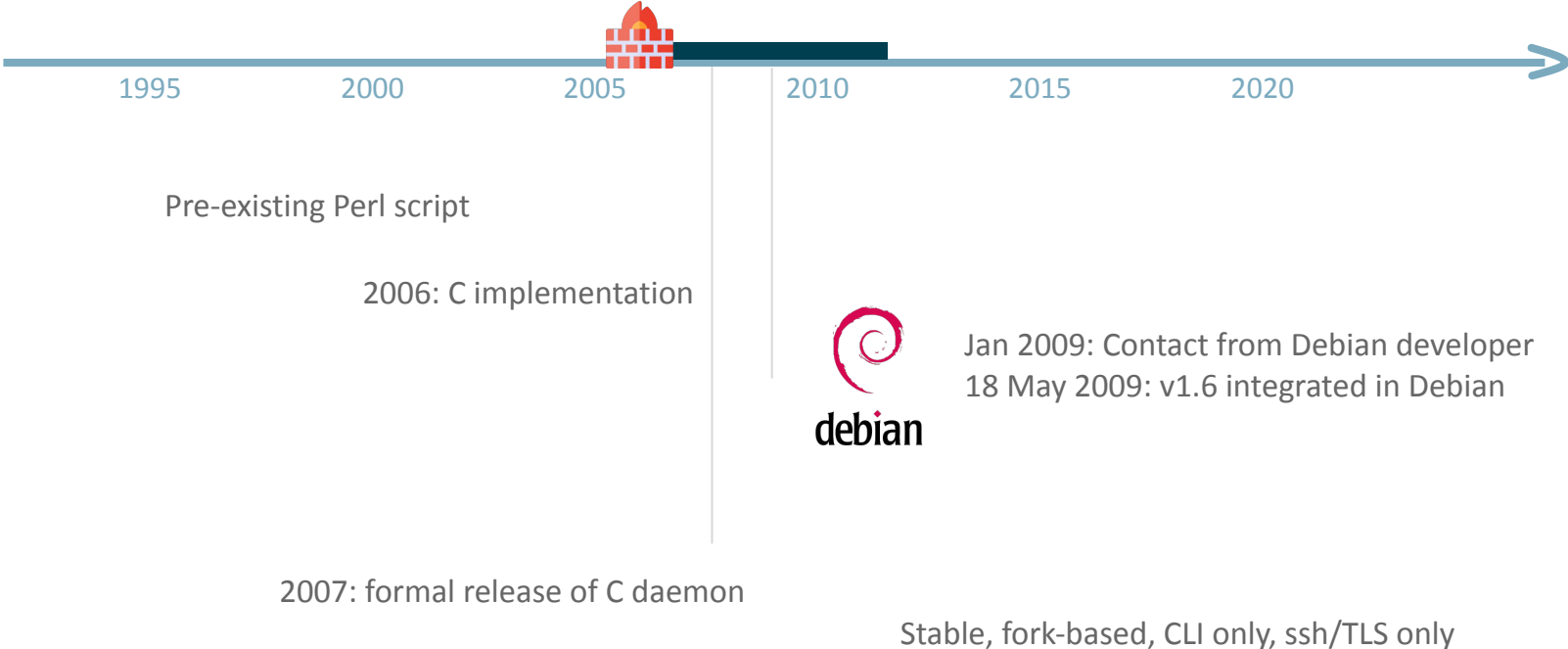
Firewalls start filtering outgoing connections



