# PHP-1701-A

By:

## Adam Culp
Twitter: @adamculp

# PHP-1701-A

- **About me**

  - OSS Contributor

  - PHP Certified

  - Zend Certification Advisory Board

  - PHP-Fig voting member (IBM i Toolkit)

  - Consultant at Zend Technologies

  - Organizer SoFloPHP (South Florida)

  - Organizer SunshinePHP (Miami)

  - Long distance (ultra) runner

  - Photography Enthusiast

  - Judo Black Belt Instructor

- **About me**

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  - Judo Black Belt

I am the
PHP Ninja!!!

- **Fan of iteration**
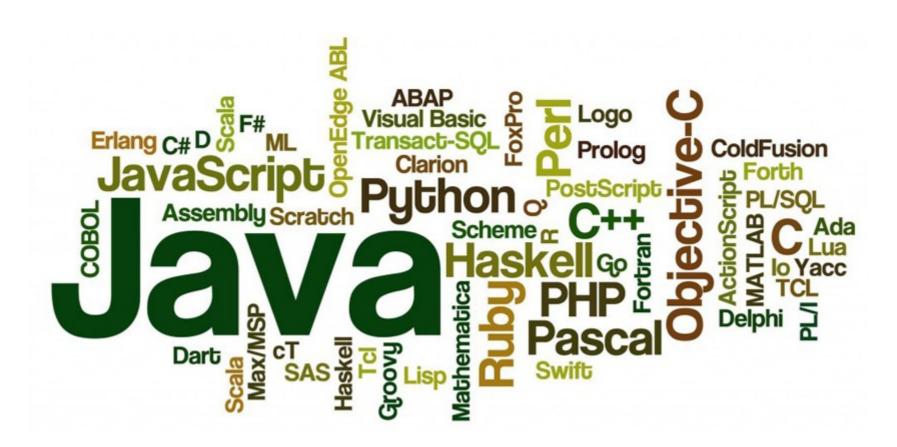
  - Pretty much everything requires iteration to do well:

    - Long distance running

    - Judo

    - Development

    - Evading project managers

    - Enterprise Software!
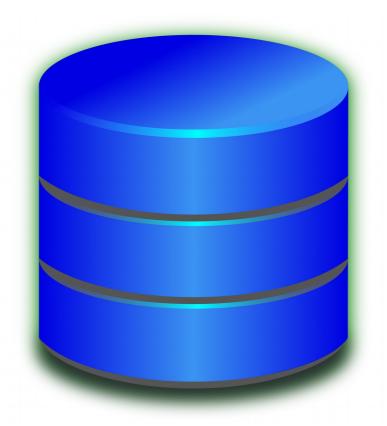
- **What is Enterprise Software?**

    - *No, not the starship!*

- **What is Enterprise Software?**

  - PHP vs Java vs Python vs Go?

- **What is Enterprise Software?**

  - Active Record versus Data Mapper?

- **What is Enterprise Software?**
    - Symfony vs Zend vs Laravel?

- **What is Enterprise Software?**

  - "…is computer software used to satisfy the needs of an organization rather than individual users." - *wikipedia*

- **What is Enterprise Software?**

  - "...describes a collection of computer programs with common business applications, tools for modeling how the entire organization works, and development tools for building applications unique to the organization..." - *also wikipedia*

- **What is Enterprise Software?**

  - "Enterprise applications are about the display, manipulation, and storage of large amounts of often complex data and the support or automation of business processes with that data." *- Martin Fowler*

- **Really?**
    - Organization vs User
    - Large Companies
    - Corporate Patterns
    - Data or Complex Data

- ## In Other Words:

  - No small companies

  - No individual users

  - No simple/small data

- **Really?**
  - Organi
  - Large
  - Patter
  - Data o
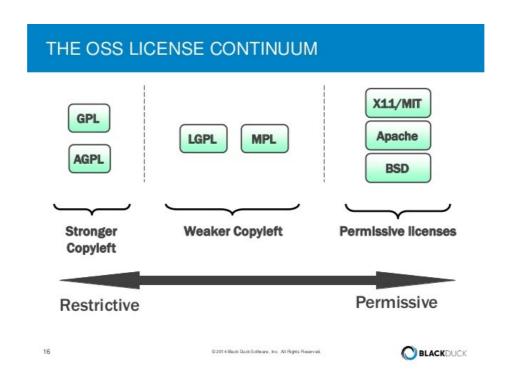
- **What is Enterprise Software?**

