

Grouper clob database type

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In Grouper 2.5.0 patches we will support large text widths in the database.

Different databases handle this differently. And it is less efficient than a varchar(4k). So

1. Have a varchar(4k) for data less than that
2. Have a column for larger data

Database	Large text column type	Max storage	DDLUtils	Hibernate	Notes
Oracle	clob	4gig	yes	yes though might need a different mapping file	
Postgres	varchar	10meg	no	yes with String	if we need more space, text goes up to a gig
Mysql	mediumtext	16meg	no	yes with String	if we need more space, longtext up to 4 gig
Hsql	clob	16meg	yes	yes though might need oracle mapping file	

Database	DDL
Oracle	<pre>ALTER TABLE grouper_config ADD config_value_clob clob; ALTER TABLE grouper_config ADD config_value_clob_bytes integer;</pre>
Postgres	<pre>ALTER TABLE grouper_config ADD COLUMN config_value_clob varchar(10000000); ALTER TABLE grouper_config ADD COLUMN config_value_clob_bytes BIGINT;</pre>
Mysql	<pre>ALTER TABLE grouper_config ADD COLUMN config_value_clob mediumtext; ALTER TABLE grouper_config ADD COLUMN config_value_clob_bytes BIGINT;</pre>
Hsql	<pre>ALTER TABLE grouper_config ADD COLUMN config_value_clob clob; ALTER TABLE grouper_config ADD COLUMN config_value_clob_bytes BIGINT;</pre>

3. Have a column with size of larger data column (which also indicates that the larger column is being used)
4. Note we can base64 encode binary data in here if needed

Use this for config in database, attributes, etc