

Database migration

A client that switched from their old CRM to ours needed to migrate their database to our system.

We received a sample of their data in an Excel file, which allowed us to first analyze the feasibility of the migration and be fully prepared for the final migration day.

I decided to log the old IDs and their new counterparts in a separate file. This allowed us to reuse them later and ensured we wouldn't need to process the same row again in case of a crash or if the script took too long to execute and timed out (some files contained more than 60,000 rows).

```
$tab = [  
  'raison_sociale_1' => $row[1],  
  'telephone' => $row[2],  
  'email' => $row[3],  
  'site_web' => $row[15],  
  'siret' => $row[16],  
  'code_ape_naf' => $row[17],  
  'commentaire' => $row[26],  
]
```

Building an associative array with reusable fields.

```
switch ($row[10]) {  
  case 'BANQUES ET ASSURANCES':  
    $tab['id_compte_type_activite'] = 9;  
    break;  
  case 'SERVICE':  
    $tab['id_compte_type_activite'] = 11;  
    break;  
  case 'TRANSPORT':  
  case 'AUTOCARISTES':  
  case 'AUTOMOBILE':  
    $tab['id_compte_type_activite'] = 2;  
    break;  
  case 'AGENCES EVENEMENTIELLES':  
    $tab['id_compte_type_activite'] = 1;  
    break;  
  case 'PRESSE':  
    $tab['id_compte_type_activite'] = 13;  
    break;  
  case 'ASSOCIATION':  
  case 'ASSOCIATIONS SPORTIVES':  
    $tab['id_compte_type_activite'] = 15;  
    break;  
  case 'LABORATOIRES':  
    $tab['id_compte_type_activite'] = 14;  
    break;  
}
```

From string to foreign key.

```

if($row[8] == 'Inactif'){
    $tab['etat'] = 0;
}else {
    $tab['etat'] = 1;
}
$idt = $comptes_manager->add($tab);
if ($idt) {
    $ref = $idt.transforme_en_ref($row[1]);
    $comptes_manager->update(['reference'=>$ref],$idt)
    $log_ids[$idt] = $row[0];
    $fp = fopen('logs/logIds.csv', 'a');
    fputcsv($fp, [$idt,$row[0]], ';');
    fclose($fp);
}

```

1	94;1
2	95;3
3	96;5
4	97;7
5	98;9
6	99;11
7	100;15

Example of logs.