MIF Service Discovery Problem Statement
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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
MIF-DNS solution [RFC6731] informs the host which interface the query should be sent to, nothing else.
Thank you for attention

• FEEDBACK ?