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Design of Information Retrieval and Management System based

National R&D Reports Database Management System

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가 . 가 가 , 가 가

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KRISTAL-2002 DB , , DBMS

1.

DBMS

DBMS

가 가 DBMS

[1].

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, DBMS

가

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(Korea Institute

[3].

of Science and Technology Information-KISTI)

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KRISTAL-2002

DB

, DBMS

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. 2 가
DBMS

[2].

, 3

KRISTAL-2002

, DBMS

[2] 가

4

DB

2.

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[2]

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가

. KISTI

1

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2.2 가

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[1] 가

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[4].

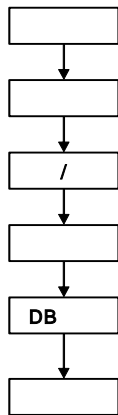
DBMS

Offline

2.1 가

, DB Oracle

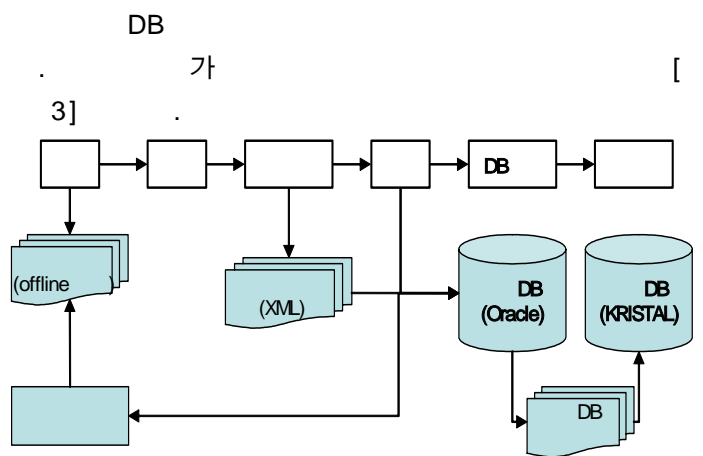
KRISTAL



(XML)
(PDF)

DB

[1] 가



[3] 가

가

[1]

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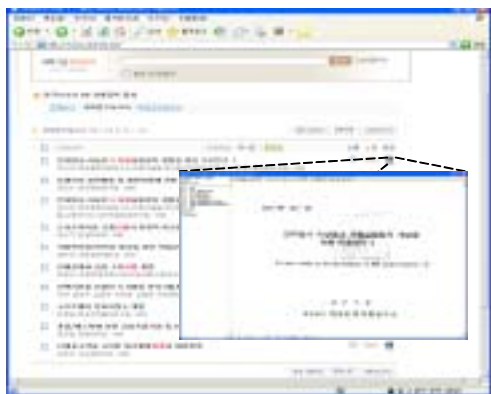
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KRISTAL-2002

, DBMS

XML

tiff pdf



3.1 KRISTAL-2002

KRISTAL-2002 KISTI

XML

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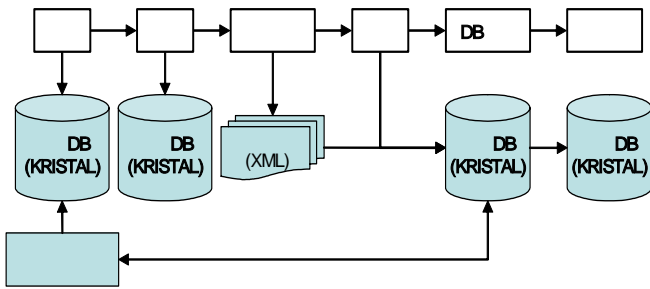
. KRISTAL-2002

DBMS

[3].

3.2 KRISTAL-2002

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 KRISTAL-2002 가



[4] KRISTAL-2002 가

3.3

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 DBMS Oracle

```

public static boolean insert(String tn, HashMap hm) {
    Iterator iter = null;
    String secName, secValue = null;
    ParameterType pOut = null;
    ParameterType pln = new ParameterType();
    DocumentType docType = new DocumentType();
    ClientLIB cl = new ClientLIB(ip, port);
    iter = hm.keySet().iterator();
    while (iter.hasNext()) {
        secName = (String) iter.next();
        secValue = (String) hm.get(secName);
        docType.sections.add(new SectionType(secName, secValue));
    }
    pln.documents.add(docType);
    pOut=cl.Request(KristalHeader.APPEND_DOCUMENT, pln);
    //System.out.println(pOut.service_time);
    return true;
}
    
```

[5] DB API

DB , 가
 10,000 (60Mb)
 DB
 (Indexing)
 [5]
 KRISTAL-2002 API KRISTAL DB
 Java API
 , KRISTAL
 DBMS Oracle
 55%

4.

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 KRISTAL-2002 가
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 DBMS가 가
 KRISTAL-2002

5.

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