  - License

- # License
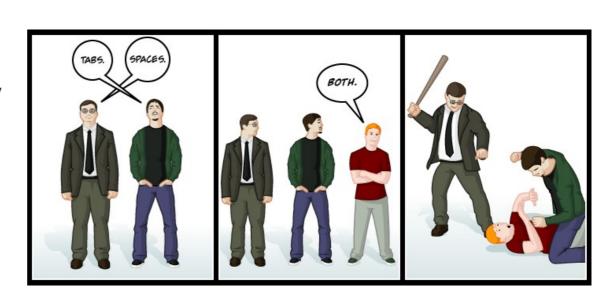
  - OSS vs Proprietary (many for each)

  - No license == no sharing

  - License == Responsibility



THE OSS LICENSE CONTINUUM

GPL
AGPL

LGPL    MPL

X11/MIT
Apache
BSD

Stronger Copyleft    Weaker Copyleft    Permissive licenses

Restrictive    Permissive

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- **What is Enterprise Software?**

  - License

  - Interoperability

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- **Interoperability**
  - Composer
    - 433+ million package downloads...in July 2018
    - 10.25 billion total since 2012
    - More than just left-pad
  - Play nice with others
  - Easily add functionality
  - Caring users/community
  - PHP-FIG
    - (politics aside)
    - Passions == arguing

- **What is Enterprise Software?**

  - License

  - Interoperability

  - Lock-in

- ## Lock-in

  - Less lock-in is preferred

  - What if I want Ginger Ale instead of Koolaid?

  - Can seem innocent

    - "We're trying to help our users."

    - "Oops, sorry, must continue using this to use that."

- **What is Enterprise Software?**

    - License

    - Interoperability

    - Lock-in

    - Contributors

- **Contributors**
  - – More eyeballs
  - – More brains
  - – More ideas
  - – More updated
  - – More faster
  - – Role of Git

- **What is Enterprise Software?**

  - License

  - Interoperability

  - Lock-in

  - Contributors

  - Bus Factor

- **Bus Factor**
  - Will it die without {{so-and-so}}?
    - Visionary
    - Energy
    - Glue



BUS FACTOR

Better cancel Bob's projects...

- **What is Enterprise Software?**

  - License

  - Interoperability

  - Lock-in

  - Contributors

  - Bus Factor

  - Documentation

- **Documentation**

  - App is not complete without it

  - Entry level to advanced

  - Searchable

  - Complete

  - Books, Blogs, Podcasts

  - Videos

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- **What is Enterprise Software?**

  - License

  - Interoperability

  - Lock-in

  - Contributors

  - Bus Factor

  - Documentation

  - Support

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- **Support**
  - Throat to choke
    - Who's to blame
  - Community
  - Corporate
  - More than one

- **What is Enterprise Software?**

  – License

  – Interoperability

  – Lock-in

  – Contributors

  – Bus Factor

  – Documentation

  – Support

  – Compliance/Security

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- **Compliance/Security**

  – SOC, OCI, SAS70, PCI, Sarbanes Oxley (SOX), Oh my!

  – Richardson Maturity Model (REST)

  – RFCs

  – CVE issues

    - Friends of PHP: https://github.com/FriendsOfPHP/security-advisories

    - https://cve.mitre.org/

- **What is Enterprise Software?**

  - License

  - Interoperability

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  - Contributors

  - Bus Factor

  - Documentation

  - Support

  - Compliance/Security

  - Longevity

- **Longevity**

  - Experience level

  - Older == stability … usually ;-)

  - Waiting for version n.01

  - Version 8 being defined

- **What is Enterprise Software?**
    - License
    - Interoperability
    - Lock-in
    - Contributors
    - Bus Factor
    - Documentation
    - Support
    - Compliance/Security
    - Longevity
    - Upgradeable

- **Upgradeable**

  - Wizards

  - Documentation

  - BC (backward compatible)

