

Enhanced

vs

Legacy

Controlled
Interruption

Note

- This isn't really a presentation, more of a "helping us all get on the same page"
- My thoughts only, YMMV, etc.

What are we talking about?

Legacy

AKA: What we did "last time"

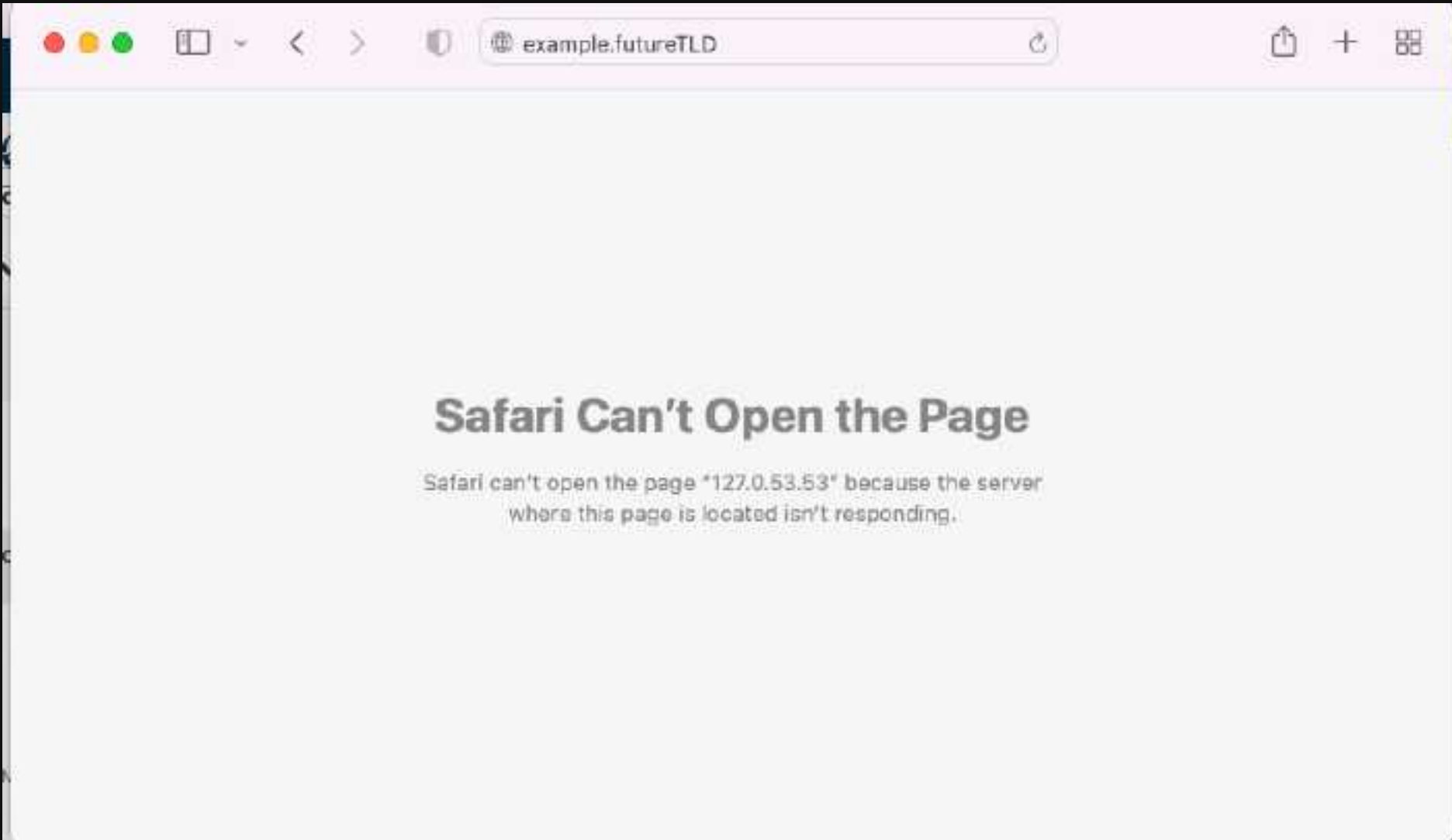
- This returns a "magic" IP address, 127.0.53.53
- Assumes that this will cause breakage, and that the user / admin will see this IP and know what it means
- Means that the user doesn't connect to an outside system
- Collision visibility is limited to the nameservers affected, not the number of users

