

A case study from the ADS: Using DROID to collect file level metadata



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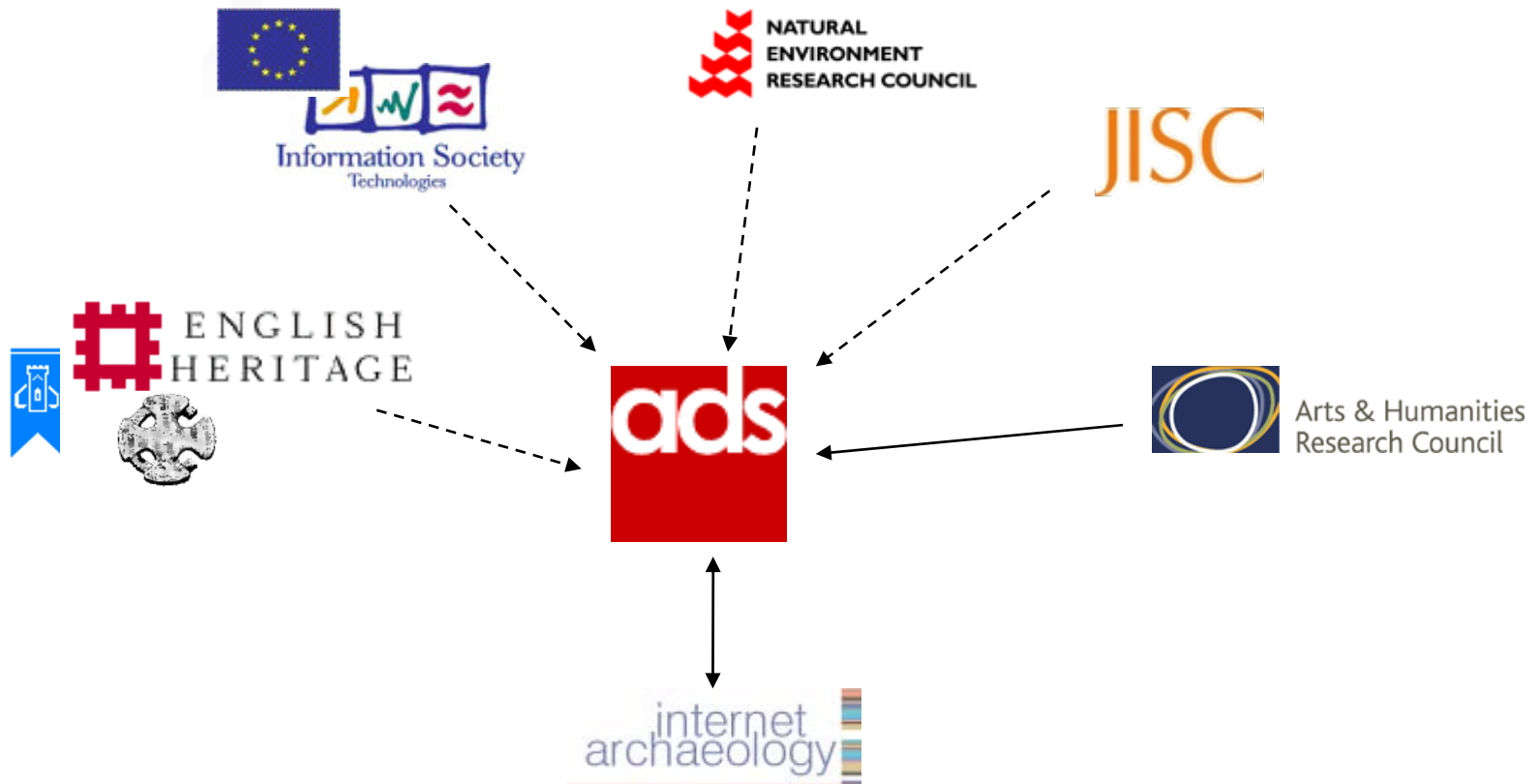
The Archaeology Data Service:

- set up in 1996
- one of five AHDS subject centres
- based within the University of York

Funding:

- initially received funding from
 - Arts and Humanities Research Board (now AHRC)
 - Joint Information Systems Committee (JISC)
- Presently receives core funding from AHRC alongside a range of project-based funding.