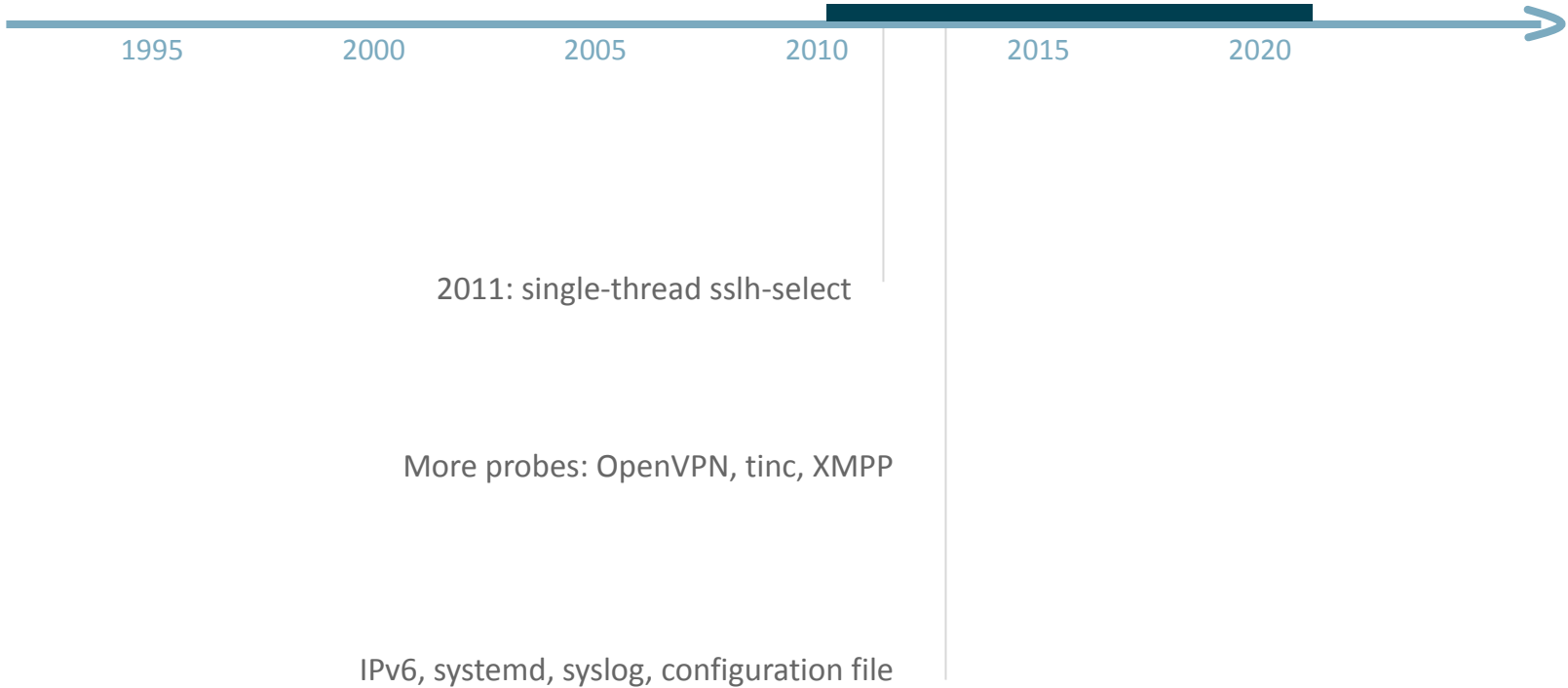
Applicative heuristics: the sslh Perl script



