

UIP Specification Change Summary

Changes made to the UIP Specifications based upon the 26 June versions

Round 1 (Specifications distributed for review 12 Oct)

- 1) Support for String DAG
The operation "complete_StringDAG_results" will be added to the SubmitQueryRequest and SubmitStandingQueryRequest interfaces.
- 2) Removal of support for StringTable and NameValueTable forms of query results
The operations "complete_table_results" and "complete_StringTable_results" will be removed from the SubmitQueryResults interface. The operation "complete_table_results" will be removed from the SubmitStandingQueryRequest interface. The definitions of NameValueTable and StringTable will be removed from UCOS.
- 3) Support for "email bounced" FTP and HTTP order retrieval
The values "EMAILFTP" and "EMAILHTTP" will be added to the GIAS datatype DestinationType. For both of these values a case will be added to GIAS::Destination. These new cases will be of typeUCO::EmailAddress.
- 4) Support for create in non-default Library
A parameter of type string (in string library) will be added to the CreationMgr::create and CreationMgr::create_metadata operations to allow a product to be created in other than the default library. A null value for this parameter (zero length string) will be interpreted as "create in the default library"
- 5) Support for the persistence of hitcounts
The operation "new_submitted_hitcount" will be added to the PS::GIASProfile interface. Also an additional parameter of type GIAS::RequestList will be added to the operation PS::GIASProfile::new_submitted_query to allow hitcounts to be associated with the corresponding query.
- 6) Support for the persistence of complex queries
The operations "new_saved_complex_query" and "update_saved_complex_query" will be added to the PS::GIASProfile interface.
- 7) Restructuring of Colon Rule and its use
The Colon rule defined in the GIAS BQS chapter will be restructured to remove the "simple form" option. The definition will also clarify that the Colon rule applies to all uses of logical attributes, not just Queryable attributes. Also the DataModelManager (DMM) definitions will be modified to indicate that the logical attributes returned by the DMM conform to the Colon rule.
- 8) Support for priority in GIXS request_tilable
The additional parameter priority will be added to the XBS::request_tilable operation.
- 9) Minor fixes
Spelling errors (in BQS BNF and exception constants)

Round 2 (based on proposal from 17 Oct ICWG. Specifications and emails distributed on 23/24 Oct)

- 1) Inserted definitions, valid datatypes and domains for the ConceptualAttributes
- 2) Changed ConceptualAttribute DIRECTACCESSINDICATOR to DIRECTACCESSPROTOCOL
- 3) Added emphasis that the applicable operations of DataModelMgr return attributes using the Dot notation syntax.
- 4) Removed an redundant parameter (viewName) from the following operations:
 - CatalogMgr::submit_query
 - CatalogMgr::hit_count
 - StandingQueryMgr::submit_standing_query
 - QueryOrderMgr::submit_query_order
 - UpdateMgr::update_by_query
 - IngestMgr::bulk_push

When the Query structure was converted to include both the BQS and a viewName, the existing viewName parameter for these operations was mistakenly not removed.

- 5) Changes to complex query to document scope of result and sortable attributes

**Round 3 as of 26 Oct (based on proposals received after 17 Oct ICWG)
(Specifications to be distributed with this note)**

- 1) Removed root_view_name as an input parameter to the complex query operations
- 2) Moved a misplaced paragraph in QueryOrderMgr
- 3) Added definition of a DeliveryManifestList (a sequence of DeliveryManifest)
- 4) Changed the complete operation of SubmitQueryOrderRequest to return a DeliveryManifestList (formerly a DeliveryManifest)

Round 4 as of 29 Nov (based on proposals received at 28-29 Nov ICWG)

- 1) Added home_directory parameter to get_manager operation to support future Global Catalog ConOps
- 2) Removed duplicate ViewName parameters from Profile Service SavedQuery structures and operations.
- 3) Created separate IDL files.

Round 5 as of 22 Jan (based on proposals received prior to 23-24 Jan ICWG)

- 1) Changed create_metadata to use StringDAG versus DAG
- 2) Added complete_StringDAG operation GetParametersRequest
- 3) Added support for saving hitcount-query relationships to Profile Service
 - a) Added SUBMITTED_HIT_COUNT to FolderItemType
 - b) Added SubmittedHitCount struct
 - c) Added a RequestList to Submitted Queries struct to hold associated HitcountRequests
- 4) Added support for complex queries to Profile Service
 - a) Added SAVED_COMPLEX_QUERY and SUBMITTED_COMPLEX_QUERY to FolderItemType
 - b) Added Saved ComplexQuery struct
- 5) Added home_directory parameter to get_other_libraries

Round 6 as of 7 Feb (based on proposals received after the 23-24 Jan ICWG)

- 1) Removed note #2 from the stringDAG encoding rules in UCO. Refined text to clarify parsing rules for "<" and ">" characters.
- 2) Fixed inconsistency between UCOS body (correct) and appendix/IDL files (error) for the datatype of savedOrders in Profile Service.

