

NCAP DG 12/7/2022

Board Questions 7 & 8

Board Question 7

(7) suggested criteria for determining whether an undelegated string should be considered a string that manifest name collisions, (i.e.) placed in the category of a Collision String

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Question clarifications

- Assumes the Board is asking for a method of identifying a string, due to the high risk of name collisions associated with that string and the potential for harm, that particular string should not be delegated and should be reserved.
- Is “collision string” a binary “yes” or “no” determination?
- “These could be collision strings but here are mitigation strategies that may apply.”
- Is this about identifying the strings that would undergo CI vs. APD?

Potential replies/answers

- most obviously queries in the root server are a consideration
- What data can help provide insights? Root, PCA/ACA, Recursive Resolvers, etc. Findings from Perspective Study.
- Evaluation (quantitative and qualitative) of CDMs
- What are appropriate “thresholds”?

Board Question 8

(8) suggested criteria for determining whether a Collision String should not be delegated, and suggested criteria for determining how remove an undelegated string from the list of Collision Strings

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Question clarifications

- the question has an inherent assumption the string was applied for
- is there data that is needed? what is it?
- what is the gaming risk?
- frequency of re-evaluation of collision string list?
- closely related to question (7); together they are "threshold questions"

Potential replies/answers

- Topic 29 on Name Collisions from the SubPro Final Report
 - “DO NOT APPLY” list that is recommended as Implementation Guidance
 - talks about making **all** applied-for strings being subject to “a DNS Stability evaluation to determine whether they represent a name collision risk”
- Other?