



# Utilizing the Power of PHP, Informix, and Zend

Manas Dadarkar  
IBM

Session Code: B04  
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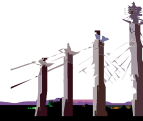


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Session Title

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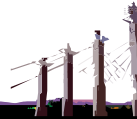
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## Agenda

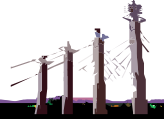
- PHP, PDO\_IBM, and PDO\_INFORMIX
- Zend Core for IBM
- Zend Framework
- Zend Studio for Eclipse
- Power of PHP, IDS, and Zend



## PHP Overview

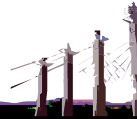


- PHP is a “general-purpose scripting language that is especially suited for Web development”
  - <http://php.net>
- PHP.NET – PHP downloads, main community portal, core libs, documentation, etc.
- Zend – Provides lifecycle PHP solutions, interpreter, defacto PHP evangelist



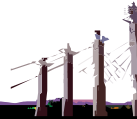
## PDO\_IBM Overview

- Package home: Pecl
- PDO based extension for IBM Informix Dynamic Server (IDS) 11 or greater
- Requires the IBM Data Server client and DRDA configuration
- Supported on PHP 5.0.3 and greater

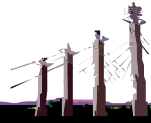
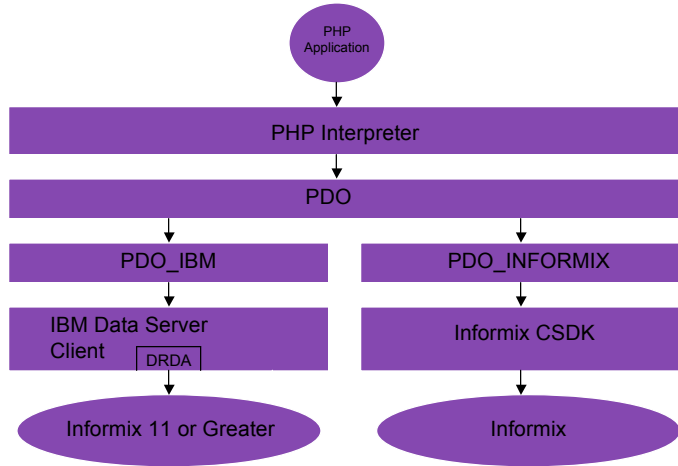


## PDO\_INFORMIX Overview

- Package home: Pecl
- PDO based extension for IBM Informix Dynamic Server
- Informix Client Software Development Kit (CSDK) is required
- Supported on PHP 5.0.3 and greater

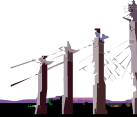


# High Level Extension Diagram



## Agenda

- PHP, PDO\_IBM, and PDO\_INFORMIX
- **Zend Core for IBM**
- Zend Framework
- Zend Studio for Eclipse
- Power of PHP, IDS, and Zend

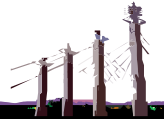




## Zend Core for IBM

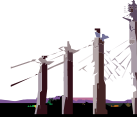


- Zend Core is a “complete stack that is built, tested, and benchmarked to ensure optimum reliability and performance”. -- <http://www.zend.com>
- Zend Core for IBM is a web application solution that combines the production quality PHP solution of Zend Core with support for IBM’s Informix Dynamic Server.



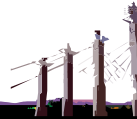
## Zend Core for IBM (2)

- Supported on the following server platforms:
  - Windows
  - Linux
  - Unix
  - i5/OS
  - Macintosh
- Entire package includes:
  - Most reliable and up-to-date PHP distribution
  - PHP extensions (including PDO\_IBM and PDO\_INFORMIX)
  - Zend Framework
  - Apache



## Agenda

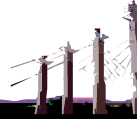
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## Zend Framework



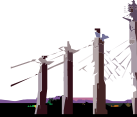
- “PHP framework that has a flexible architecture that lets you easily build modern web applications and web services.”  
-- <http://framework.zend.com>
- PHP framework that provides simplicity while providing the latest web development features including:
  - AJAX support through JSON
  - Web services
  - Object Oriented practices



## Zend Framework (2)



- Zend\_Db provides a simple SQL database interface that supports access to the Informix Dynamic Server through the PDO\_IBM PHP extension
- Includes interfaces for:
  - Connections
  - Generic statements
  - Select statements
  - Tables
  - Rows in a table
  - Rowsets from a query
  - Table relationships



