



The National Archives

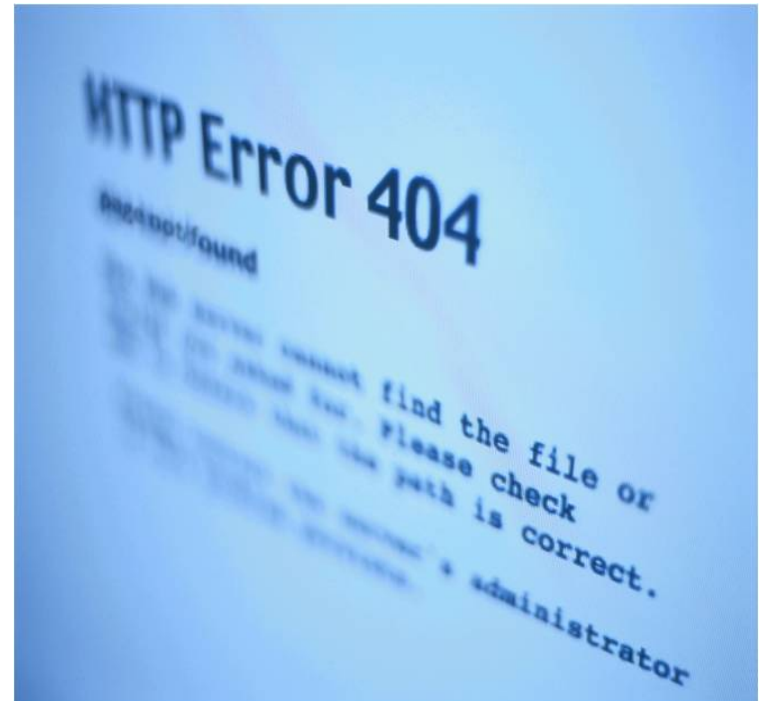
Continuity and Preservation: The National Archives' approach

Amanda Spencer and Alison
Heatherington, October 2009



Web Continuity Project rationale

- Fragility of the web
- Raised by parliament; concerns among researchers
- Widespread use of web; Prevalence of e-only publications
- Ephemeral vs. Official record
- Web-centric solution





Comprehensively archiving government's websites

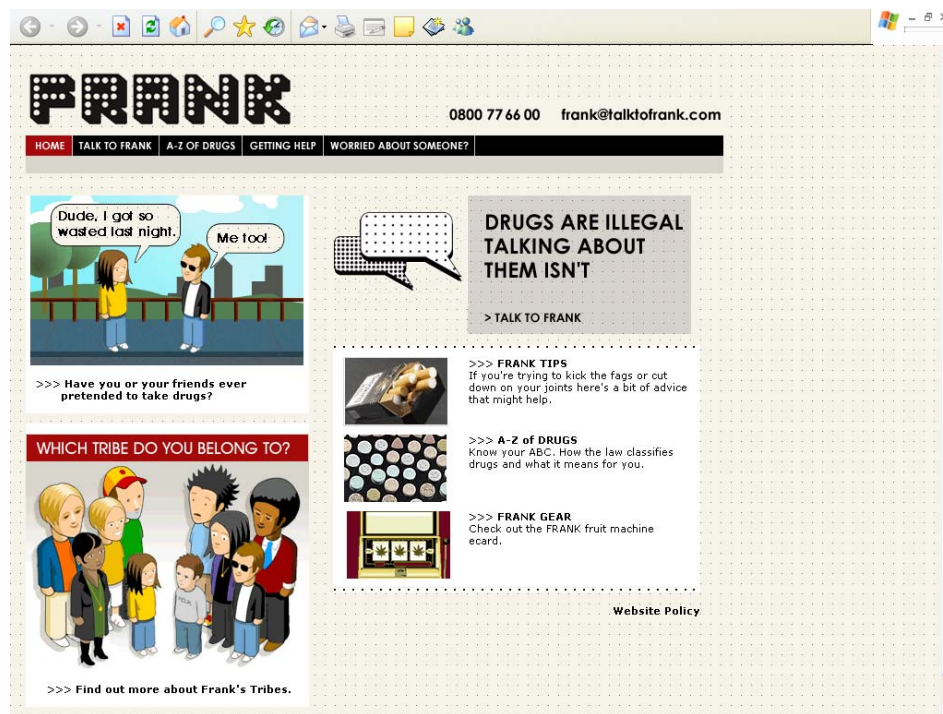
- In partnership with the European Archive
- Whole of UK central government
- Incorporating Transformational Government Website Rationalisation Programme
- 3 x yearly; around 1500 sites
- Website managers can request additional crawls