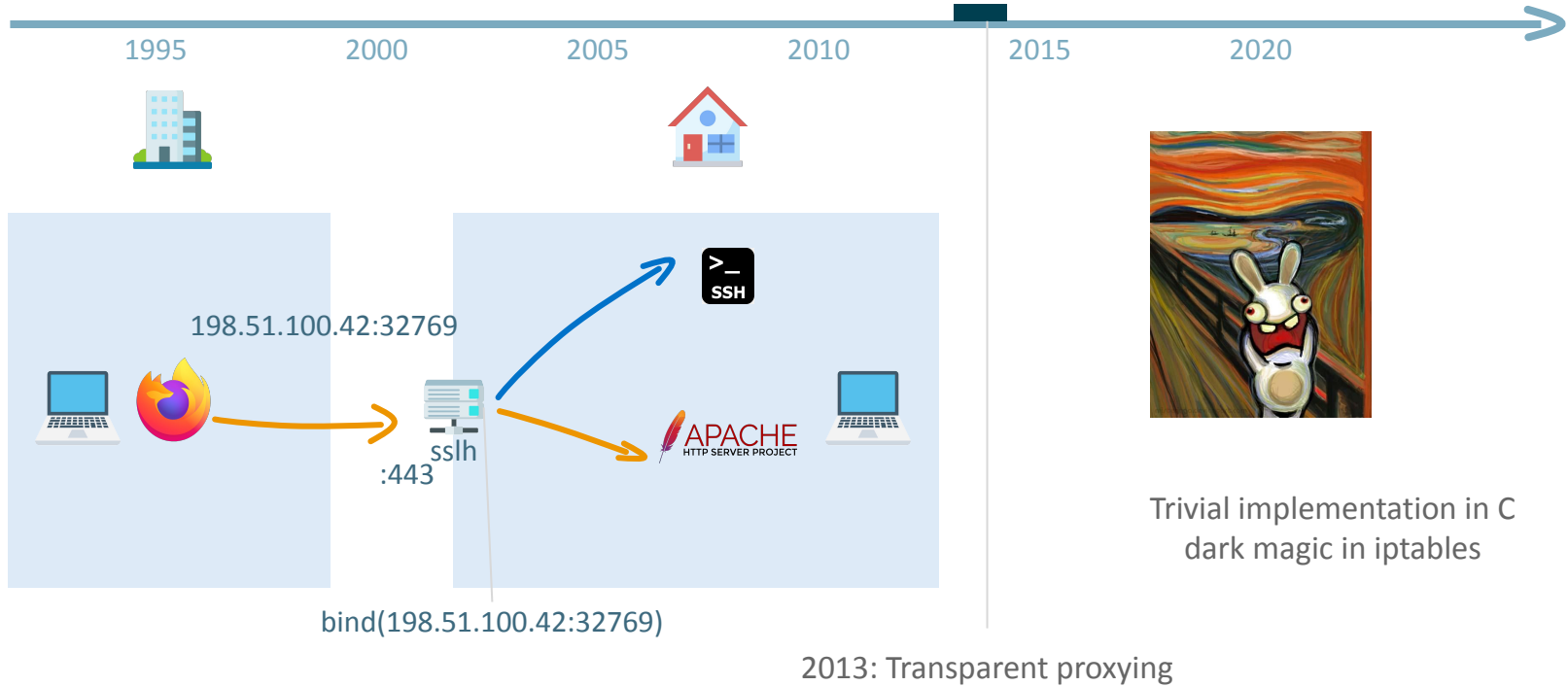
Genesis of *sslh*



Evolution of *sslh*



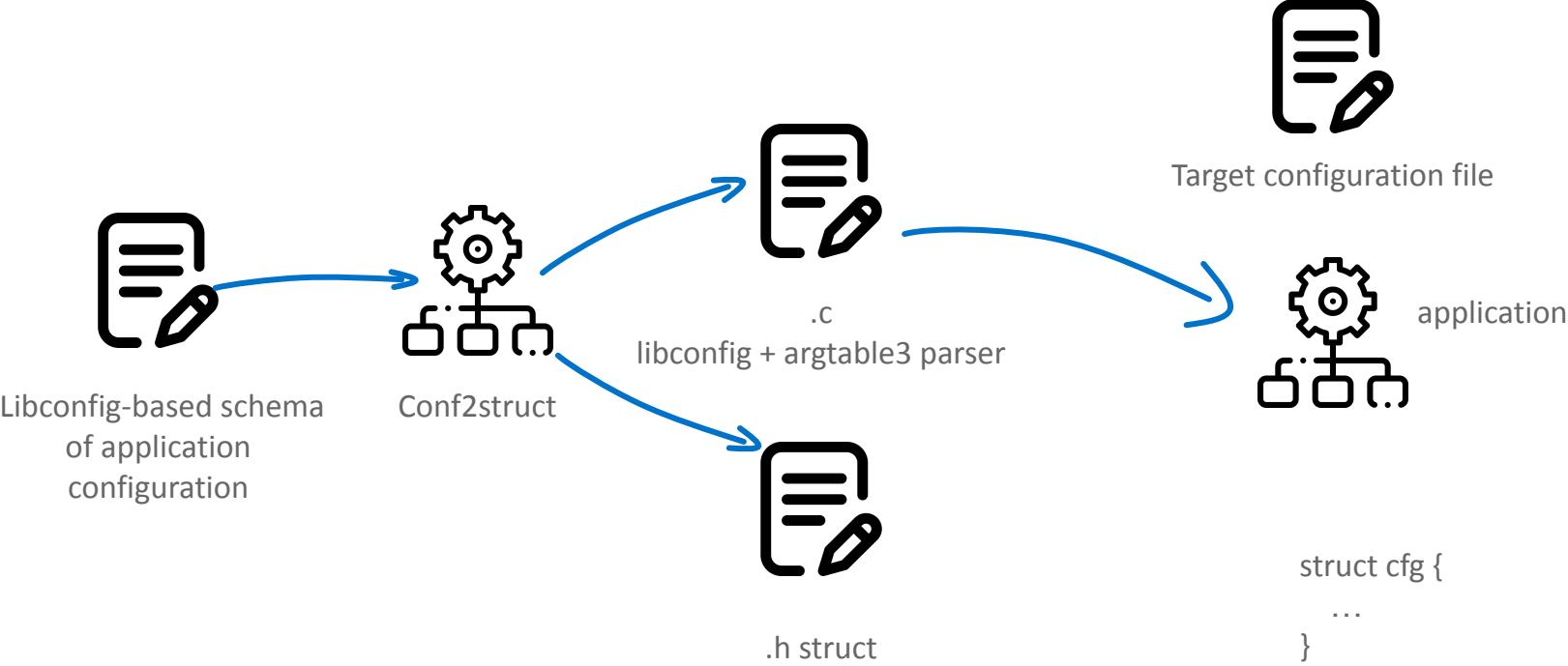
Evolution of *sslh*



Evolution of *sslh*

