CGS-WG Session #2

GGF-11
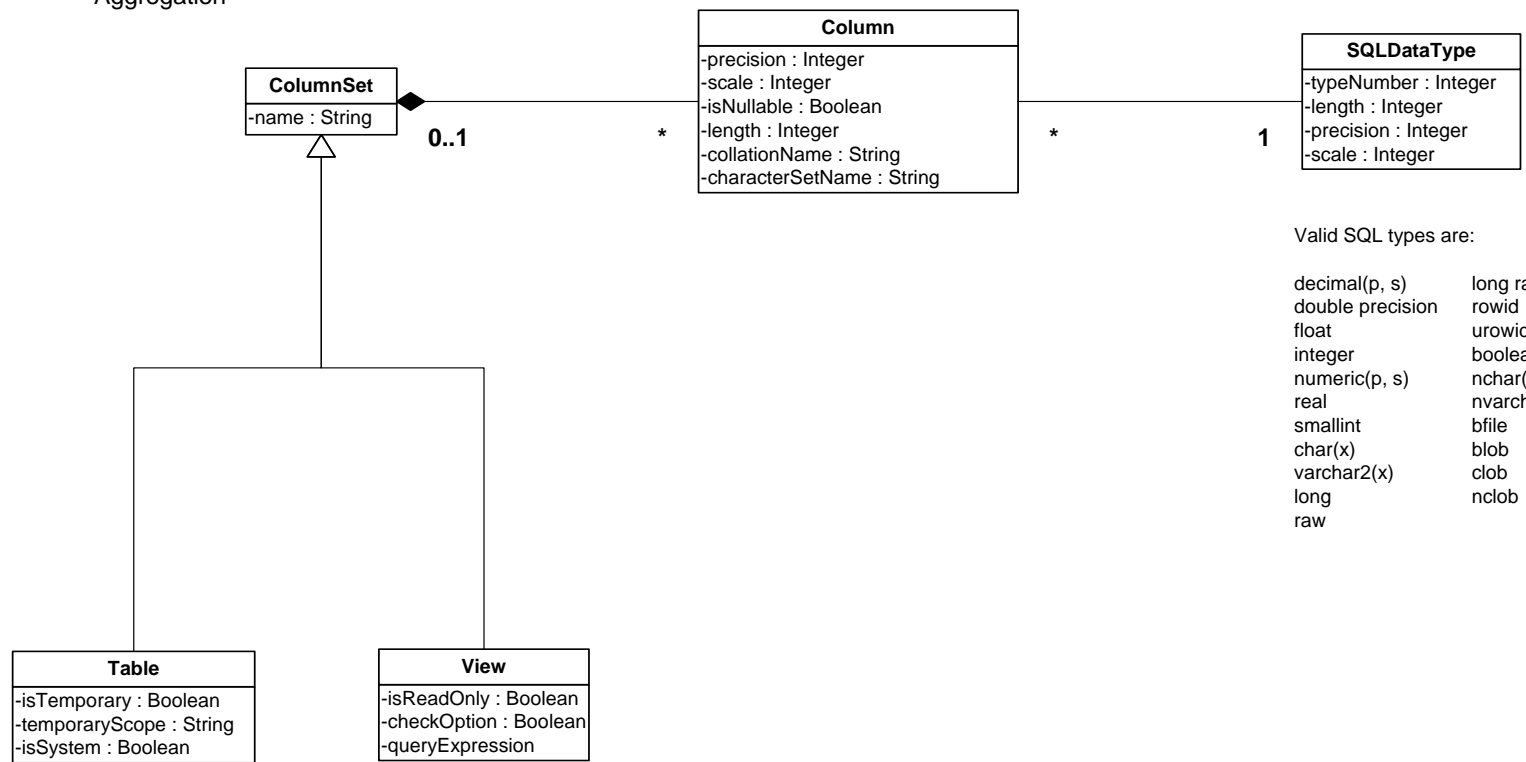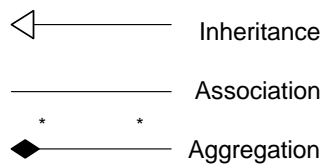
Honolulu, Hawaii
June 2004

CGS-WG Status

- Job Submission Information Model
  - Document in 30-Day Public Comment Period
    - http://www.ggf.org/Public_Comment_Docs/Public_Comment_Documents.htm
  - **Everyone review and click "Make Comment"**

- Software Resource Information Model
  - Work in progress
  - Current model draft at
    https://forge.gridforum.org/docman2/ViewCategory.php?group_id=61&category_id=736

Agenda

- GGF IP Policy and Sign-In Sheet

- Review SRIM Open Issues

- Work plan leading up to GGF12

Software Resource Information Model
(Database Logical Schema)
Draft 12-May-2004

◁──────── Inheritance

───────── Association

◆──────── Aggregation

ColumnSet

-name : String

Column

-precision : Integer
-scale : Integer
-isNullable : Boolean
-length : Integer
-collationName : String
-characterSetName : String

0..1   *   *   1

SQLDataType

-typeNumber : Integer
-length : Integer
-precision : Integer
-scale : Integer

Valid SQL types are:

decimal(p, s)   long raw
double precision   rowid
float   urowid
integer   boolean
numeric(p, s)   nchar(x)
real   nvarchar2(x)
smallint   bfile
char(x)   blob
varchar2(x)   clob
long   nclob
raw

Table

-isTemporary : Boolean
-temporaryScope : String
-isSystem : Boolean

View

-isReadOnly : Boolean
-checkOption : Boolean
-queryExpression

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Open Issues

- Security
  - DMTF confirms that Open Source CIMOM's do not support more than all/none authentication.
  - Some commercial CIMOM's have more sophisticated security.
  - A hook to do authentication of the user inside the database is possible, but there would be no way to get the user's password. This needs more thought.

Open Issues

- Replication
  - How detailed do we want our model?
  - Use Case?

Open Issues

- Stored Procedures
  - Should these be included?
  - Names, types, parameter types and description?
  - Use Case?

Open Issues

- Triggers
  - Include these? In what form?
  - Use Case?

Open Issues

- Indices
  - Include in the model?
  - At what level of detail?
  - Use Case?

Open Issues

- Data type handling
  - Should we model only basic, or more complex SQL types?

Open Issues

- XML Database
  - Should we try to include support for XML at this time?
  - What "standard" to use as a basis?

Going Forward

- Work plan leading up to GGF12
    - Bi-weekly telecons
    - Mail list
    - New model draft to resolve current issues

(real time input from Norman Paton)

```
<class name="disk>
  <property name="maker"> IBM </property>
  <property name="capacity">1234</property>
</class>


<complexType name="class">
  <sequence>
    <element name="property" type = "xsd:any"
                                maxOccurs="unbounded"/>
  </sequence>
</complexType>
```

(real time input from Norman Paton)

```
<disk>
  <maker>IBM</maker>
  <capacity>345</capacity>
</disk>

<complexType name="disk">
  <sequence>
    <element name="maker" type="xsd:string"/>
    <element name="capacity" type="xsd:int"/>
    …
  </sequence>
</complexType>
```