## Zend Framework (3)



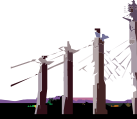
```
<?php
require_once 'Zend/Db/Adapter/Pdo/Ibm.php'

// Connect to Informix
$db = new Zend_Db_Adapter_Pdo_Ibm(array(
    'host' => '127.0.0.1',
    'username' => 'user',
    'password' => 'xxxxxxx',
    'dbname' => 'databaseName'
));

// Create a select statement
$select = $db->select();
$select->from('tableName');
$select->where('price > 327.82');

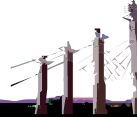
// Get the result from the select statement
$stmt = $db->query($select);
$result = $stmt->fetchAll();

// Query the table using Zend_Db_Table
$tableName = new Zend_Db_Table();
$row = $tableName->fetchRow($tableName->select()->where('price > ?', 327.82));
?>
```



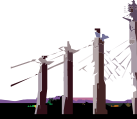
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## Zend Studio for Eclipse

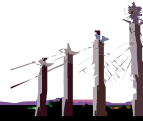
- Powerful Integrated Development Environment (IDE) for developing, debugging, deploying, and managing PHP web applications
- Utilizes Eclipse, Zend, and PHP Developer Tools (PDT)
  - Eclipse is one of the most popular IDE's in use today



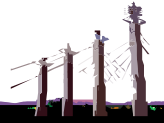
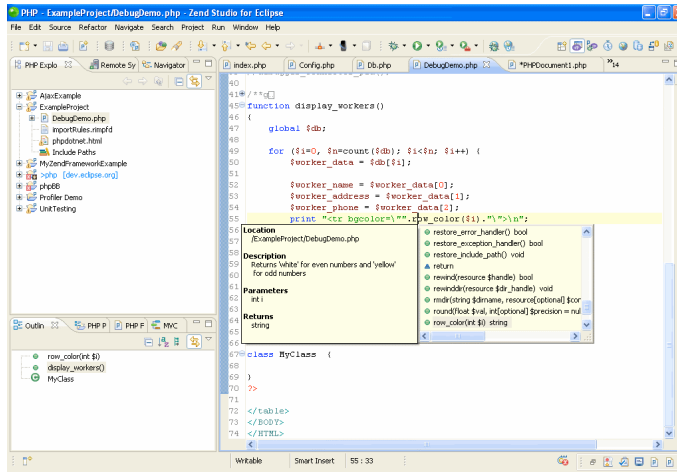


## Zend Studio for Eclipse (2)

- Provides all of the following:
  - rich PHP code editing
  - debugging capabilities
  - code coverage utilities
  - PHPUnit support
  - code control support (including CVS and SVN)
  - management utilities
  - deployment functionality

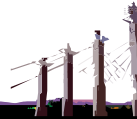


# Zend Studio for Eclipse (3)



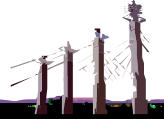
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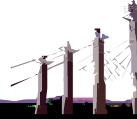
## Power of PHP, IDS, and Zend

- PHP provides a fast, stable, secure, and easy to use open source web-scripting language.
- IDS provides an exceptionally easy to manage server that maintains high availability and blazing online processing capabilities.
- Zend provides a robust PHP framework and a complete PHP development environment that is packaged in an easy to deploy installer



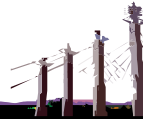
## Power of PHP, IDS, and Zend (2)

- The combination of PHP, Informix Dynamic Server, and the Zend products provide a complete production development environment.
- Nothing else is needed for any part of the web application development process



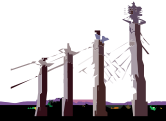
## Recap

- PHP, PDO\_IBM, and PDO\_INFORMIX
- Zend Core for IBM
- Zend Framework
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- Power of PHP, IDS, and Zend



## Thank You

- Questions?
- Comments?



## References

- <http://www-306.ibm.com/software/data/informix/>
- <http://php.net>
- <http://pecl.php.net>
- [http://www.pecl.php.net/package/PDO\\_IBM](http://www.pecl.php.net/package/PDO_IBM)
- [http://www.pecl.php.net/package/PDO\\_INFORMIX](http://www.pecl.php.net/package/PDO_INFORMIX)
- <http://www.zend.com>
- <http://www.zend.com/products>
- <http://framework.zend.com>