Directgov




Making sure web links work in perpetuity

- Configuration redirection behaviour required on government web servers
- Open source solutions available for Apache and Microsoft IIS Web Servers
- Enables users to be redirected to web archive instead of receiving a 404 Page Not Found error; does not replace existing redirects on live websites






The Ministry of Justice Website (using Apache)



This is archived web content selected for preservation by The National Archives. This snapshot was taken on 15/02/2009. See all dates available for this archived website. External links, forms and search boxes may not function within these archived websites. Find more about web archiving at The National Archives.



Ministry of JUSTICE

Directgov

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Requesting information
Site map
A - Z
Accessibility and help

Search site:

About us | What we do | News | Publications | Guidance

Home > About us > Jobs > Current vacancies > ...back

Current vacancies

[All](#) | [London](#) | [Midlands](#) | [North East](#) | [North West](#) | [South East](#) | [South West](#) | [Wales](#) | [Scotland](#)

Judges Clerk

Location: Royal Courts of Justice, London
Job reference number: 360/01/09
Salary: Starting at £21,467 with the potential to rise to £28,000.
Closing date: 13 February 2009

[Job description](#) | [Job profile](#) | [Application guidance](#) | [Application form](#)

1. To provide a personal service, both in London and on Circuit, to the judge and HMCS by ensuring best use of the judge's time to enable him/her to concentrate on the delivery of justice.
2. At the direction of the judge speak with his/her authority.
3. Provide effective and timely support to the judge in respect of all secretarial, administrative duties, communications and IT systems.
4. Manage the judge's diary effectively by being the first point of contact for any queries ensuring full and proper use of his/her time.
5. Provide the judiciary with advice and guidance on aspects of court and ceremonial procedures.
6. Ensure that your judge is in the right court, at the right time, wearing the appropriate dress and with the appropriate papers.
7. Ensure that standards of customer service to the judges, colleagues, profession and other court users are maintained and where possible improved upon.
8. Ensure the correct completion and process of travel and subsistence claims for the judge and yourself.

HER MAJESTY'S COURTS SERVICE hmcs

About our organisation


- [Her Majesty's Courts Service](#)
- [Judicial Appointments Commission](#)
- [Ministry of Justice](#)
- [Office for Judicial Complaints](#)
- [Office of the Public Guardian](#)
- [Offices of Court Funds, Official Solicitor and Public Trustee](#)
- [Tribunals Service](#)

Please note that we do not accept CVs.
Large print and Braille versions of the application pack are available. Please contact

Internet 100%



The Cabinet Office Website (bespoke approach with bridging page)

CabinetOffice 

[About The Cabinet Office](#) | [News](#) | [Publications](#) | [FAQs](#) | [Contact us](#) | [Sitemap](#) | [Viewing advice](#)

You are here:
CO Home >

Last updated: 27 April 2009

Search
Enter Query

Page/Document not found

Sorry, the page/document you are looking for cannot be found.

Try using the site search facility on this page or the **Sitemap** to find the page/document you are looking for.

This website is periodically copied for historical purpose by the **National Archives** [External website]. Try visiting the [archived](#) page.

Please also note that several units **have changed or no longer exist in the Cabinet Office** and as a consequence may have had their information moved to other departmental sites or archived. Please check your url ie <http://www.cabinetoffice.gov.uk/something> to see if it is a derivative of any of the addresses on this list and, if so, encourage the site you are coming from to update their link:

- Better Regulation Executive (Now part of **Department for Business, Enterprise & Regulatory Reform** [External website]) - was previously at <http://www.cabinetoffice.gov.uk/regulation>
- E-Government Unit (Now the **Chief Information Officer Council**) - was previously at <http://www.cabinetoffice.gov.uk/e-government> - an **archive version of the E-government Unit website** remains for historical purposes

If your still experiencing problems please report the broken link/missing page via our **Technical Feedback form**.

