

## Need some MySQL query help...

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I am working on a set of Perl scripts, along with some PHP web pages, to help organize and automate user account creation in a large HP-UX environment. I am currently writing a few scripts to gather all of the existing user account data from every system and populate a couple of database tables. One feature I am working on is to have a history table to track all changes to user accounts.

I am currently working on the logic of the script that populates the database tables and what I am attempting to do is compare the existing passwd entry to the current database entry. The Primary Key on the current table (acct\_db) is a combination of userID and hostname. I want the query to match the Primary Key, and compare all of the data in the passwd file to the data in this table. Assuming the data is all a match, nothing happens, the script simply proceeds to the next entry. If however there is a difference, the script should delete the entry and populate this same entry into the history table (acct\_hist) and also insert the new data into the current table.

This is where I am currently running into problems. I am not sure exactly how to test for inequality of all the variables in the passwd file. I was hoping to have a single MySQL query do the test in order to use it to help simplify the Perl code. The SELECT statement is where I think I am going wrong here. Here is the code loop that processes the passwd file data:

```
while ($file = readdir(DATA)) {
  if ($file =~ /passwd/) {
    ($host) = split /\./, $file, 2;
    print "Password file for $host found. Now processing...\n";
    open(FILE, "/usr/local/mysql/tmp_data/$file");
    while ($entry = <FILE>) {
      ($name, $passwd, $uid, $gid, $gcos, $home, $shell) =
split(/:/,$entry);
      if ($uid > 100) {
        $key1 = "$name"."-".$host";
        my $stest = $dbh->prepare("SELECT * FROM acct_db WHERE key1 = '$key1'
AND (uid <> '$uid' OR gid <> '$gid' OR gcos <> '$gcos' OR home <> '$home' OR
shell <> '$shell')");
```

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```
$test->execute ();
$rows = $test->rows;
if ($rows == 0) {
    $dbh->do("INSERT INTO acct_db
VALUES('$key1','$uid','$gid','$gcos','$home','$shell',NOW())")
or print "Error updating database: ", $dbh->errstr, "\n";(
    print "Adding $key1 to password database. \n";
    } elsif ($rows == 1) {
    print "$key1 already in database. Updating entry now.\n";
    } else {
    print "Error. \n";
    }
}
}
}
```

Thanks in advance for any help.

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