Enhanced

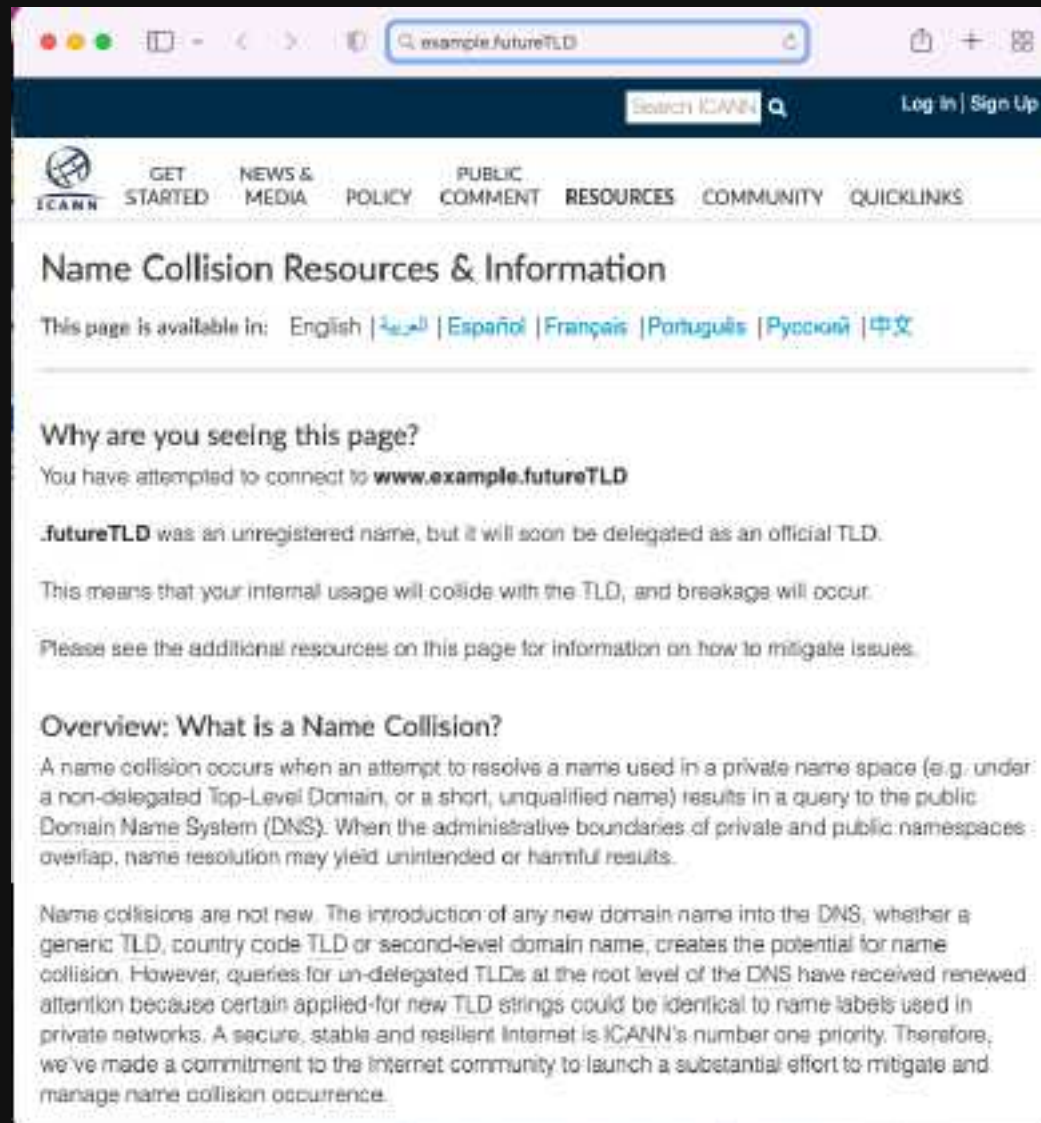
Proposed / comparison

- Returns the address of a "parking page"
- The user is presented with a page (web) explaining the issue, and mitigations
- Causes the user to connect to an outside system
- Collision visibility is the affected nameservers and the actual users