To contact us about this website, use the **website feedback** form.
General enquiries: Cabinet Office, 70 Whitehall, London SW1A 2AS. Switchboard: 020 7276 1234
[[Terms and conditions, privacy and copyright](#)] [[Complaints procedure](#)] [[Readers](#)] [[This website is speech enabled](#)] [External website]

Internet 100%



The National Archives – bespoke solution with bridging page and pre-check of Web Archive

A The National Archives

Sorry, the page you were looking for can't be found.

- The page you were looking for may have been moved, updated or deleted. We may have a missing page or an incorrect link. Please [contact us](#) to let us know, and we will correct our mistake.
- We recommend you start again from our [home page](#) or try our [A-Z index](#) to find what you were looking for.
- Alternatively, you may wish to [check for the latest version of this page in the UK Government Web Archive](#). Please be aware that external links, forms and search boxes may not function within some archived web pages.

Popular pages

- Family history ▶
- Military history ▶
- Search the archives ▶
- UK Government Web Archive ▶
- UFO files ▶

Getting in touch

- Contact us ▶
- Press office ▶
- Visit us ▶

Site help

- Help index ▶
- A-Z index ▶
- Accessibility ▶

About us

- Jobs and careers ▶
- Terms of use ▶
- Freedom of information ▶

Websites

- Office of Public Sector Information ▶
- Learning Curve ▶
- Directgov ▶

The National Archives, Kew, Richmond, Surrey, TW9 4DU, Tel: +44 (0) 20 8876 3444. [Contact us](#)



Improved presentation in Web Archive

[ARCHIVED CONTENT] The National Archives - Mozilla Firefox

This is archived web content selected for preservation by The National Archives. This snapshot was taken on 09/12/2008. See all dates available for this archived website. External links, forms and search boxes may not function within these archived websites. Find more about web archiving at The National Archives.

CabinetOffice


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Last updated: 02 December 2008


The Cabinet Office is at the centre of government, making government work better. This website brings together information from units in the Department.

Fair rules for strong communities

 The Prime Minister has set out the Government's 'fair rules' agenda, outlining a wide range of policy initiatives designed to support strong communities. The 'Fair Rules for Strong Communities' strategy sets out a comprehensive series of reforms covering welfare reform, crime and policing, children and young people, business rules, immigration and communities, which are designed to bring people together and steer the country through the global economic downturn.

- Fair Rules for Strong Communities [PDF, 1.2MB, 65 pages]
- News release: 'Fair rules for strong communities'

Getting on, getting ahead

 The Prime Minister's Strategy Unit has published 'Getting on, getting ahead,' an independent research paper analysing the evidence base on social mobility. The discussion paper identifies key trends and drivers of social mobility, highlighting four key areas where the Government can have the most significant impact on improving social mobility.

- Getting on, getting ahead: A discussion paper: analysing the trends and drivers of social mobility
- News release: 'Government publishes analysis of independent research on social mobility'

Search
Enter Query
Find

Cabinet Office sites

Latest News


09/12/2008
Independent research into licensing public charitable collections

03/12/2008
Civil servants celebrate diversity

02/12/2008
Fair rules for strong communities

Related Links

Cabinet Office "Have your say" topics

 CIVILSERVICE

Directgov

COI News Distribution Service

info4local website

Website Feedback



Web archiving workflow

The screenshot shows a web browser window displaying the UK Government Website Database. The page title is "The National Archives" and the subtitle is "UK Government Website Database". The user is logged in as "AmandaSpencer" (last logged on: 19/08/2009). The navigation menu includes "Department details", "Domain details" (selected), and "Help".

The "Crawl summary" section shows a list of departments: BERR, Businesslink, CLG, CO, DCMS, DCSF, DECC, DEFRA, DFID, DFT, DH, Directgov, DIUS, DWP, ECGD, FCO, GEO, HMRC, HMT, HO, MOD, **MOJ**, NHS, NI, Other, SCOT, WALES. The "MOJ" department is selected.