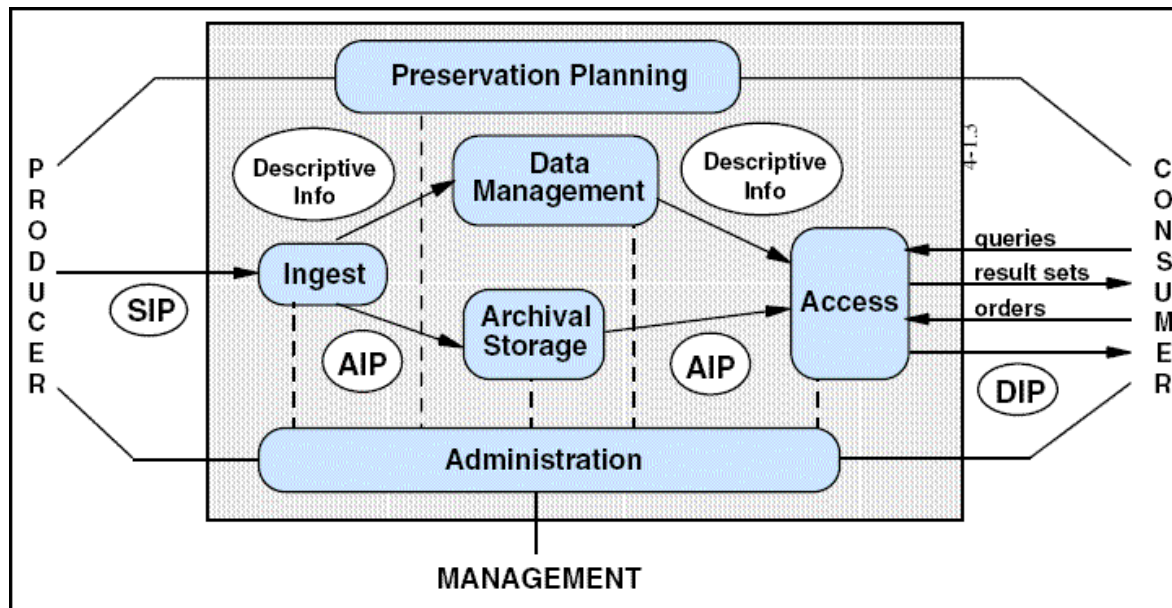


Our remit:

“To support research, learning and teaching with high quality and dependable digital resources.”

In practice this means three key things:

- That ADS collect and preserve datasets
- That we allow full, easy and free access to these
- And that we additionally provide guidance and support to data creators



We follow the
Open Archival
Information
System (OAIS)
reference model

In March 2011 we were very pleased to obtain the
Data Seal of Approval:

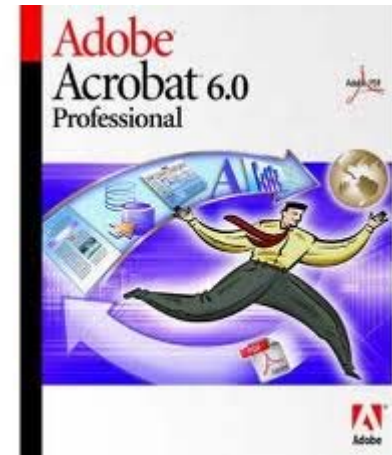
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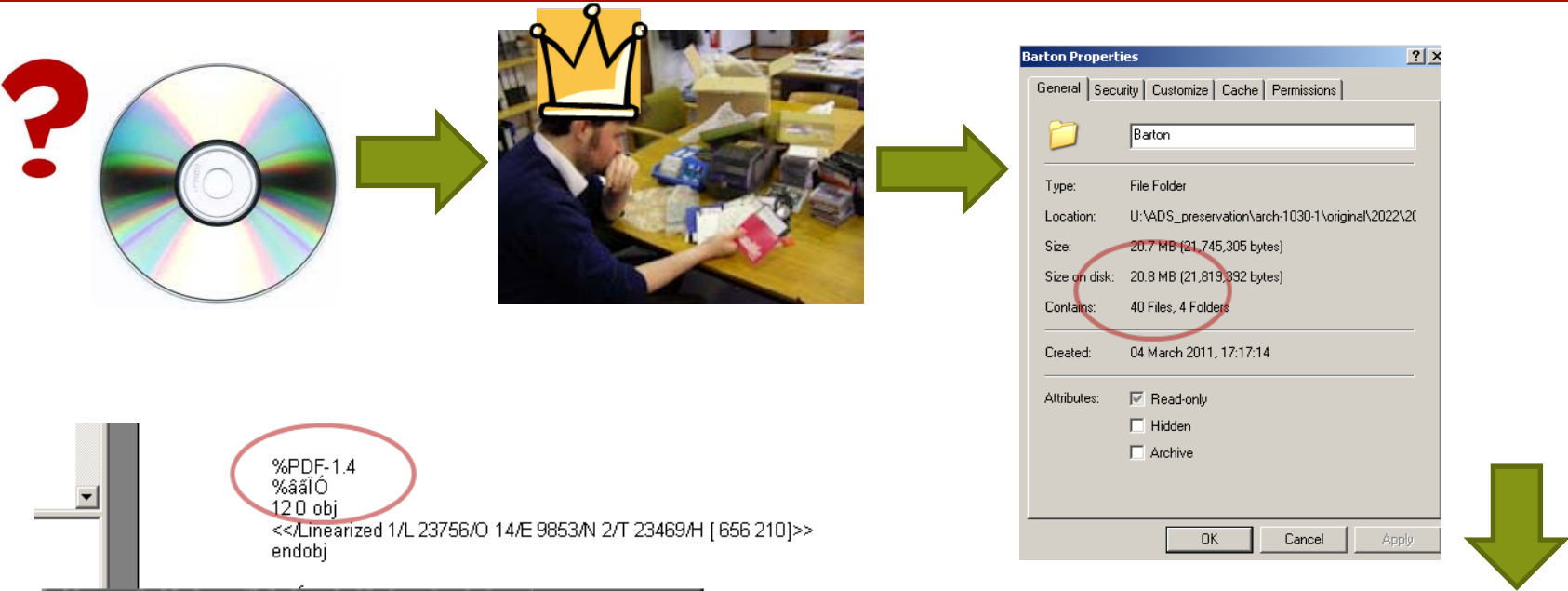


We are not infallible...

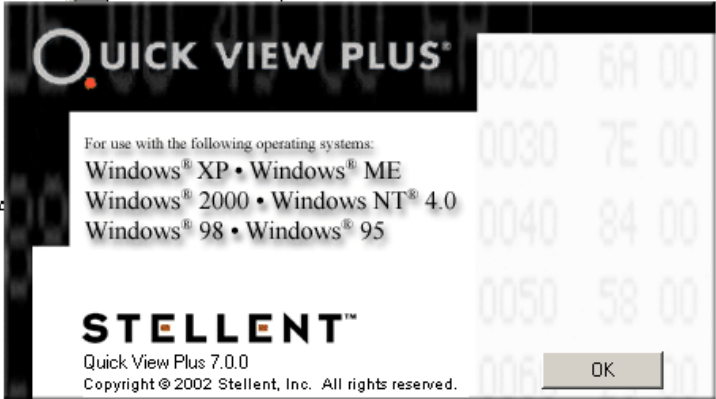
Adobe Acrobat 6.0 Professional
Adobe Acrobat 6.0
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Adobe Acrobat 6.0
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Adobe Acrobat 6.0 Professional Version 6.0.1 03/11/2003
Adobe Acrobat 6.0 Professional v6.0.5
Adobe Acrobat 6.0.1 Professional
Adobe Acrobat Pro 6
Acrobat 6
Adobe Accrobat 6.0