  - Composer
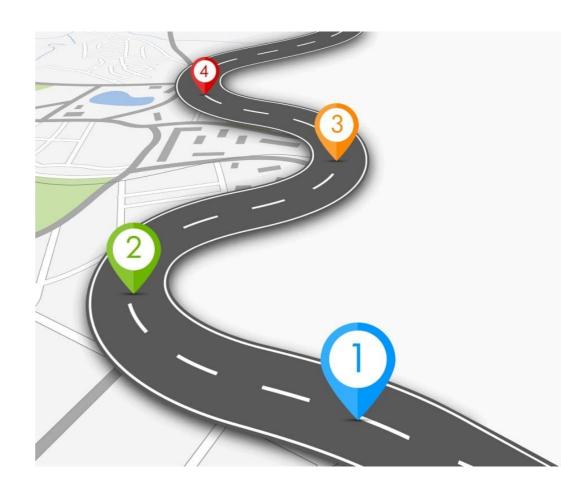
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    - Longevity
    - Upgradeable
    - Roadmap

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- **Roadmap**
    - **Plans for next version**
    - **Vision or ideas**
    - **Stagnant**
    - **Openness**
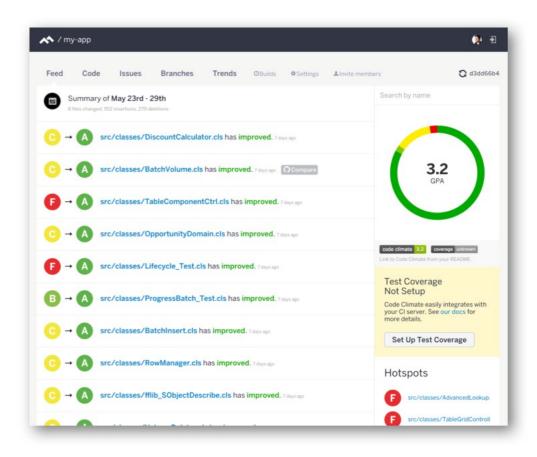
- **Other Considerations**
  - **Performance**
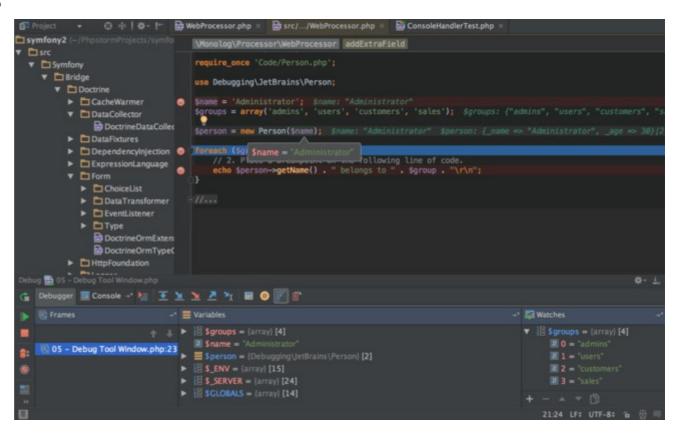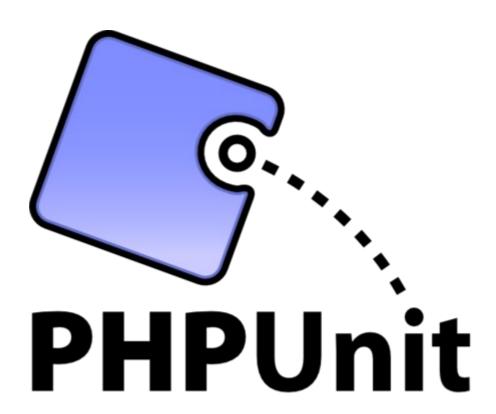
- **Other Considerations**

  - **Performance**

  - **Code Quality**

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- **Other Considerations**

  - Performance

  - Code Quality

  - Coding Standards

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  - Performance

  - Code Quality

  - Coding Standards

  - IDE Friendly

- **Other Considerations**

    - **Performance**

    - **Code Quality**

    - **Coding Standards**

    - **IDE Friendly**

    - **Tested/Testable**

- **Future**
  - Remote working

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  - Microservices

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  - Microservices
  - Containers

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  – Async PHP (Swoole, ReactPHP, PHP v.8)

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  - Middleware (SlimPHP, Expressive, etc.)

- **Future**

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  - Serverless

- **Future**

  - Remote working

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  - Containers

  - Async PHP (Swoole, ReactPHP, PHP v.8)

  - Middleware (SlimPHP, Expressive, etc.)

  - Serverless

  - Function as a Service (FaaS)

- **Summary… "Enterprise" is:**

  - Stability

  - Dependability

  - Security

  - Business Continuity

- **Thank you!**
  - Code: https://github.com/adamculp/

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**Questions?**