The "Domain(s)" dropdown menu shows "Ministry of Justice". There is an "Export as CSV" button.

Page: 1

Domain	Scheduled crawl	Exceptional crawl	Actual start	Crawl complete	Scheduled next	
www.justice.gov.uk	01/7/2008				01/10/2008	Details
www.justice.gov.uk	01/10/2008				01/2/2009	Details
www.justice.gov.uk	01/2/2009		15/2/2009	16/2/2009	01/6/2009	Details
www.justice.gov.uk	13/6/2009				13/10/2009	Details
www.justice.gov.uk	02/10/2009				02/2/2010	Details

There is a yellow button labeled "Create exceptional crawl" at the bottom of the table.

Page: 1



Long-term preservation of web archives

2-stage process:

Passive preservation:

Managed storage of data files

Regular backups

Active preservation:

Ingest

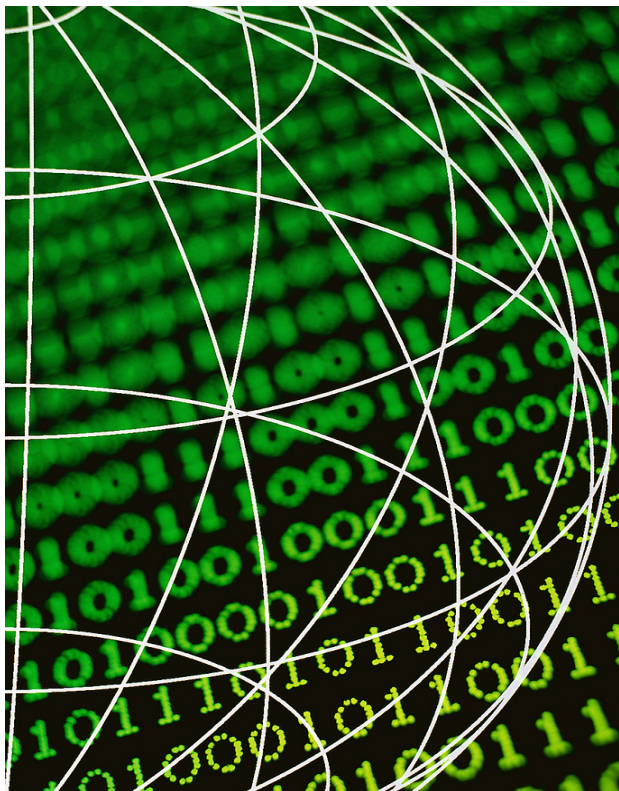
Validation

Characterisation

Migration (repeatable)



The National Archives' Digital Repository



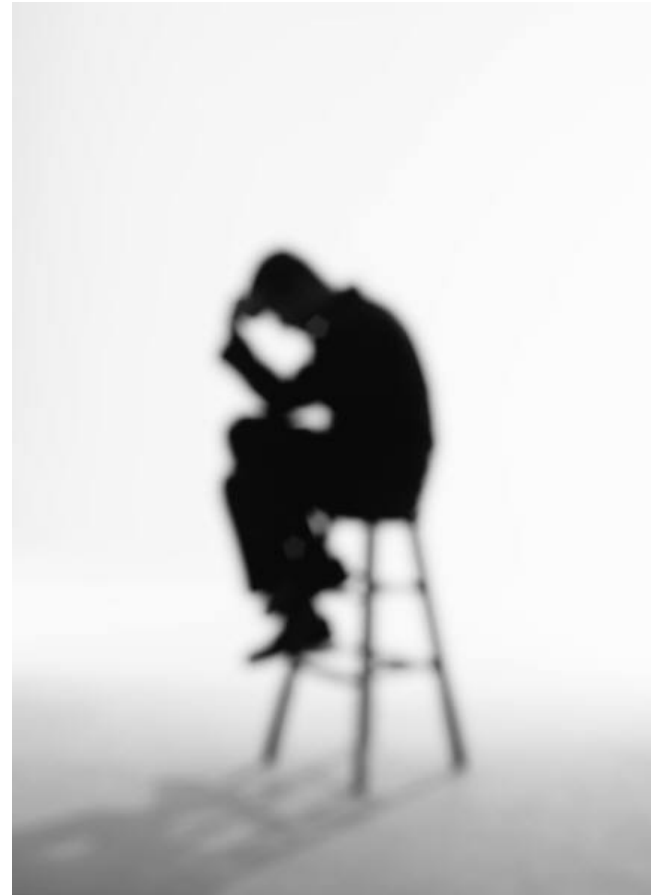
Workflows

Automated

Relationships

Decisions


- Metadata –
 - minimum elements
 - fit with WARC
- Level of cataloguing
- Legacy data/ ARC files







