

# Non-Authorization Use Cases

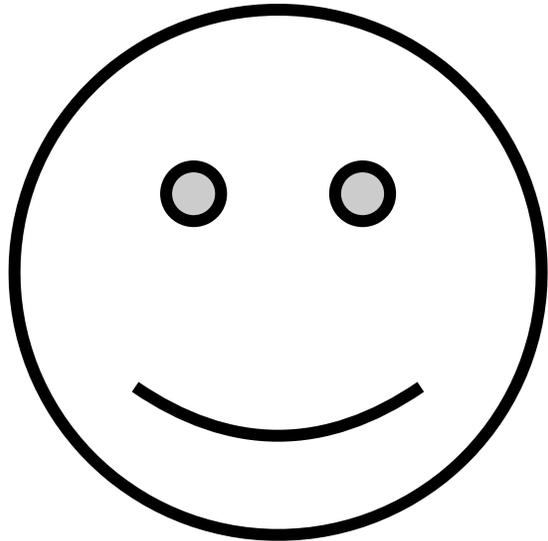
Transactional Authorization BOF

IETF 106, Singapore – November, 2019

Annabelle Backman, Amazon

Alexa, buy  
this book.

Sorry, I was unable  
to complete this  
purchase.



- Credit card expired.
- Insufficient balance.



Amazon  
Dash, I'm  
out of ink.

Sorry, unable to  
order more ink.



- Product not configured.
- Product no longer available.

AWS Simple  
Email Service,  
send this  
email.

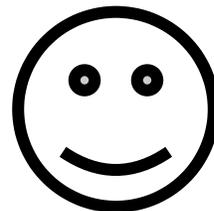
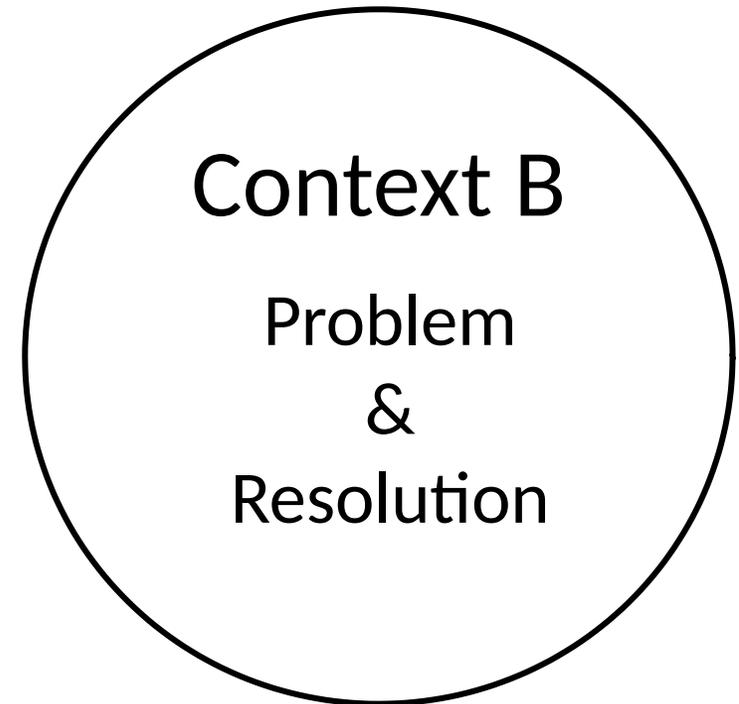
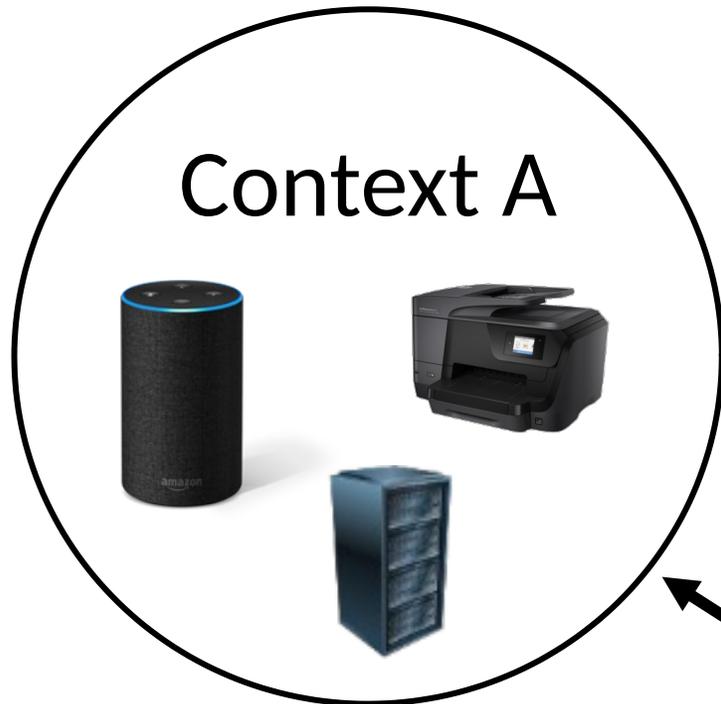


HTTP/1.1 400 ...

