資料庫備份

1. 連結mysql資料庫系統並指定資料庫

database\_link.php

<?php

// 資料庫登入設定

$host = "localhost"; //主機IP

$username = "root"; //使用者帳號

$password = ""; //使用者密碼

$database\_name = "t123"; //指定資料庫名稱

// 登入並設定字元型態

$conn = mysqli\_connect($host, $username, $password, $database\_name);

$conn->set\_charset("utf8");

//mysqli\_query($conn, "SET NAMES UTF8");

// 取得資料庫中所有資料表名稱並放入資料表名稱陣列中

$tables = array();

$sql = "SHOW TABLES";

$result = mysqli\_query($conn, $sql);

echo $database\_name."資料庫中的資料表列示如下:<br>";

while ($row = mysqli\_fetch\_row($result))

{

$tables[] = $row[0];

echo $row[0]."<br>";

}

?>

1. 建立各資料表的結構及表中資料備份的語法

tab\_data\_set.php

<?php

$sqlScript = ""; //建立sql語法的描述

foreach ($tables as $table)

{

// 準備 建立資料表結構的 SQLscript

$query = "SHOW CREATE TABLE ".$table;

$result = mysqli\_query($conn, $query);

$row = mysqli\_fetch\_row($result);

$sqlScript .= "\n\n" . $row[1] . ";\n\n";

$query = "SELECT \* FROM $table";

$result = mysqli\_query($conn, $query);

$columnCount = mysqli\_num\_fields($result);

// 準備設定每一個資料表中所有資料的 SQLscript

for ($i = 0; $i < $columnCount; $i ++)

{

while ($row = mysqli\_fetch\_row($result))

{

$sqlScript .= "INSERT INTO $table VALUES(";

for ($j = 0; $j < $columnCount; $j ++)

{

$row[$j] = $row[$j];

if (isset($row[$j]))

{

$sqlScript .= '"' . $row[$j] . '"';

}

else

{

$sqlScript .= '""';

}

if ($j < ($columnCount - 1))

{

$sqlScript .= ',';

}

}

$sqlScript .= ");\n";

}

}

$sqlScript .= "\n";

}

?>

1. 建立備份檔(\*.sql)

creat\_backupfile.php

<?php

if(!empty($sqlScript))

{

//建立備份檔

//$backup\_file\_name = $database\_name . '\_backup\_' . time() . '.sql';

$backup\_file\_name = $database\_name . '.sql';

$fileHandler = fopen($backup\_file\_name, 'w+');

$number\_of\_lines = fwrite($fileHandler, $sqlScript);

fclose($fileHandler);

// 將備份檔顯示在瀏覽器

/\*

header('Content-Description: File Transfer');

header('Content-Type: application/octet-stream');

header('Content-Disposition: attachment; filename=' . basename($backup\_file\_name));

header('Content-Transfer-Encoding: binary');

header('Expires: 0');

header('Cache-Control: must-revalidate');

header('Pragma: public');

header('Content-Length: ' . filesize($backup\_file\_name));

ob\_clean();

flush();

readfile($backup\_file\_name);

exec('rm ' . $backup\_file\_name);

\*/

}

?>

下面我們將三個程式碼結合在一起，如下：