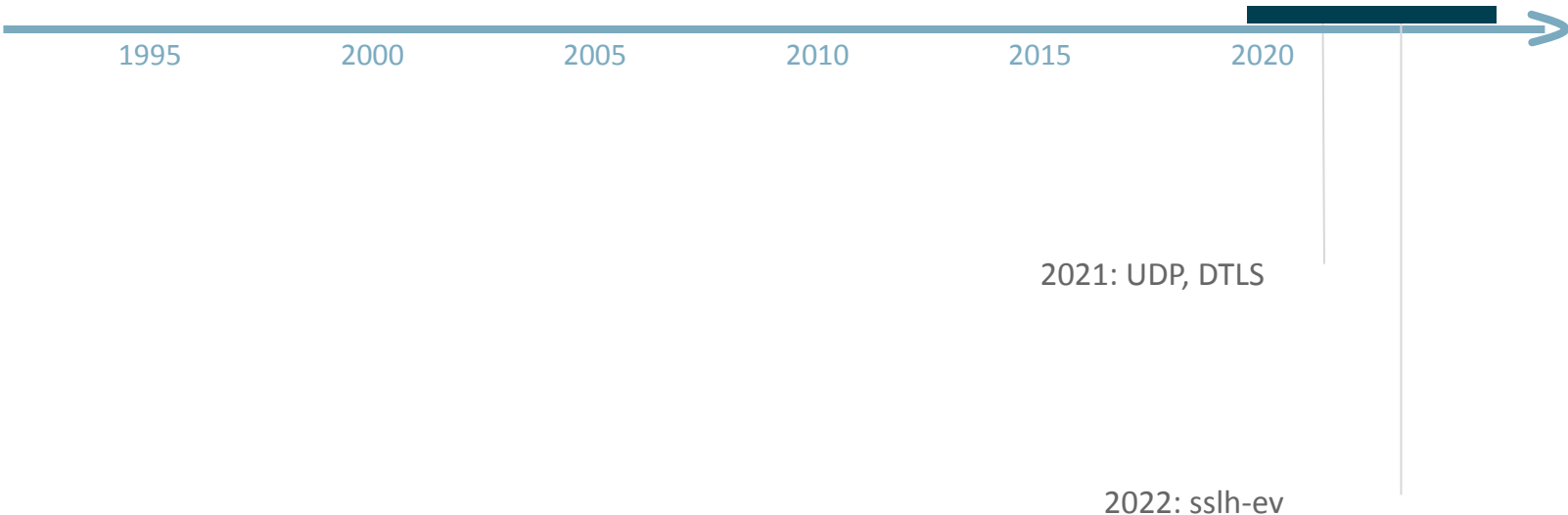


2019: conf2struct: integrated .cfg + CLI

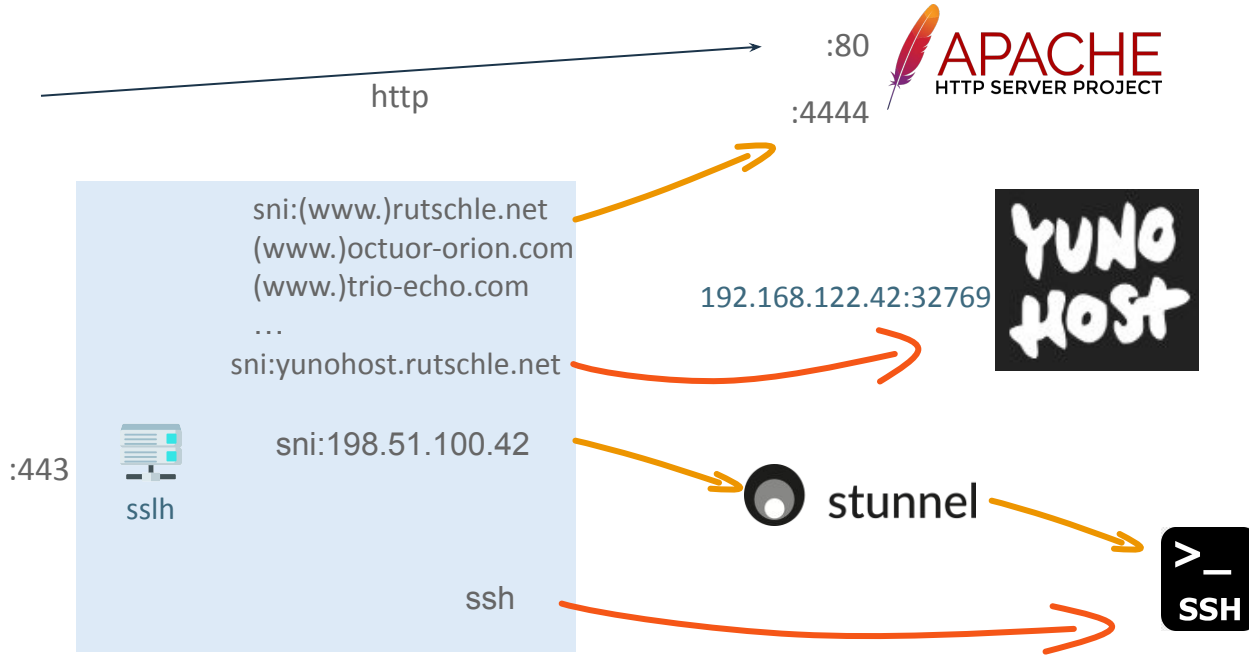


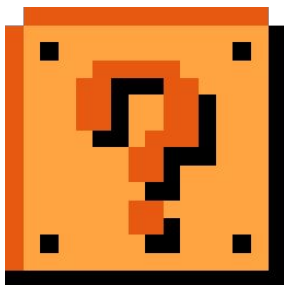
<https://rutschle.net/tech/conf2struct/tutorial.html>

Recent evolutions to v2.0



Real use case





Credits & Thanks

Icons: www.freepik.com, [Smashicons](#)



Logos from their respective Web sites