



# Patient Identity Merge

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*IT Infrastructure*

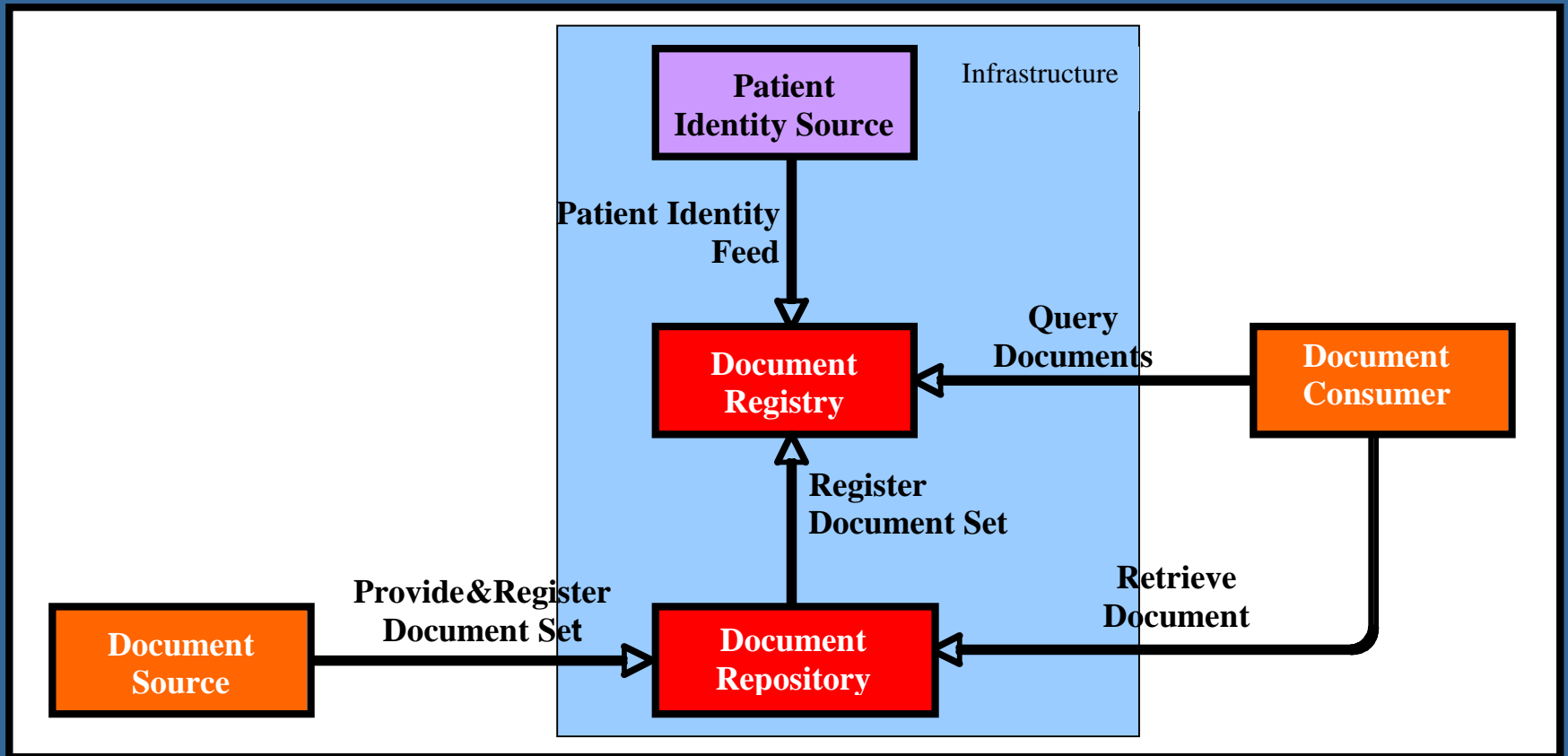
*National Institute of Standards and Technology*



