# Email Handling in a Digital Preservation System

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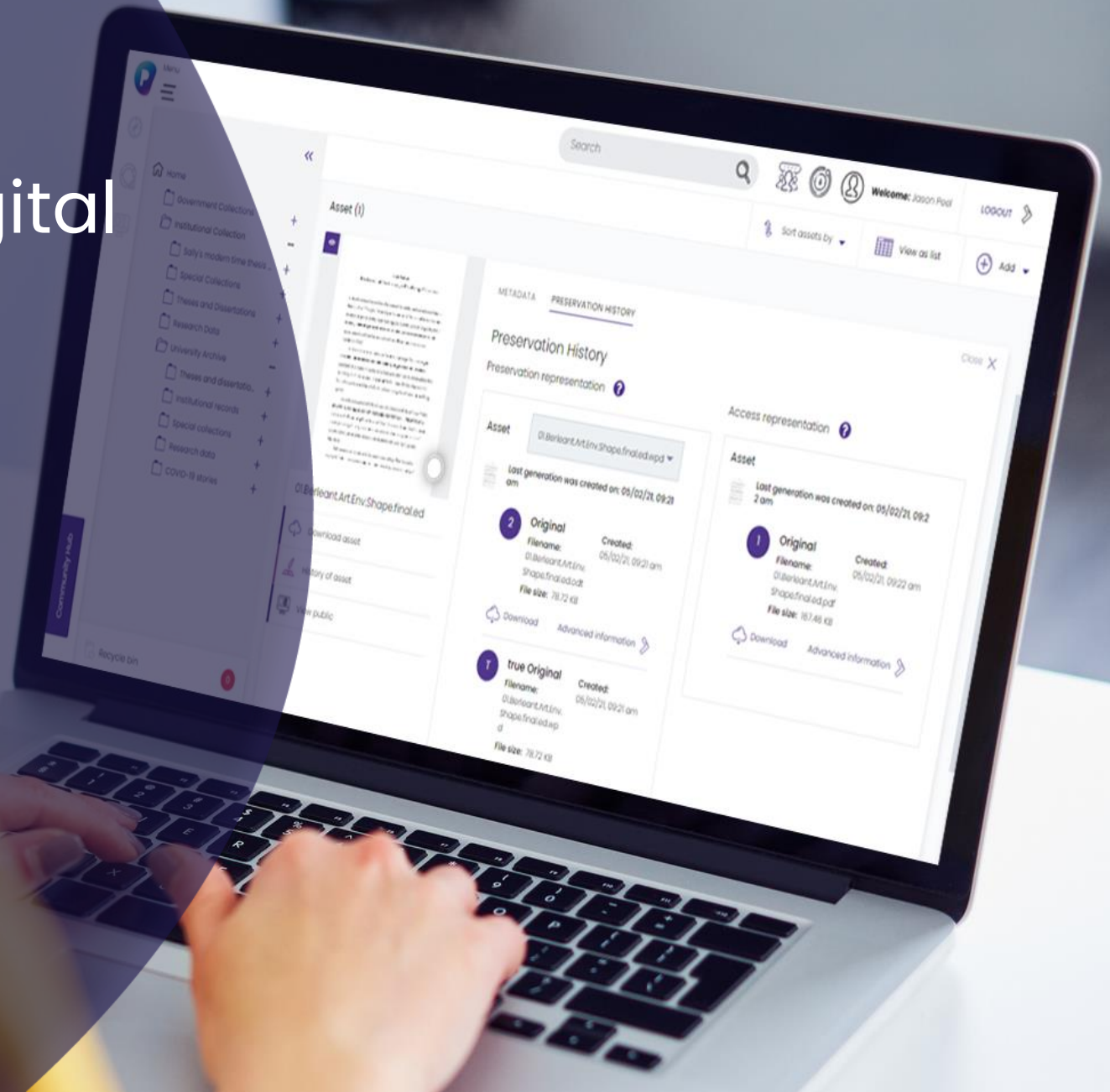

Preservica
Active digital preservation

# Outline

**Preservica**

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# Preservica

- Long Term Digital Preservation System

- Cloud Service & On-Premise

- National memory institutions, Corporate archives, Local government, Education & everything else

- Not specifically email

- We see a lot of variety!

**Preservica**

# Modelling Email

What is an email?

Message Body – text (+ markup) (+ embedded content)

Contextual Metadata – subject, sender, recipients, flags

Provenance Metadata – email headers

Attachments – Other arbitrary content

Preservica

# Modelling in Preservica

**Asset** The logical piece of information the person deals with e.g. document, image, video, email, book

**Information Object**

**Representation** A view of that asset – the same information shown in a different way – e.g. preservation-master, access…

**Representation**          **Representation**

**Content Object** block parts of content that make up a whole Representation e.g. attachments in an email

**Content Object**          **Content Object**

**Generation** The same logical content migrated to new formats for preservation reasons

**Message.eml**          **Attachment.tiff**          **Attachment.jp2**

**BitStream** The physical 0s and 1s that make up the generation of the content object

01001 11001          01001 11001

**Bitstream**          **Bitstream**

# Demo

# Mailboxes

- Exported from another system

- Organisational Information

- Conversational Information

- Non-email content (calendar appointments)

- Unsent emails

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# Demo

# Summary

- Emails are complex digital objects

- Message, metadata and attachments all preserved together

- Message and attachments are normalizable individually

- Mailboxes add further contextual information

**Preservica**

# Thank you

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