

Information Retrieval

Design and Sources

Roslina Othman



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INFORMATION RETRIEVAL: DESIGN AND SOURCES

Editor

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31. BORN-DIGITAL MATERIALS: RETRIEVABLE OR IRRETRIEVABLE?

Nik Roslina Raja Ismail and Roslina Othman

ABSTRACT

This chapter discusses on the retrieval issues of born-digital materials. The augmentation of the born-digital materials demands a proper preservation in making sure the availability of the materials to be accessed for future reference. Key challenges to this effort would be the massive increase in data volume, extraordinary diversity of data, evolving user needs and requirements and ever-changing technology environment. In dealing with preservation for a huge volume of digital information, a proper web archiving systems is deemed to be essential as the growth of these born-digital materials are tremendous. It would be very frustrating if these materials are not accessible in the future. Due to that reason, the problems of long life data preservation need to be resolved by improving the web searching techniques.

31.1 Introduction

The Library of Congress (2008) defined 'born-digital' as materials created solely in digital formats without having the analog (physical) version of it. These born-digital materials are in jeopardy if there is no effort being done in order to preserve it from being lost or no longer available for reference. It cannot be denied that millions of websites which are the most common born-digital materials are now lost either completely or in their original versions. The other risk that would be faced by these born-digital materials is the alteration made consciously or