

## Au quotidien - Bug #39858

### decimal vs bytes pickle python 3

14 février 2020 10:03 - Frédéric Péters

<b>Statut:</b>	Fermé	<b>Début:</b>	14 février 2020
<b>Priorité:</b>	Normal	<b>Echéance:</b>	
<b>Assigné à:</b>	Frédéric Péters	<b>% réalisé:</b>	0%
<b>Catégorie:</b>		<b>Temps estimé:</b>	0:00 heure
<b>Version cible:</b>		<b>Planning:</b>	Non
<b>Patch proposed:</b>	Non		

**Description**

Exception:

```
type = '<class 'TypeError'>', value = 'conversion from bytes to Decimal is not supported'
```

Stack trace (most recent call first):

```
File "/usr/lib/python3/dist-packages/wcs/sql.py", line 72, in pickle_loads
 70     if hasattr(value, 'tobytes'):
 71         value = value.tobytes()
> 72     obj = UnpicklerClass(BytesIO(force_bytes(value)), **PICKLE_KWARGS).load()
 73     if six.PY3:
 74         obj = deep_bytes2str(obj)
```

locals:

```
value =
b'\x80\x02]q\x01(cmodules.payments\nInvoiceEvolutionPart\nq\x02oq\x03}q\x04(U\x06actionq\x05U\x06createU\x06amountq\x06cdecimal\nDecimal\nq\x07U
\x0575.40\x85Rq\x08U\x0btransactionq\tNU\x02idq\nU\x1920200213-r1-f121-74571-83U\x07subjectq\x0bU
\x07Cantineuba.'
```

## Historique

### #2 - 14 février 2020 11:30 - Frédéric Péters

- Statut changé de Nouveau à Solution déployée

Évitement du module décimal écrit en C, /usr/lib/python3.5/decimal.py,

```
try:
+   raise ImportError
+   from _decimal import *
+   from _decimal import __doc__
+   from _decimal import __version__
+   from _decimal import __libmpdec_version__
except ImportError:
+   from _pydecimal import *
+   from _pydecimal import __doc__
+   from _pydecimal import __version__
+   from _pydecimal import __libmpdec_version__
```

Hack au module Python,

```
+     if isinstance(value, bytes):
+         value = value.decode('ascii')
```

Chargement/enregistrement des données concernées,

```
from wcs.formdef import FormDef

for formdef in FormDef.select():
    for formdata in formdef.data_class().select():
        print(formdata)
        for evolution in formdata.evolution:
            for part in evolution.parts or []:
                if part.__class__.__name__ == 'InvoiceEvolutionPart':
                    print(formdata)
```

```
        formdata.store()  
        break  
    else:  
        continue  
    break
```

Puis retrait des hacks.