

BNCWeb

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BNCWeb



BNCWeb is an interface to the British National Corpus, a dataset of 100 million words, carefully sampled from a wide range of texts and conversations to provide a snapshot of British English in the late 20th century.

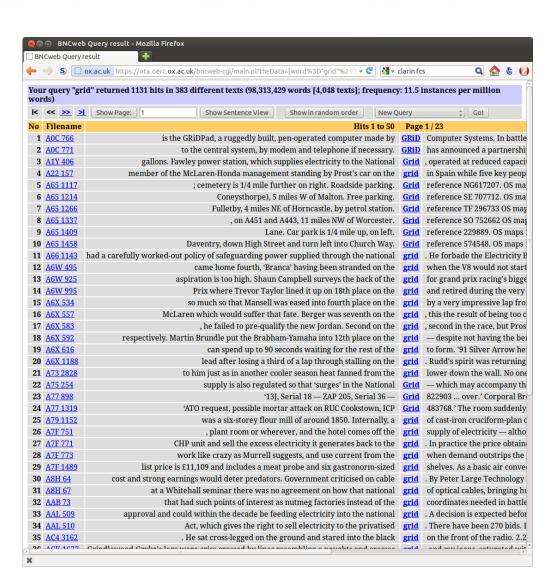
This is a key reference work in English studies, linguistics and language teaching and is widely used in a wide variety of computational linguistic applications.

BNCWeb offers powerful search and analysis functions for searching the text and exploiting the detailed textual metadata. The BNCWeb software is an open source project. The BNC is made available by Oxford University Computing Services on behalf of the BNC Consortium for educational and research purposes, and may not be redistributed by third parties.

As part of a plan to enhance the sustainability of the resource, we aim to offer the corpus under a less restrictive licence, allowing redistribution, in the future.

The Oxford instance of the BNCWeb software is built in a VM with:

- Linux (Ubuntu 10.4 LTS 64-bit server edition)
- Apache
- Mysql
- Perl



Use cases



- 1) Specialist linguistic research, using the BNC as a basic reference dataset
- 2) University classroom teaching and learning
- 3) Independent research and a reference resource for learners, citizen scholars, etc.
- 4) Federated search in the CLARIN European e-Infrastructure
- 5) Developers build additional web services on top of BNCWeb
- 6) IT providers in institutions holding licences for the BNC implement local installations of BNCWeb for local users



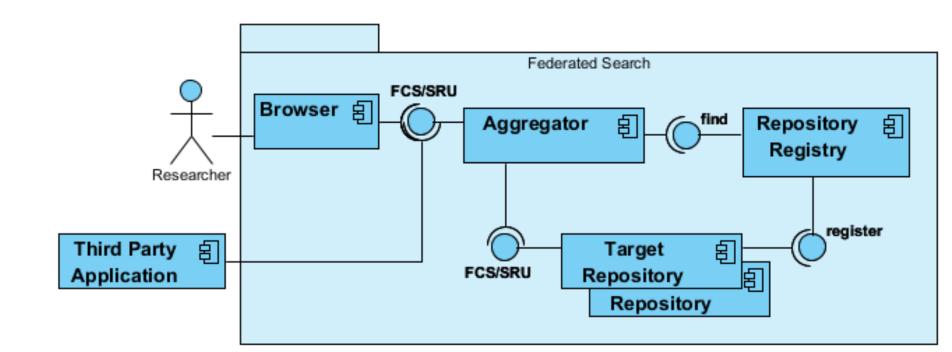
Researchers in linguistics and other disciplines, teachers, language learners, writers and computational linguists all around the world are potential users of BNCWeb, which is a basic reference resource for the English language.



BNCWeb will be used as the main resource for teaching a Masters level course in 'Exploring English Usage' in October-November 2012, and 'Corpus Linguistics' in February-March 2013. Users will submit queries in interactive sessions with BNCWeb online. There will be usage peaks during the sessions. we want to make it available as a service for other (unscheduled) teaching sessions.

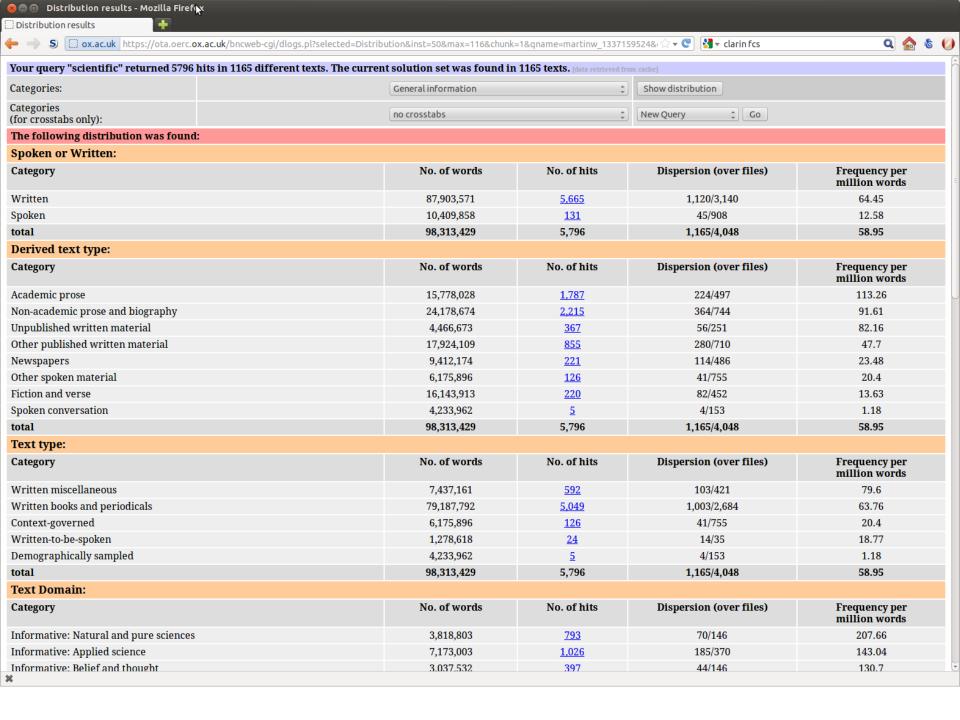


Federated search in the CLARIN European e-Infrastructure: a secure and highly available BNCWeb can be used to contribute English-language resources to the ongoing project to build a Europe-wide demonstrator for federated search across archives and across access federation boundaries.





Developers can build additional web services on top of BNCWeb, e.g. adding improved visualizations of the search results:





WRIDOMP_IMAGINATIVE

□ WRILEV0: Unknown
■ WRILEV1: Low
■ WRILEV2: Medium
■ WRILEV3: High
□ SPOREG0: Unknown
■ SPOREG1: South
■ SPOREG2: Midlands
■ SPOREG3: North



IT providers in institutions holding licences for the BNC implement local installations of BNCWeb for local users - e.g. http://ota.oerc.ox.ac.uk/bncweb-cgi/BNCweb.pl/

Requirements



Requirements:

- availability (reliable web service PLUS option for local installation)
- scalability of compute resources
- persistence (user workspace records, e.g. saved searches)
- flexible options for the access and authorization layer (basic auth / local SSO / Shibboleth)