Ingest - metadata

Based on Digital Repository Metadata Editor

 **Generic Metadata Editor** Tuesday 1 May
[Logout tnamemo](#)

























Maintain Accession  

Current Task Is Approve Accession Task Complete

Accession Reference RAIL 9:unpackage tests/1

Exit State

Deliverable Units

Filename	Reference				
RAIL 9:unpackage tests/1					
 TestFiles - test01	RAIL 9/1	<input type="checkbox"/>	<input type="checkbox"/>		
 1000 - test02	RAIL 9/2	<input type="checkbox"/>	<input type="checkbox"/>		
 2000 - test05	RAIL 9/5	<input type="checkbox"/>	<input type="checkbox"/>		
 3000 - test08	RAIL 9/8	<input type="checkbox"/>	<input type="checkbox"/>		
 4000 - test13	RAIL 9/13	<input type="checkbox"/>	<input type="checkbox"/>		
 5000 - test20	RAIL 9/20	<input type="checkbox"/>	<input type="checkbox"/>		



Characterisation

Quarantine follows ingest

Identify and validate:
PRONOM, DROID, Jhove

Risk assessment





PRONOM and DROID

The technical registry
PRONOM

Details: File format summary

Simple search | File format | PRONOM Unique Identifier | Software | Vendor

Details for: Microsoft Word for Windows Document 6.0/95

Go to: **Summary** | Documentation > | Signatures > | Compression > | Reference files > | Properties >

Summary

Name	Microsoft Word for Windows Document 6.0/95
Version	6.0/95
Other names	
Identifiers	MIME: application/msword Apple Uniform Type Identifier: com.microsoft.word.doc PUID: fmt/39
Family	
Classification	Text (Wordprocessed)
Disclosure	None
Description	With the release of Word 6.0, Microsoft introduced a new file format, based on its generic OLE2 Compound Document Format. Microsoft does not make details of this format available. Information from OpenOffice.org's reverse-engineering project suggests that this format therefore be regarded as definitive. A word document is stored as a 'worddocument' stream within a Compound Document Format file. The format remained unchanged with the release of Word 95.
Orientation	Binary
Byte order	Little-endian (Intel)
Related file formats	Has priority over OLE2 Compound Document Format Is previous version of Microsoft Word for Windows Document (97-2003) Is subsequent version of Microsoft Word for Windows Document (2.0)

DROID (Digital Record Object Identification)

File Edit Identify Tools Help

File list

Status	File
●	C:\Sample files\Document.rtf
●	C:\Sample files\New Microsoft Word Document.doc
●	C:\Sample files\userguide.pdf
●	C:\Sample files\test.jp2
●	C:\Sample files\New Text Document.txt
●	C:\Sample files\UnknownBinary.bin

Add Files Remove Files Remove All

Identify Cancel

File 13 of 13 analysed

Identification results

File C:\Sample files\Document.rtf

PUID	Format	Version	Status	Warning
rtf1.0	Rich Text Format	1.0	Positive (Generic Format)	
rtf1.1	Rich Text Format	1.1	Positive (Generic Format)	
rtf1.2	Rich Text Format	1.2	Positive (Generic Format)	
rtf1.3	Rich Text Format	1.3	Positive (Generic Format)	



Migration



Oracle
'Outside In'

PDF

HTML

Manual

Plug in



Storage



Preservation data at
TNA

Presentation by
European Archive.



Work in progress...

Metadata

Legacy web archive data
1996-present (ARC)

UDFR

Risk





The National Archives

nationalarchives.gov.uk