

# PHP + Firebird

Firebird Conference 2019, Berlin, 17. - 19. October

# Firebird Conference 2019

Berlin, 17-19 October



YOUR PREMIER SOURCE OF FIREBIRD SUPPORT

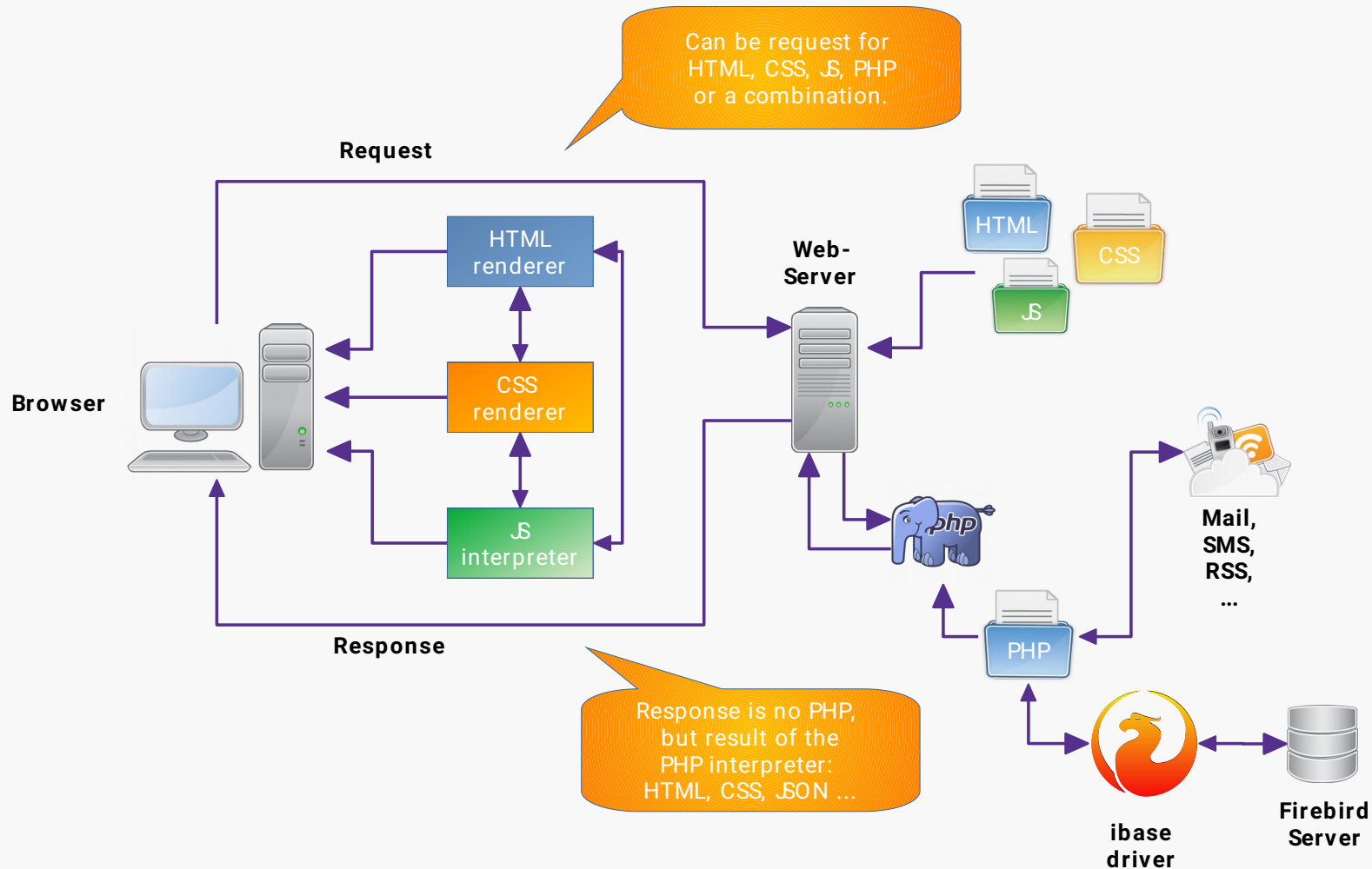
# IBSurgeon



# Agenda

- How does it work?
- How to get started?
- Start development using ibase driver
- Using a framework – Zend Framework
- Future of the PHP driver

