

OPES Callout Protocol Scope Clarifications

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Can OPES Redirect Application Messages ?

- Can OPES change the final destination of an application message?
- **If yes**
 - What OPES agents can do that (dispatcher and/or callout server)?
 - What techniques are allowed (e.g., rewriting application message headers, responding with a "redirect" response if supported by the application protocol)?
- **If NO**
 - Can generating a response without forwarding the request be considered a form of redirection?
 - Is that kind of transaction termination allowed for application error messages only?

Scope Clarification Issues

- **Can OPES fan out messages**
 - **A single application message is forwarded as multiple messages**
- **Can OPES aggregate messages**
 - **Multiple application messages are forwarded as a single application message**
- **Can OPES provide protocol translation service?**
 - **Can OPES switch flow from one application protocol to another**
 - **Such as HTTP transaction with FTP URL to an FTP transaction?**

OPES Agents Communication

- **Can OPES agents communicate with data provider and/or data consumer applications using application protocols?**
 - **For example, can an OPES-aware proxy do this:**
 - **Suspend an HTTP request (do not forward it)**
 - **Respond with a OPES-generated HTML page containing a <form>, asking for user password/preferences**
 - **Receive the result of form submission**
 - **Forward the original HTTP request, possibly adjusted based on user answers in the form**
 - **Forward the response back to the client**

OPES Scope

- **What can be modified by OPES**
 - **Message content and affected headers**
 - **Transport-level connections**
 - **Destination and/or source**
 - **Number of messages**
- **Protocol Itself**
- **Need to draw the line between OPES agents and data providers/consumers applications to determine the kind of communication are allowed**

Tracing Facility

- **What is addressable?**
- **What is traceable?**
- **Can tracing information be aggregated and/or modified?**
 - **Does it need to be signed?**
- **Do we need information about authentication?**
- **Can the end-point affect the extent of tracing?**
 - **Just trace the output of the second callout server**
- **What is the default behavior?**

Q&A

Notification

- Under what conditions notification will happen
- Do we need to specify if it goes back to either OPES or Data Provider Application
 - Can OPES relay back the notification
 - Aggregate or individual
- Manual or protocol dependent
 - Such as a Notify form or link