Synnefo - Bug # 3645

Status:	Resolved	**Priority:**	Medium
Author:	Sofia Papagiannaki	**Category:**	Pithos
Created:	04/22/2013	**Assignee:**	Sofia Papagiannaki
Updated:	07/03/2013	**Due date:**	
Subject:	String literal escape database warning in postgresql		

Description

Pithos requires to escape SQL wildcards in order to permit such characters in object paths.

Therefore, uses backslashes to escape like patterns

Issue #1768

However, Postgresql 8.4, contrary to the SQL standard, treats dy default baskslashes as escape characters

(this has been changed since postgresql 9.1 - standard_conforming_strings has become on dy default)

http://stackoverflow.com/questions/2106207/escape-sql-like-value-for-postgres-with-psycopg2#answer-2106443

As a result, it produces the following output:

WARNING: nonstandard use of \\ in a string literal at character 101

HINT: Use the escape string syntax for backslashes, e.g., E'\\'.

for SQL statements (constructed by sqlalchemy) such as:

    SELECT nodes.node
      FROM nodes
      WHERE nodes.path LIKE E'c18088be-16b1-4263-8180-043c54e22903' ESCAPE '\\'

The proposed solutions are:
  - pithos to use an escape character other than the backslash
    (that has a different behavior among the different databases)
    as proposed also here:
    http://www.postgresql.org/docs/8.4/static/sql-syntax-lexical.html#AEN1313

or

  - to turn off postgresql escape_string_warning:
    http://www.postgresql.org/docs/8.4/static/runtime-config-compatible.html#GUC-ESCAPE-STRING-WARNING

Associated revisions

Revision 235a4227 - 04/22/2013 01:31 pm - Sofia Papagiannaki

pithos: use other db escape string literal character

Refs: #3645

History

#1 - 07/03/2013 10:39 am - Sofia Papagiannaki

- Status changed from Assigned to Resolved