Example Legacy CI Experience



Example Enhanced CI Experience



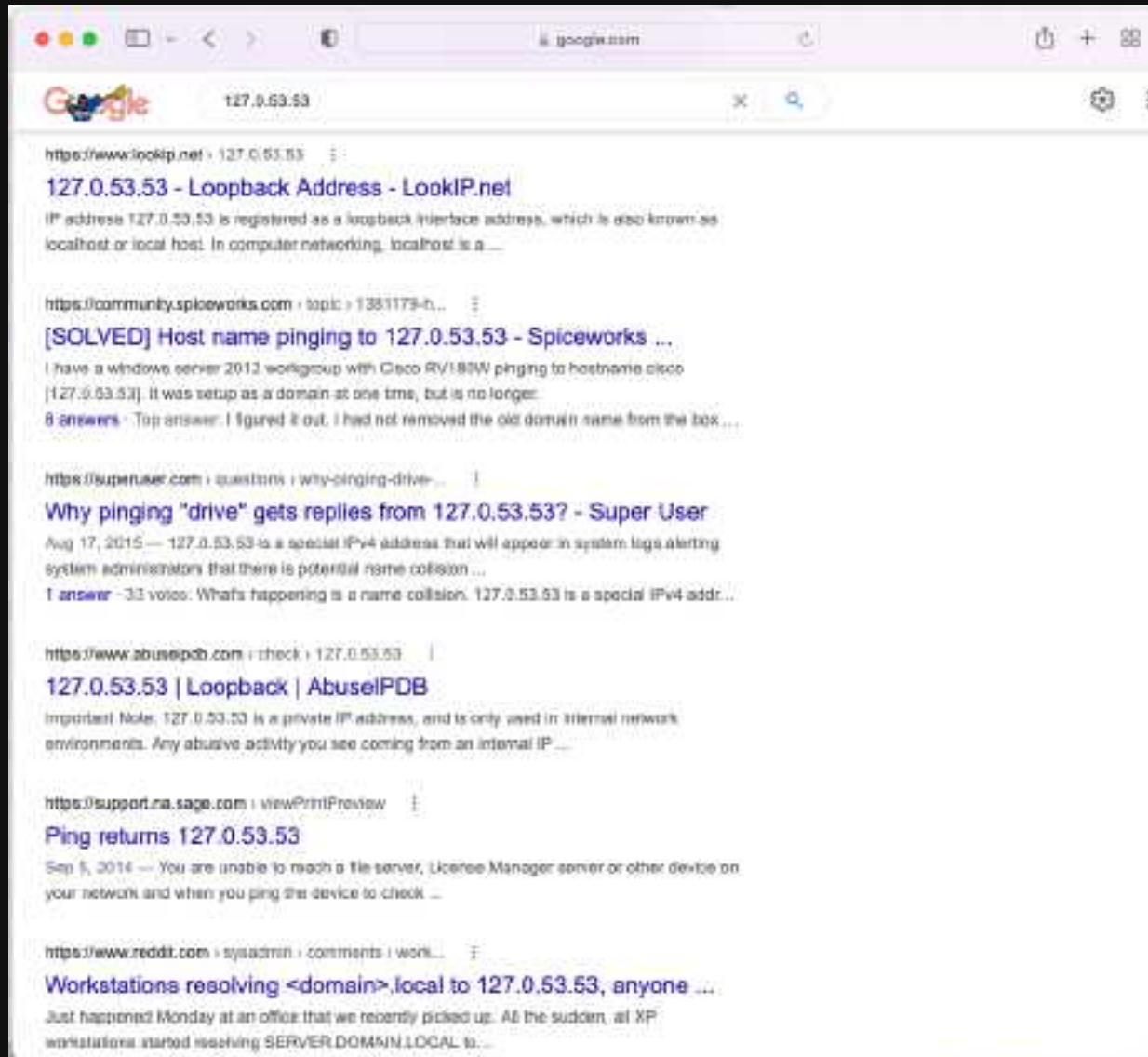
Discussion...