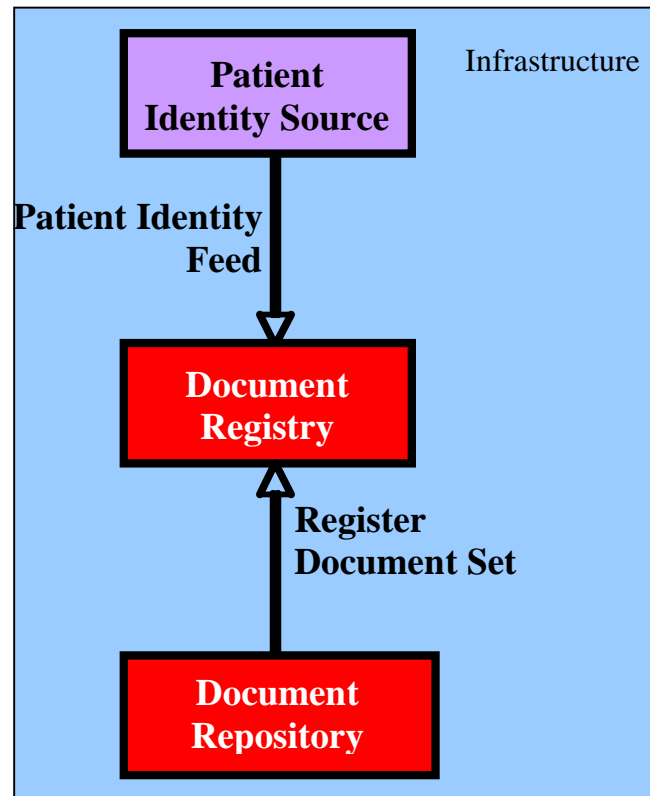
# The Problem

- **XDS already accepts Patient Identity Feed**
- **Specification is incomplete**
- **This Supplement adds instructions for handling of Patient Identity Merge messages**

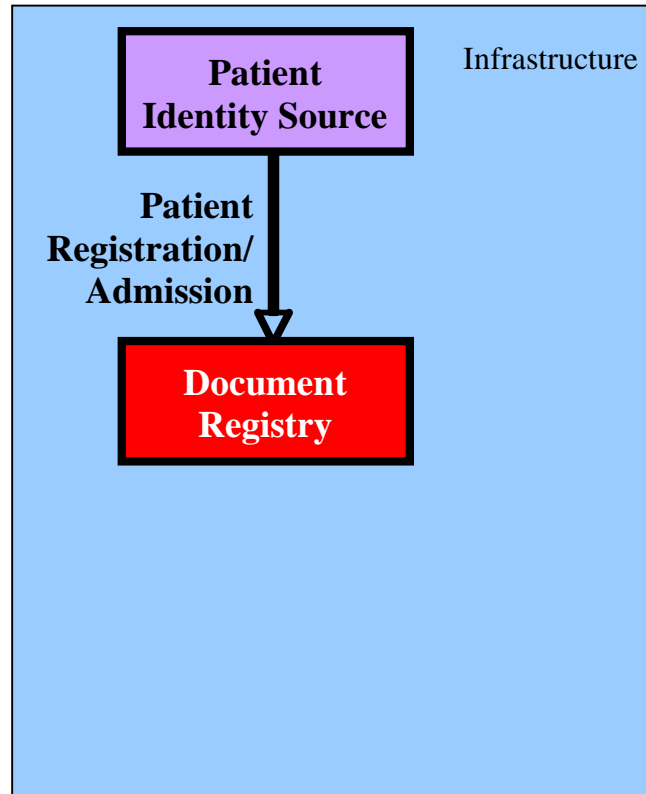
# Cross-Enterprise Document Sharing (XDS) Transaction Diagram