The problem – identifying files



%PDF-1.4
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<</Linearized 1/L 23756/O 14/E 9853/N 2/T 23469/H [656 210]>>
endobj



Name	Size	Type	Date Modified
1-Preliminaries.pdf	24 KB	Adobe Acrobat Document	04/02/2011
2-Ch17-Coins.pdf	111 KB	Adobe Acrobat Document	04/02/2011
3-Ch17-Pins.pdf	191 KB	Adobe Acrobat Document	04/02/2011
4-Ch17-Beads.pdf	101 KB	Adobe Acrobat Document	04/02/2011
5-Ch17-small_finds.pdf	379 KB	Adobe Acrobat Document	04/02/2011
6-Ch17-Worked_stone_artef...	475 KB	Adobe Acrobat Document	04/02/2011
7-Ch17-Worked_flint.pdf	91 KB	Adobe Acrobat Document	04/02/2011
8-Ch17-Pottery.pdf	441 KB	Adobe Acrobat Document	04/02/2011
9-Ch17-Petrography.pdf	175 KB	Adobe Acrobat Document	04/02/2011
10-Ch17-Clay_pipes.pdf	57 KB	Adobe Acrobat Document	04/02/2011
11-Appendix_1.pdf	66 KB	Adobe Acrobat Document	04/02/2011
12-Appendix_2.pdf	39 KB	Adobe Acrobat Document	04/02/2011
13-Appendix_3.pdf	206 KB	Adobe Acrobat Document	04/02/2011
14-Appendix_4.pdf	32 KB	Adobe Acrobat Document	04/02/2011

AHDS Collections Management System

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Accession details: Excavations at St Peter's Church, Barton-upon-Humber

[Accession progress](#) [Delivery media](#) [Files](#) [Documentation notes](#) [Identifiers](#)

Original files	
Files	1 Microsoft Access Database 2000 (mdb)
Location (Centre)	/ADS_preservation/arch-1030-1/original/2022
	Added/Last updated 08-Feb-2011 (te1)
Files	20 Microsoft Word for Windows Document 97-2003 (doc)
Location (Centre)	/ADS_preservation/arch-1030-1/original/2022
	Added/Last updated 08-Feb-2011 (te1)
Files	3 Portable Document Format 1.3 (pdf)
Location (Centre)	/ADS_preservation/arch-1030-1/original/2022
	Added/Last updated 08-Feb-2011 (te1)
Files	9 Portable Document Format 1.4 (pdf)
Location (Centre)	/ADS_preservation/arch-1030-1/original/2022
	Added/Last updated 08-Feb-2011 (te1)
Files	7 Portable Document Format 1.6 (pdf)
Location (Centre)	/ADS_preservation/arch-1030-1/original/2022
	Added/Last updated 08-Feb-2011 (te1)

- What if you have hundreds of files?
- What if Quick View Plus won't recognise them?
- What if you are having a bad day?
- Is recording files in batches good enough?



