DOA Risk Analysis

A subjective view

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ICANN60
01 November 2017
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Governance

- **Observation:**
  - The DONA Foundation is concentrating governance powers in a non-transparent way.

- **Risk:**
  - Single point of failure with unclear recovery mechanisms.

- **Consequence:**
  - Failure of the Foundation would result in uncertainties around the survival of the technology.

- **Likelihood:**
  - Medium. The DONA Foundation is still young and its viability remains to be proven.

- **Severity:**
  - High
Protocol Documentation

- **Observation:**
  - There is no publicly available documentation of the current protocols.

- **Risk:**
  - Difficult to write a new independent, interoperable implementation.

- **Consequence:**
  - No authoritative specification, resulting in a dependence on implementation choices.

- **Likelihood:**
  - Certainty. Single source for code.

- **Severity:**
  - High
Single Source of Code

- **Observation:**
  - CNRI is the single publicly known source of code.

- **Risk:**
  - Code would not continue to be maintained.

- **Consequence:**
  - Lack of code maintenance could result in unmitigated security issues and obsolescence of the code base over time.

- **Likelihood:**
  - Low. Should CNRI fail, if DOA sees wide deployment, it is likely the code would be picked up by other entities

- **Severity:**
  - High
Proxy Confidentiality Concerns

- **Observation:**
  - Lack of deployed clients forces the reliance on proxies that create confidentiality concerns.

- **Risk:**
  - User privacy may be violated.

- **Consequence:**
  - Use of DOA may result in exposure of user activity and data.

- **Likelihood:**
  - Very high. The lack of deployed clients forces the reliance on proxies. Users must depend on the security of the proxy operator.

- **Severity:**
  - High
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