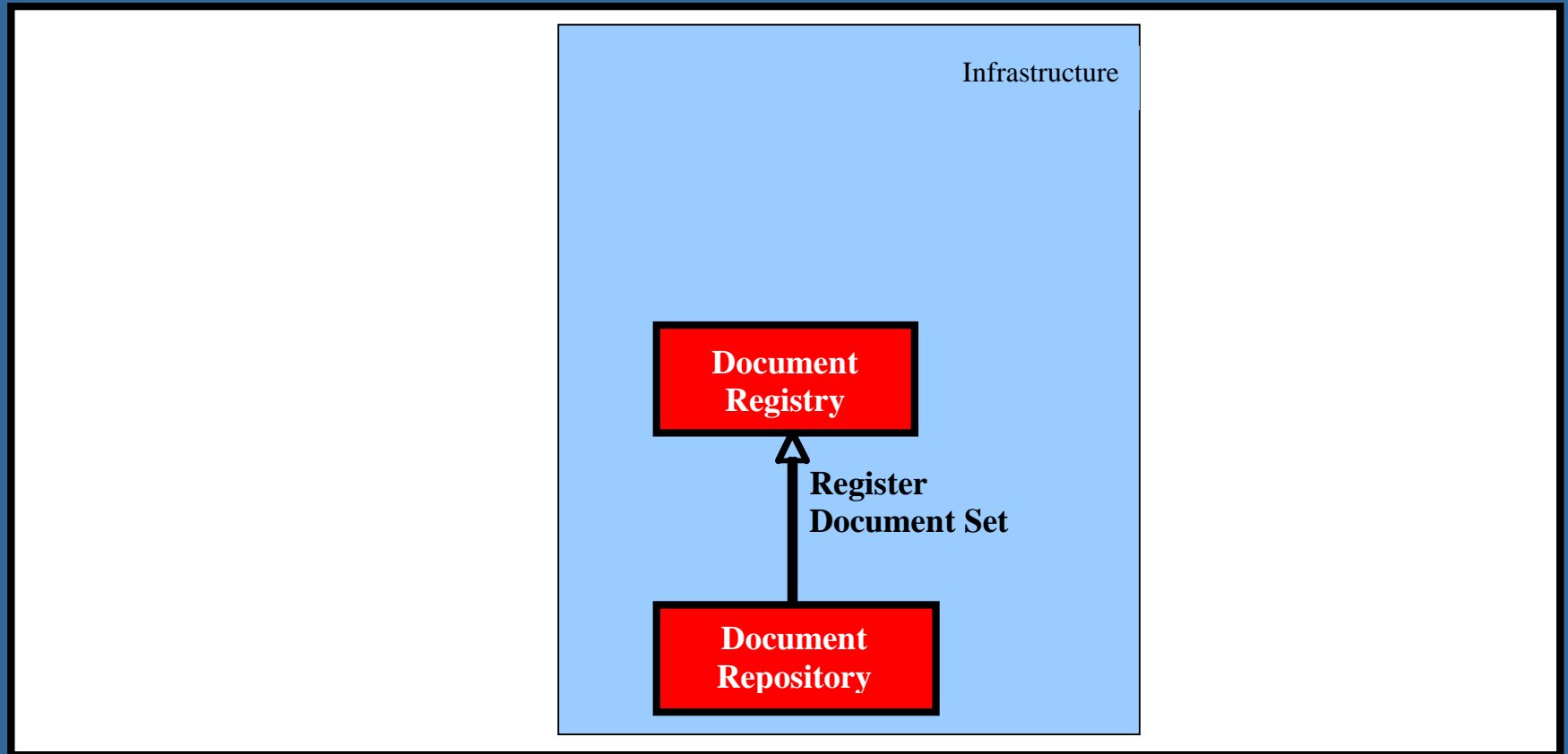
# Cross-Enterprise Document Sharing (XDS) Transaction Diagram