DROID v6.01

File Edit Run Filter Report Tools Help

New Open Save Export Add Remove Start Pause Filter On Report

Untitled-1 x

Resource	Extension	Size	Last modified	Ids	Format	Version	Mime type
C:\working\droid_test\ADS_files			13/04/11 11...				
1-Preliminaries.pdf	pdf	23.2 KB	04/02/11 15...		Acrobat PDF...	1.4	application/pdf
10-Ch17-Clay_pipes.pdf	pdf	56.8 KB	04/02/11 15...		Acrobat PDF...	1.4	application/pdf
11-Appendix_1.pdf	pdf	65.4 KB	04/02/11 15...		Acrobat PDF...	1.4	application/pdf
12-Appendix_2.pdf	pdf	38.8 KB	04/02/11 15...		Acrobat PDF...	1.4	application/pdf
13-Appendix_3.pdf	pdf	205.4 KB	04/02/11 15...		Acrobat PDF...	1.4	application/pdf
14-Appendix_4.pdf	pdf	31.4 KB	04/02/11 15...		Acrobat PDF...	1.4	application/pdf
15-Appendix_5.pdf	pdf	131.6 KB	04/02/11 15...		Acrobat PDF...	1.4	application/pdf
16-Appendix_6.pdf	pdf	184.5 KB	04/02/11 15...		Acrobat PDF...	1.4	application/pdf
17-Bibliography.pdf	pdf	168.3 KB	04/02/11 15...		Acrobat PDF...	1.3	application/pdf
18-Volume_1_Summary.pdf	pdf	51.9 KB	04/02/11 15...		Acrobat PDF...	1.3	application/pdf
19-Volume_2_Summary.pdf	pdf	53.5 KB	04/02/11 15...		Acrobat PDF...	1.3	application/pdf
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4-Ch17-Beads.pdf	pdf	100.2 KB	04/02/11 15...		Acrobat PDF...	1.6	application/pdf
5-Ch17-small_finds.pdf	pdf	378 KB	04/02/11 15...		Acrobat PDF...	1.6	application/pdf
6-Ch17-Worked_stone_artefacts....	pdf	474.7 KB	04/02/11 15...		Acrobat PDF...	1.6	application/pdf
7-Ch17-Worked_flint.pdf	pdf	90.8 KB	04/02/11 15...		Acrobat PDF...	1.6	application/pdf



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-bash-3.00$

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The **technical registry**
PRONOM



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Tracking Collections People Organisations Addresses

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Excavations at St Peter's Church, Barton-upon-Humber (Collection Id: 1001030)

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accession 1002022:

File	Info	Filename	Method	Pronom Id	MIME Type	Format Name	Version
1	?	1-Preliminaries.pdf	Signature	fnt/18	application/pdf	Acrobat PDF 1.4 - Portable Document Format	1.4
2	?	10-Ch17-Clay_pipes.pdf	Signature	fnt/18	application/pdf	Acrobat PDF 1.4 - Portable Document Format	1.4
3	?	11-Appendix_1.pdf	Signature	fnt/18	application/pdf	Acrobat PDF 1.4 - Portable Document Format	1.4
4	?	12-Appendix_2.pdf	Signature	fnt/18	application/pdf	Acrobat PDF 1.4 - Portable Document Format	1.4
5	?	13-Appendix_3.pdf	Signature	fnt/18	application/pdf	Acrobat PDF 1.4 - Portable Document Format	1.4
6	?	14-Appendix_4.pdf	Signature	fnt/18	application/pdf	Acrobat PDF 1.4 - Portable Document Format	1.4
7	?	15-Appendix_5.pdf	Signature	fnt/18	application/pdf	Acrobat PDF 1.4 - Portable Document Format	1.4
8	?	16-Appendix_6.pdf	Signature	fnt/18	application/pdf	Acrobat PDF 1.4 - Portable Document Format	1.4
9	?	17-Bibliography.pdf	Signature	fnt/17	application/pdf	Acrobat PDF 1.3 - Portable Document Format	1.3
10	?	18-Volume_1_Summary.pdf	Signature	fnt/17	application/pdf	Acrobat PDF 1.3 - Portable Document Format	1.3
11	?	19-Volume_2_Summary.pdf	Signature	fnt/17	application/pdf	Acrobat PDF 1.3 - Portable Document Format	1.3
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14	?	4-Ch17-Beads.pdf	Signature	fnt/20	application/pdf	Acrobat PDF 1.6 - Portable Document Format	1.6

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Excavations at St Peter's Church, Barton-upon-Humber

H E M Cool, Mark Bell, 2011

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 England

Downloads

A brief description of the contents of the digital archive can be found in the [overview](#) section.

