Infrastructure - Task #1590

Feature # 1577 (Closed): use tables for storing System Metadata in Metacat

Task # 1579 (Closed): create additional tables

create replica policy table

2011-05-24 23:28 - Ben Leinfelder

Status:	Closed	**Start date:**	2011-05-24
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	100%
Category:		**Estimated time:**	0.00 hour
Target version:	Sprint-2011.23-Block.3		
Milestone:		**Story Points:**	
Product Version:	*		
Description			

History

#1 - 2011-05-26 19:45 - Ben Leinfelder

This is a bit trickier in that it has nested one-to-many. My first proposal flattens it into a single table where the attributes (replicationAllowed and numerReplicas) are duplicated when we have multiple preferred and/or blocked nodes:

CREATE TABLE systemMetadataReplicationPolicy (
guid text, -- the globally unique string identifier of the object that the system metadata describes
preferred_member_node VARCHAR(250), -- preferred replication member node
blocked_member_node VARCHAR(250),   -- blocked replication member node
allowed boolean,   -- replication allowed
numer_replicas INT8,   -- the number of replicas allowed

CONSTRAINT systemMetadataReplicationPolicy_fk
FOREIGN KEY (guid) REFERENCES systemMetadata
);

#2 - 2011-05-26 20:15 - Ben Leinfelder

A better approach:
1.) move these attributes to systemMetadata:
* ALTER TABLE systemMetadata ADD COLUMN replication_allowed boolean;
* ALTER TABLE systemMetadata ADD COLUMN number_replicas INT8;

2.) then make the policy table more flexible:
CREATE TABLE systemMetadataReplicationPolicy (
guid text, -- the globally unique string identifier of the object that the system metadata describes
member_node VARCHAR(250),   -- replication member node
policy text,   -- the policy (preferred, blocked, etc...TBD)
CONSTRAINT systemMetadataReplicationPolicy_fk
FOREIGN KEY (guid) REFERENCES systemMetadata
);

#3 - 2011-05-27 04:13 - Ben Leinfelder

- Status changed from New to In Progress

- % Done changed from 0 to 80

almost done testing this implementation locally

#4 - 2011-05-27 16:46 - Ben Leinfelder

- Status changed from In Progress to Closed

- % Done changed from 80 to 100