# How does it work?



# How to get started?

- Check the PHP environment
- Install ibase extension
- Install correct fbclient library
- Restart web server
- Check loaded PHP modules
- php.ini

# php.ini

- Core section
  - `display_errors = On` (development only)
  - `display_startup_errors = On` (development only)
  - `date.timezone = 'Europe/Berlin'`
- Firebird specific
  - `ibase.timestampformat = "%Y-%m-%d %H:%M:%S"`
  - `ibase.dateformat = "%Y-%m-%d"`
  - `ibase.default_charset = "UTF8"` (optional)

# Start development using the ibase driver

- Demos
  - Connect database
  - Error handling
  - Transactions
  - Statements
  - Using services

# Using a Framework

- Object oriented
- Integrated DB adapters
- Modules
- Speedup of development
- Learning curve



# Zend Framework I

```
// Start a transaction explicitly.
$db->beginTransaction();

try {
    // Attempt to execute one or more queries:
    $db->query(...);
    $db->query(...);

    // If all succeed, commit the transaction and all changes are committed at once.
    $db->commit();
} catch (Exception $e) {
    // Rollback on error
    $db->rollBack();
    echo $e->getMessage();
}
```

# Zend Framework I - advantages

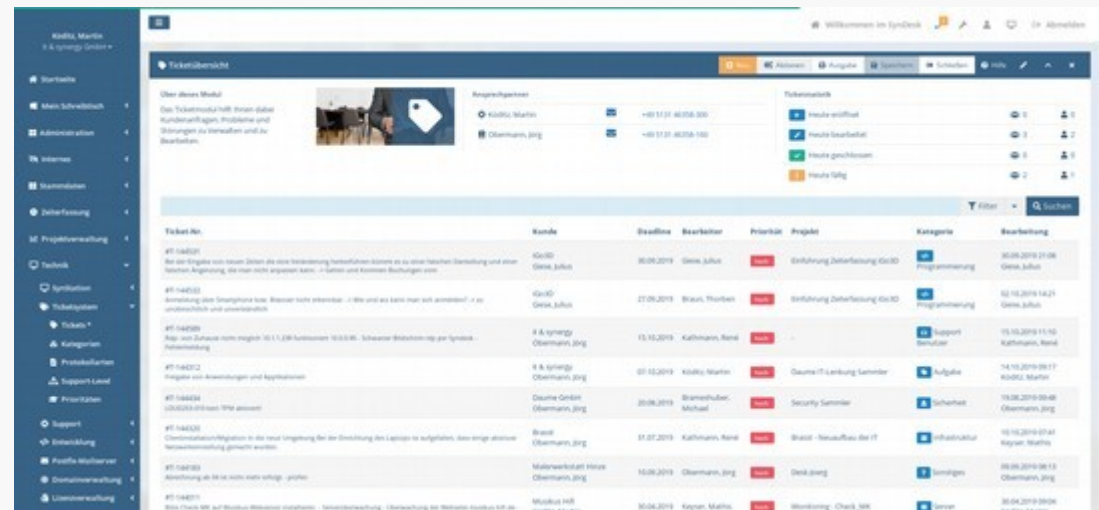
- Object oriented
- Modules
- Reusable code

# Zend Framework I - disadvantages

- ZendX extension
- EOL

# Application based on Zend Framework and Firebird

- SynDesk ERP
  - Multi client
  - Multi user
  - Web based
  - Responsive
  - Etc.



# Frameworks

- Cake PHP
- Zend Framework III
- Yii
- Symphony
- Laravel
- CodeIgniter

# Future of the Firebird PHP driver

- New maintainer: Martin Köditz
- ibase driver moved from PHP core to PHP PECL
- Integration in FirebirdSQL as submodule
- Development independent of PHP community
- Replace Interbase identifiers

# Summary

- How does it work?
- How to get started?
- Start development using ibase driver
- Using a framework – Zend Framework
- Future of the PHP driver

# Helpful resources

- [https://firebirdsql.org/file/documentation/reference\\_manuals/fbdevgd-en/html/fbdevgd30-php.html](https://firebirdsql.org/file/documentation/reference_manuals/fbdevgd-en/html/fbdevgd30-php.html)
- [firebirdforum.de](http://firebirdforum.de)
- Mailing list Firebird-PHP