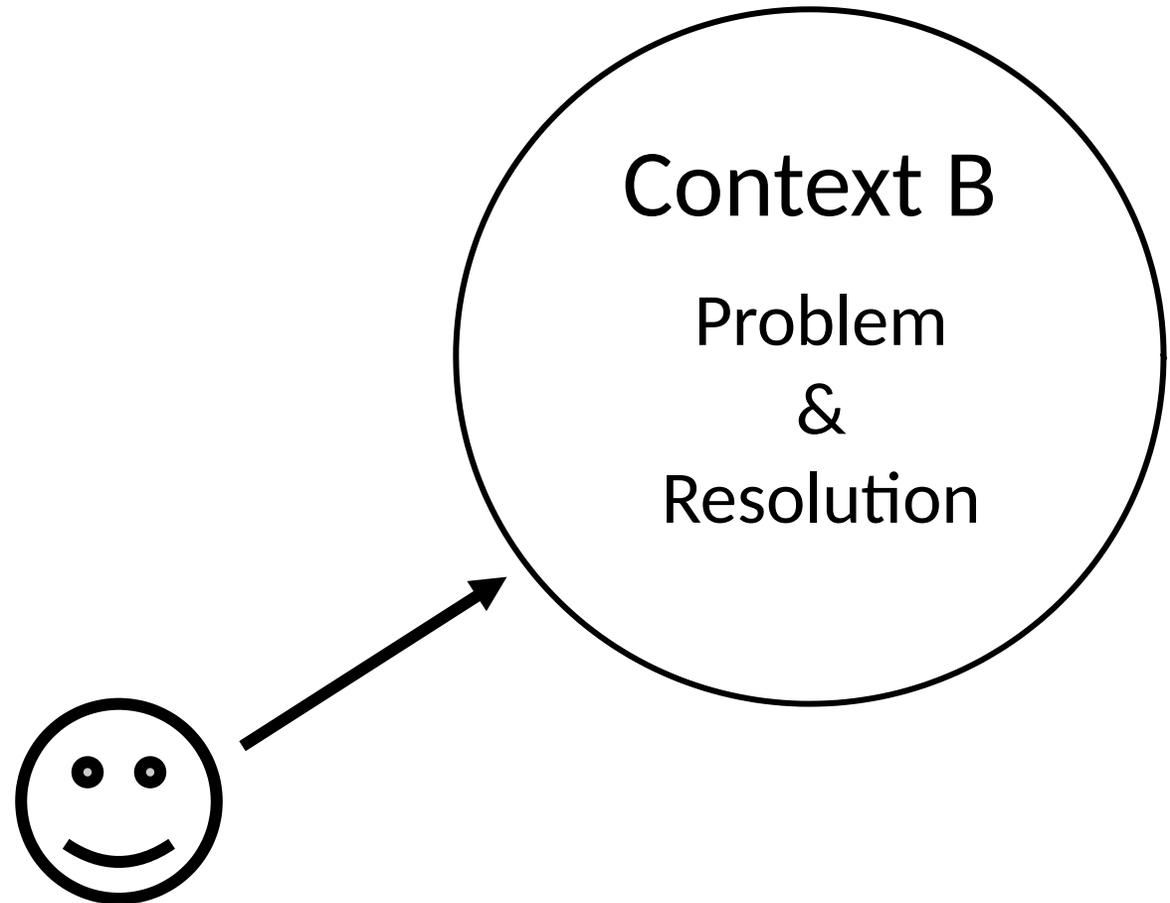
- Domain not verified.
- Sending is paused.
- Quota exceeded.



# The Connection:



# The Connection:



# Problem Summary

How do we direct the end user to another context (and back again), in the middle of an arbitrary process?

# Challenges

- Three or four channels involved:
  - End user to source context (e.g., Alexa VUI)
  - Source context to problem context (e.g., service calls to AWS SES)
  - End user notification channel (e.g., end user's email)
  - End user to resolution context (e.g., Amazon website)
- Source context may or may not be interactive
  - Interactive: User attempting to make a purchase.
  - Non-interactive: Printer detecting it is running low on ink.