Backup Slides

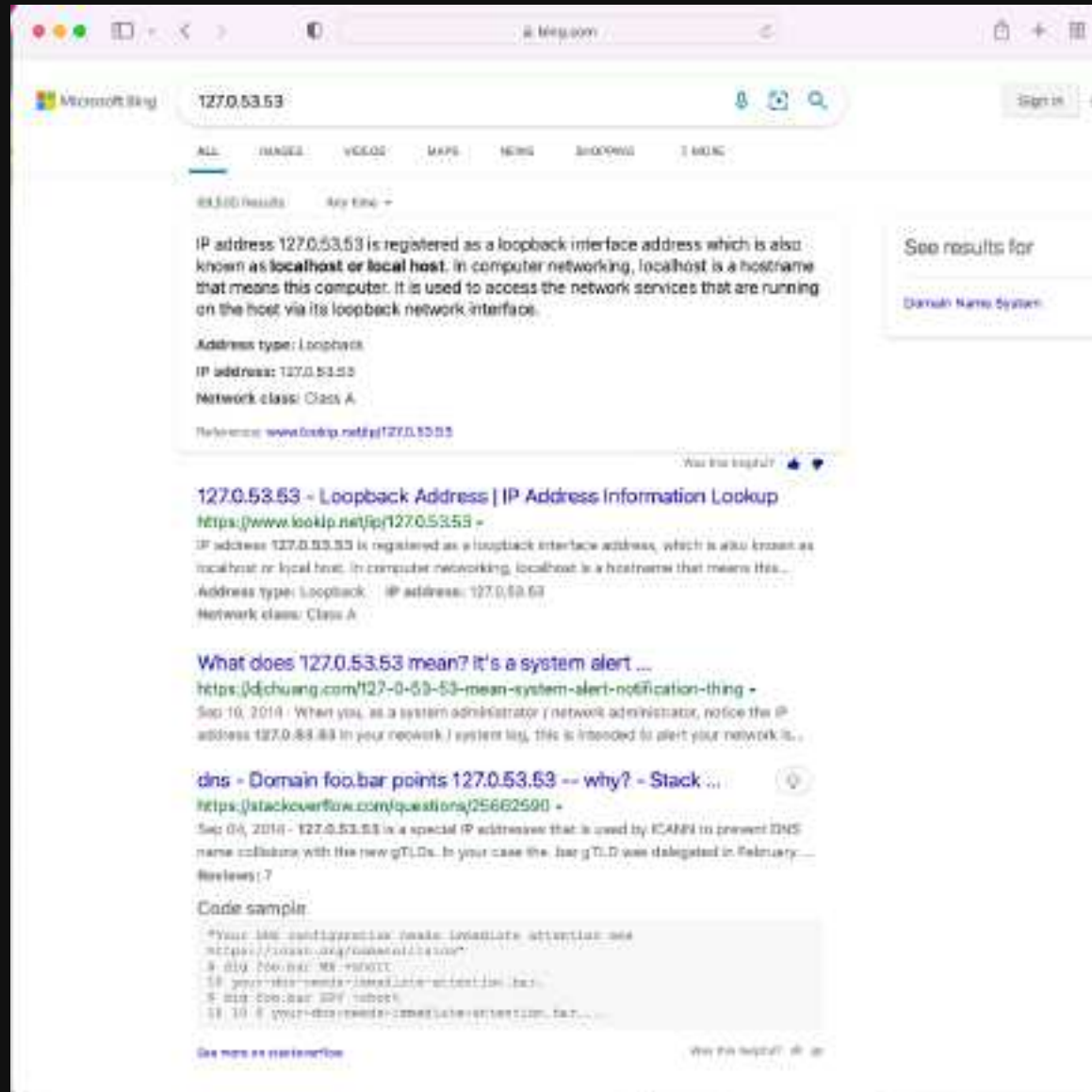
Random notes / FAQ

- This will cause users to connect to a third party!
 - Yes, yes it will. As a user / admin, I'd much rather connect to a notification page controlled by ICANN than a malicious page.
 - Additionally, this will show up in FW logs, helping identify the issue.
- Fool! You assuming that assuming everything is the web! Hah!
 - Maybe. When e.g a mail client connection breaks, it's very common to at least try it in a web browser.
- Double fool! You forgot HTTPS! <Howls of derisive laughter>
 - Yes, this will give ERR_CERT_COMMON_NAME_INVALID errors. Sadly users ignore those; perpetuating this is obviously bad, perhaps just no port 443
- You also forgot <insert application here>
 - Maybe. Depends on the system, etc.

Legacy Notification Experience



Legacy Notification Experience



Legacy Notification Experience

