

# UAKGQueryServiceA: General Description

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## 1 Introduction

UAKGQuery is a CORBA service for database access.

## **2 Intention:**

1. To provide universal CORBA API for database access.
2. To provide integration of DB transactions into CORBA model of distributed transactions.

## **3 Usage Description**

Application programmers use UAKGQuery CORBA API for database access by linking application with client-side UAKGQuery libraries. Also embedding UAKGQuery Service into applications is supported, by linking it's with server-side libraries.

## **4 Programming Environment Requirements**

- Database server - Oracle-8i,9i or InterBase-6.0 on any platform.
- Server-side operation system: Sun Solaris, Linux, Windows NT. (port to any posix compabilite system is possible)
- Client-side operation system: Sun Solaris, Linux, Windows NT, FreeBSD (port to any posix compabilite system is possible)
- ORB: ORBacus-4.x, TAO-1.1, TAO-1.2
- Transactions is supported when used ORBacus 4.x and OB OTS.

### **4.1 The requirments to the technical environment**

- The server part: the coincided with minimum queries target DB
- The client part: coincided with minimum queries target ORB

## **5 Product Set**

### **5.1 Distribution Set**

- Source code.

- Source code of demos.
- Documentation Set.

## 5.2 Executable and Libraries Set

- Service as executable file
- Library for embedding server part of service into end-user application with collocated UAKGQuery calls
- Client side library
- Set of IDL files, described access interfaces.
- Set of Facade C++ header files, for easy access to UAKGQuery data structures.

## 5.3 Documentation Set

1. UAKGQuery: General Description.
2. UAKGQuery: Administration Guide.
3. UAKGQuery: Programmer Guide.
4. UAKGQuery: API description.

General Description, Administration Guide and Programmer Guide are supplied in pdf and html format in english and russian.

API Guide is supplied in html format in english.

## 6 History of changes

- 29.01.2002 - second edition.
- 06.06.2001 - review.
- 03.11.2000 - first edition.
- 14.12.2000 - review, translated into english.
- 22.12.2000 - file name changed, added DistributionSet.