Round 7 as of 16 Feb (based on proposals prior to after the 27-28 Feb ICWG)

- 1) Removed support for complex queries and orders from GIAS and Profile Service:

Removed from GIAS

QueryTree struct
StandingQueryMgr::submit_standing_complex_query
CatalogMgr::submit_complex_query
CatalogMgr::hit_count_complex
QueryOrderMgr::submit_complex_query_order

Removed from Profile Service

complex fields from FolderItemType

struct SavedComplexQuery and SavedComplexQueryList
GIASProfile::new_saved_complex_query
GIASProfile::update_saved_complex_query

Round 8 as of 19 March (based on rebaselining activities)

- 1) Generate two versions of GIAS and UCO specifications (GIAS 3.5.1/3.5.2 and UCO 1.5.1/ 1.5.2) .
GIAS 3.5.2 and UCO 1.5.2 correspond exactly to revision 7 above with a version and data change.
GIAS 3.5.1 and UCO 1.5.1 contain some but not all of the changes included in revision 7. Specifically:

GIAS

- 1) The “email bounced” FTP and HTTP order capability is NOT included
- 2) Support for “create” in non-default library is NOT included
- 3) The definitions, valid datatypes and domains for ConceptualAttributes ARE included. These definitions have been made consistent with item 4 below
- 4) Support for the DIRECTACCESSPROTOCOL ConceptualAttribute is NOT included. The earlier DIRECTACCESSINDICATOR ConceptualAttribute IS included.
- 5) The definition of DeliveryManifestList IS included., however it is not used by any operation.
- 6) The return value of SubmitQueryOrderRequest is a DeliveryManifest (vice a DeliveryManifestList). The definition of the contents of this single DeliveryManifest is as proposed by NIMA Library (i.e. accumulates until complete() is called)
- 7) The “home_directory” parameter for get_manager and get_other_libraries operations is NOT included.
- 8) Support for a StringDAG in create_metadata is NOT included.
- 9) Support for StringDAG for GetParametersRequest IS included in addition to support for DAG.

UCO

- 1) Support for the persistence of hitcounts and the association of hitcounts with queries in the Profile Service is NOT included

Round 9 as of 4 April (based on proposals at the 3 April ICWG)

The differences between the two versions of the specifications developed in Round 8 have been eliminated. There is now a single version of each spec (GIAS 3.5.1 and UCO 1.5.1). The contents of this converged specs are:

GIAS

- 1) The “email bounced” FTP and HTTP order capability is NOT included
- 2) Support for “create” in non-default library IS included
- 3) The definitions, valid datatypes and domains for ConceptualAttributes ARE included. These definitions have been made consistent with item 4 below
- 4) Support for the DIRECTACCESSPROTOCOL ConceptualAttribute is included.
- 5) The definition of DeliveryManifestList IS included.
- 6) There are now two operations for SubmitQueryOrderRequest: “complete” and “complete_list” one returns a DeliveryManifest and one returns a DeliveryManifestList.
- 7) The “home_directory” parameter for get_manager and get_other_libraries operations is NOT included.
- 8) Support for a StringDAG in create_metadata is NOT included.
- 9) Support for StringDAG for GetParametersRequest IS included in addition to support for DAG.

UCO

- 1) Support for the persistence of hitcounts and the association of hitcounts with queries in the Profile Service IS included in a way to allow optional use:
 - a) there are now two operations “new_submitted_query” and “new_submitted_query_and_hitcount”
 - b) there are now two structures “SubmittedQuery” and “SubmittedQueryAndHitCount”

- c) The value SUBMITTED_QUERY_AND_HIT_COUNT has been added to FolderItemType
- 2) A parameter to include an updated thumbnail_location has been added to the "update_saved_query" operation

Round 10 as of 17 April (based on telecon/email 12 April)

- 1) The additional operational parameter of the create and create_metadata operations (in string library) have been removed. This capability will be supported via a property of these same operations.
- 2) The UCO spec is unchanged except for the file name and date to keep in sync with GIAS.

Round 11 as of 18 May (based on 15-16 May ICWG)

- 1) The thumbnail_location parameter has been removed from update_saved query and new_saved_query in the Profile Service.
- 2) The Implementation Discovery Service has been removed from the UCOS document.
- 3) The UCO::Buffer structure was changed to support the stricter enforcement of the IDL specification by the Orbix2000 IDL compiler :
 - a) the anonymous sequences were removed and made typedef'ed sequences
 - b) the case fields were renamed from xx_data to xx_buffer to avoid name conflicts with the BufferType values
- 4) The data field of the CompressedImage structure was changed from an anonymous sequence to an octetList (also to support the Orbix2000 IDL compiler)

Note: Are the Buffer or the SimpleGSImage, SimpleCImage (which use Buffer) or CompressedImage structs actually used by any program?

- 5) The GIAS specification is unchanged except for the date and rev number to stay in sync with the UCOS spec.

Round 12 as of 25 May (based on comments received after 15-16 May ICWG)

- 1) Corrected the omitted Joint Control markings for the relevant paragraphs in GIAS and UCOS
- 2) Removed the Colon Rule from section 4.4.6 of the GIAS spec since this rule has been documented in the UIP. Kept the references in other portions of the GIAS that point to 4.4.6 in order to have consistent application of the UIP defined rule.
- 3) Removed a space from the UnknownProfileElementType exception string constant in ps.idl file
- 4) Removed the unnecessary "include" of "uid.idl" in the profile service IDL.

Approved via RFC N01-0268 on 6 August 2001

- 1) The UID::Product in the StringDAG struct is wrapped in a CORBA "any" due to a specific ORB interoperability problem identified during EIT.