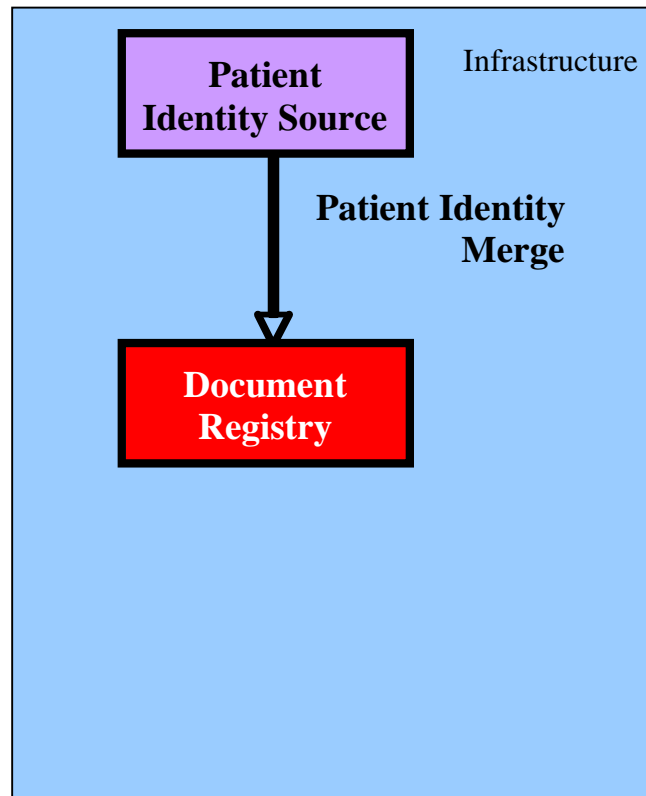
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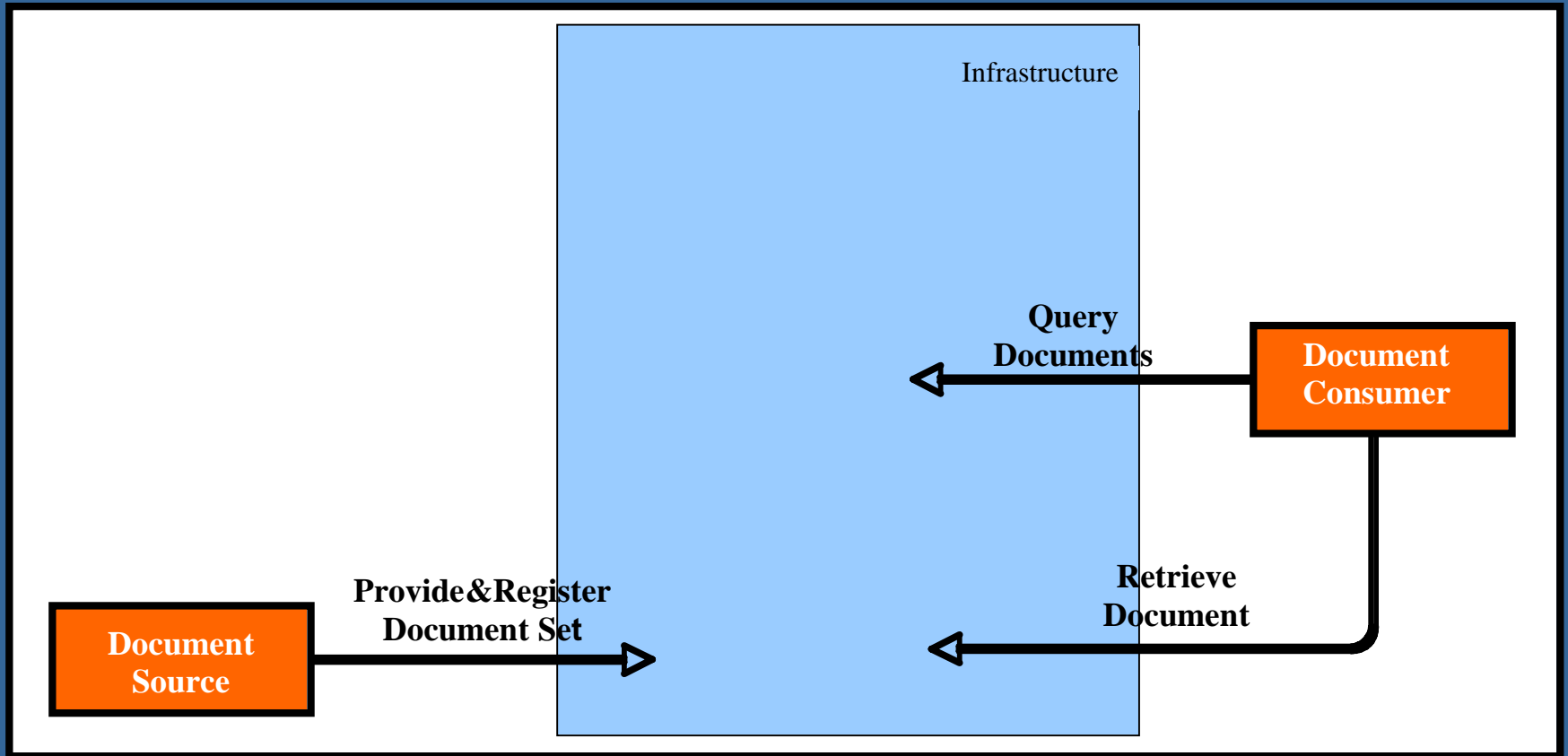
# Cross-Enterprise Document Sharing (XDS) *Transaction Diagram*



# Merge Happens

- Merge Patient ID A into Patient ID B
- A stops being used
- Document associated with A move to B
- Future queries for A return nothing
- Future queries for B return A & B documents

# Cross-Enterprise Document Sharing (XDS) Transaction Diagram



# Who should know about Merges?

- **Registry ... yes**
  - Manages metadata
- **Repository ... no**
  - Most metadata is opaque
- **Document Source ... yes**
  - Must submit with correct Patient ID
- **Document Consumer ... yes**
  - Must query for correct Patient ID

# How to learn of Merges?

- Registry ... Patient Identity Feed
- Document Source & Document Consumer
  - IHE requires no specific mechanism
  - PIX/PDQ available

# How does Registry react?

- Submission with merged ID is rejected
- Query for merged ID returns nothing
- Query for surviving ID returns merged records

# How does Registry implement?

- **Not specified!**
- **What is specified?**
  - Reactions to submissions
  - Reactions to queries
- **Specified purely as an interface issue**
- **SQL Query - use not specified**

- **Unmerge? ... not defined**
- **Link/Unlink**
  - Available from PAM profile
  - PAM profile not integrated with XDS profile
  - May be of future interest - used by some communities



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