

Agenda

- What is PEAR?
- How to Get PEAR?
- PEAR Error
- Database Abstraction with MDB2
- Database Schema Abstraction
- More MDB2 Goodness
- Wanna know more?

What is PEAR?

- Collection of high quality PHP components
- Nearly 300 packages and growing fast
- Almost 200 package maintainers, 500 developers
- 100% open source (PHP, Apache, BSD, LGPL license)
- Standardization institution
- Founded by Stig S. Bakken in 1999

How to get PEAR?

- PEAR installer shipped with PHP since 4.3.0
- For earlier PHP versions bootstrap from <http://go-pear.org>
- On *nix try
`lynx -source http://pear.php.net/go-pear | php -q`
- On Windows, save source and call PHP manually

PEAR Error

- PEAR Error provides a unified Error Handling System
- Often referred to as “Poor man's Exceptions”
- PEAR_ErrorStack offers a similar implementation
- You will see the following type of code a lot!

```
$db =& MDB2::connect($dsn);  
  
if (PEAR::isError($db)) {  
    die (__LINE__.$db->getMessage());  
}
```

Database Abstraction

- MDB2 is the result of an effort to merge PEAR::DB with Metabase
- MDB2 Offers a high level of both database abstraction and SQL abstraction.

```
$alldata = array(    array(1, 'one', 'un'),  
    ...  
    array(4, 'four', 'quatre'));  
  
$stmt = $db->prepare('INSERT INTO numbers VALUES(?,?,?)',  
    array('integer', 'text', 'text'));  
  
foreach ($alldata as $row) {  
    $stmt->bindParamArray($row);  
    $stmt->execute();  
}
```

Database Schema Abstraction

- MDB2_Schema provides a generic XML base format for defining Database Schemas
- Simple methods to compare a database with a Schema file and bring the database into sync.
- No more multiplatform .sql files
- A good way to keep track of your database in your version control system.

More MDB2 Goodness

- MDB2 provides limited subselect support to databases which don't natively support it.
- Provides a wrapper for PEAR_DB which will make MDB2 behave like PEAR_DB
- Provides an extensive driver-based backend. Providing each data base driver their own release cycle and state.
- Under active development and is in communication with PEAR_DB and PDO Devs.

Wanna know more?

- Join us at the PEAR exhibition booth!
- Come to the “PEAR and PHP5” talk:
 - 23.06.2005, 16-17:00, Practical Linux
- Join us on #pear@EFNet
- Ask on pear-general@lists.php.net



PEAR by Example

Linuxtag X, June 2005

Thanks for listening!

Hope we found some new users! :)