

# MIF Service Discovery Problem Statement

[draft-cao-mif-srv-dis-ps-02](#)

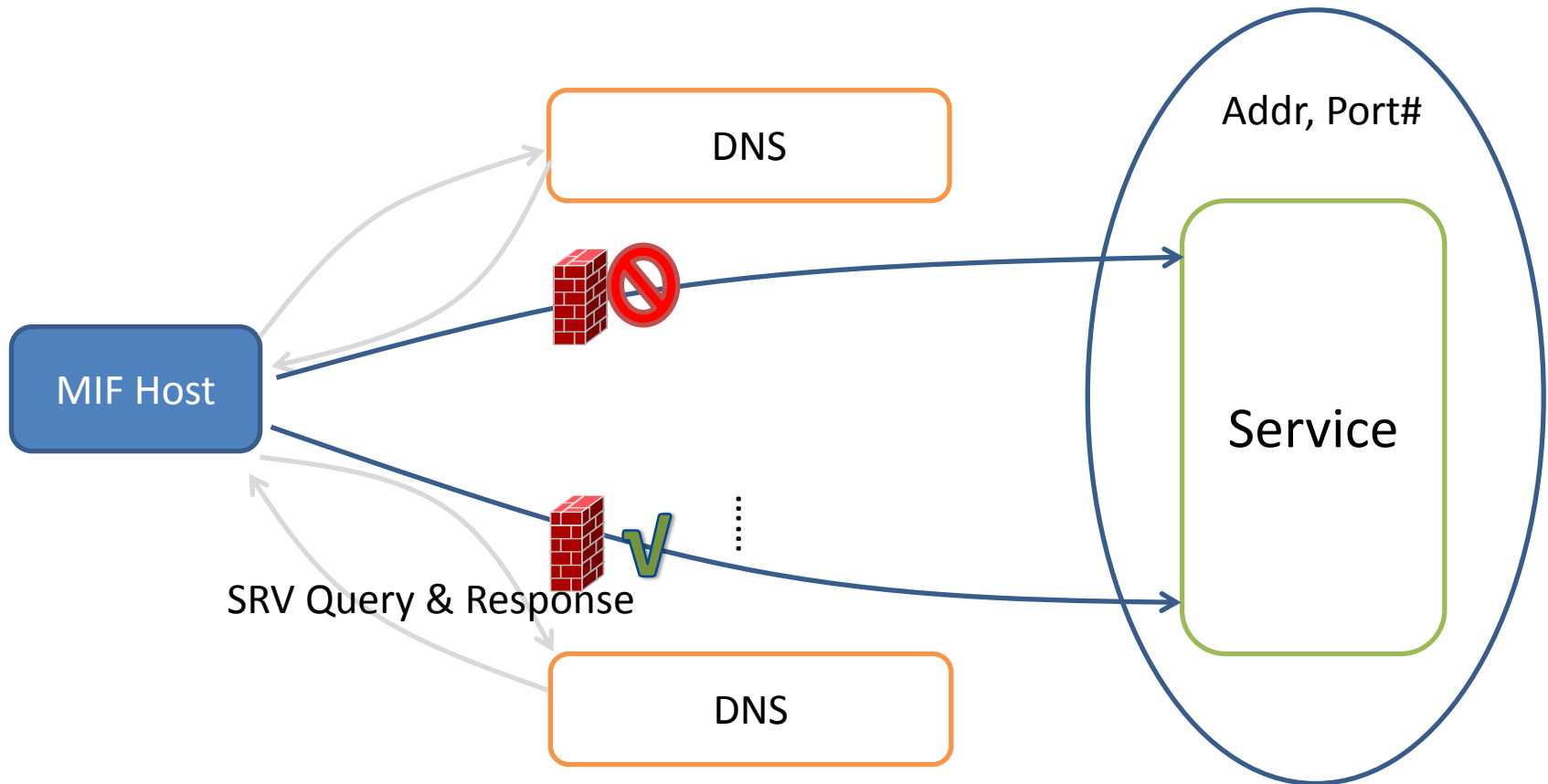
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# Matter of Fact

- **Ideal:** Given a type of service a multiple-interfaced client is looking for, the service discovery progress ought to return a correct pointer to the service instance that the client is able to access without trying every available channel. (Exhaustive testing works but may be inefficient for constrained hosts.)
- **Real Life:** not always true
- **Reason:** “protocols and services become complex day-by-day, but users don't. We can memorize many IP address, domain names, or URLs to select/specify communication endpoint. But we cannot expect our home customers to do so” – apps-discussion list

# Illustrative Example



*MIF-DNS solution [RFC6731] informs the host which interface the query should be sent to, nothing else.*

# Thank you for attention

- FEEDBACK ?