PDF files

1-Preliminaries	PDF	48 Kb
2-Ch17-Coins	PDF	96 Kb
3-Ch17-Pins	PDF	227 Kb
4-Ch17-Beads	PDF	94 Kb
5-Ch17-small finds	PDF	385 Kb
6-Ch17-Worked stone artefacts	PDF	457 Kb
7-Ch17-Worked flint	PDF	79 Kb
8-Ch17-Pottery	PDF	571 Kb
9-Ch17-Petrography	PDF	250 Kb
10-Ch17-Clay pipes	PDF	41 Kb
11-Appendix 1	PDF	53 Kb
12-Appendix 2	PDF	48 Kb
13-Appendix 3	PDF	424 Kb
14-Appendix 4	PDF	67 Kb
15-Appendix 5	PDF	200 Kb
16-Appendix 6	PDF	415 Kb
17-Bibliography	PDF	354 Kb
18-Volume 1 Summary	PDF	93 Kb

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Excavations at St Peter's Church, Barton-upon-Humber

Introduction

St Peter's Church at Barton-upon-Humber (TA 0347 34) was declared redundant in 1972 and taken into public guardianship in 1978 by the then Department of the Environment. Given that it had long been recognised to have a late Saxon origin, a major programme of excavation and survey was instituted. This explored the church and its churchyard, and ran from 1978 to 1984 under the direction of Warwick Rodwell. The programme has meant that this is the most intensively died and recorded parish church in the country. It has produced the largest collection of human remains ever excavated in the UK. The latter provide a unique insight into the population of a small, relatively isolated, market town over 900 years.

The results of the project are being published in two express volumes with parts of volume 1 and the database constructed during the post excavation project available here. The database contains data from both volumes including full osteological information for all the burials. The summaries for both volumes are also available here as downloadable files.

Rodwell, W. with Atkins, C. 2011. *St Peter's, Barton-upon-Humber, Lincolnshire - A Parish Church and its Community. Volume 1: History, Archaeology and Architecture*, (Oxbow Books, Oxford).

Waldron, T. 2007. *St Peter's, Barton-upon-Humber, Lincolnshire - A Parish Church and its Community. Volume 2: The Human Remains*, (Oxbow Books, Oxford).

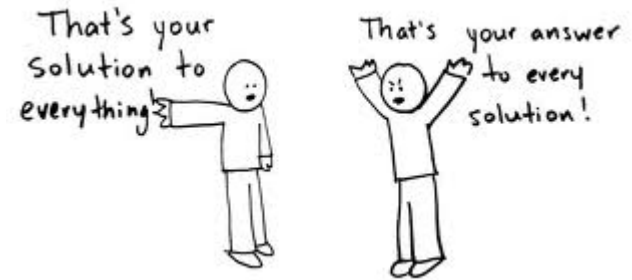


- Not all files we have are recognised by DROID
- It can not produce resource discovery metadata
 - I want to find all reports that mention the Romans
 - I want to find all databases that contain glass beads
 - I want to find all images of postholes
 - I want to find all GIS files for the York area

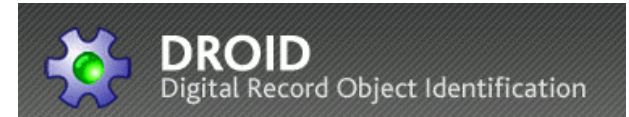
- Resource discovery
- Dissemination
- Tracking and controlling access to files
- Integrity checking (using checksums)
- Reporting
- Preservation planning

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- DROID: Digital Record Object Identification
- JHOVE: JSTOR/Harvard Object Validation Environment
- NLNZ: National Library of New Zealand Metadata Extraction Tool
- FITS: File Information Tool Set



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