



# Prohibiting Redirection & Synthesized DNS Responses

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# Redirection of DNS Responses

- **Issue**

- Wildcarding of DNS records
- Provides “valid” address and routing even when domain names do not exist

- **Consequences**

- Breaks core DNS systems & legacy applications
- Erodes trust relationships
- Creates new opportunities for malicious attacks, without ability of affected parties to mitigate problem

*Reference Document: [SAC041](#)*

# What breaks?

- Most basic Internet tools and applications break
  - Emails won't bounce anymore
  - Search engines won't be able to function as normal
  - Link checkers won't find any broken links anymore
- And other software, applications, and equipment that depends upon the DNS “working” will break

## SSAC Advice:

**Clear & Significant danger to  
security & stability of the DNS**

# Redirection: Board Recommendations

**Take all available steps with appropriate entities to prohibit such use**

**Prohibit redirection/synthesis for all TLDs (gTLD & ccTLD, including IDN TLDs)**

- Revise new gTLD Guidebook
- Consult with ccTLD community/GAC for new ccTLDs
- Revise existing gTLD agreements
- Add appropriate guidelines to existing ccTLD arrangements

*Reference Document: [SAC041](#)*

# Questions?

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Reference document SAC041 can be found at  
<http://www.icann.org/committees/security/sac041.pdf>