

UUID AND U

Coping with Persistence and Transformation of Unique
Identifiers in the Java/Oracle World

ROUND TRIPPIN' ON GUIDS

Oracle to Java and Back

UUID DEFINED

de305d54-75b4-431b-adb2-eb6b9e546013

- 128-bit *practically* unique value
- No centralized coordination
- 16 *lowercase* hexidecimal digits
- Network byte order
- Has variants, versions
- Constructed using MAC address, 64-bit timestamp, 16-bit counter, or some other uniquey thing

UUID VARIANTS

xxxxxxxx-xxxx-*M*xxx-*N*xxx-xxxxxxxxxxxx

- Spec defines only one variant
- Format: 8-4-4-4-12
- *N* indicates the variant (8, 9, a, or b)
- *M* indicates the version (3, 4, or 5)

UUID VERSIONS

xxxxxxxx-xxxx-Mxxx-Nxxx-xxxxxxxxxxxx

1. MAC address & datetime
2. DCE security
3. MD5 hash & namespace
4. Random
5. SHA1 hash & namespace

UUID AND DBUNIT

To load data with a UUID:

```
<TABLE_NAME COL_NAME="uuid'00000000-0000-0000-  
0000-000000000000" />
```


YAY!

