KURZE PREVIEW: MAGENTO 2

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TECHNIK VS. BUZZ

- Was ist das Ziel von Magento?

- Was ist bereits passiert?

GOALS

- Clear Processes and Transparency

- Improved Product Quality

- Improved Product Performance and Scalability

- Improved Product Security

- Truly Modular Product

- Improved Web API

- Support of Different DBMS's

- Simplified Customization Process

- Improved Multiple Languages Support

- Decreased Learning Curve

CLEAR PROCESSES AND TRANSPARENCY

- clear roadmap

  - konnte keine finden

- public code repository

  - https://github.com/magento/magento2

CLEAR PROCESSES AND TRANSPARENCY

- Jira: https://jira.magento.com - damn, I've got no credentials

- Bamboo: https://bamboo.magento.com/ – damn, I've got no credentials

- Confluence: https://wiki.magento.com – yeah, I see something, though the access to a lot of documents is restricted

- Crucible: https://crucible.magento.com/ – nothing there

- Fisheye: https://fisheye.magento.com/ – ah, there is also crucible, but: damn, I've got no credentials

IMPROVED PRODUCT QUALITY

- **<u>Buzz bla Blabla</u>**

- Methods and techniques for ensuring product quality must be clearly determined.

- The quality control process must allow for fast, systematic quality monitoring and evaluation.

- The code must meet its design requirements and behave as intended.

- The product upgrade process must be sustainable.

IMPROVED PRODUCT QUALITY

- Magento Tests Automation Framework

- PHPUnit to run about 1000 Selenium testcases

IMPROVED PRODUCT PERFORMANCE AND SCALABILITY

- Magento must allow for collection and analysis of systematic performance metrics.

- Magento must allow for running in shared hosting / virtual private server environments.

- Magento must perform as well as or better than similar products available on the market.

- Major online shopping activity scenarios must be optimized in terms of performance.

- On a similar feature set, the new version must perform as well as or better than the previous version.

- Magento must be easy to scale.

- Multiple instances (multiple installations) must be able to run off a single code base.

IMPROVED PRODUCT PERFORMANCE AND SCALABILITY

- schneller

  - als jetzt (aktueller Stand: 20% schneller!)

  - als die Konkurrenz

- Skalierbar

- auf einer Codebasis mehrere Installationen

- auch auf V-Server möglich

IMPROVED PRODUCT SECURITY

- Magento must not be affected by any vulnerability from the current **OWASP Top 10 Web Vulnerabilities** list.

- **All input** from the client or environment must be properly **validated** on the server side.

- **All input** from the client or environment must conform to established parameters of **business rules** on the server side.

TRULY MODULAR PRODUCT

- Each module must have a **defined** and **documented API**.

- Independent modules **must not** have **logical dependencies**.

- Disabling or removing any module must not cause unexpected product behavior.

- **Loose code coupling** principles must be followed.

- The number of modules installed must not add performance overhead in places where they are not involved in code execution.

IMPROVED WEB API

- SOAP API must be implemented for every module.

- XML-RPC API must be implemented for every module.

- JSON-RPC API must be implemented for every module.

SUPPORT OF DIFFERENT DBMS'S

- Operations on data that involve working with a database must be clearly separated between vendor-specific adapters and generic DBMS layers.

- Magento must be compatible and optimized to work with **MySQL**.

- Magento must be compatible and optimized to work with **Oracle**.

- Magento must be compatible and optimized to work with **Microsoft SQL Server**.

- Magento must be compatible and optimized to work with **Postgre SQL**.

SIMPLIFIED CUSTOMIZATION PROCESS

- Magento must allow for the introduction of **new functionality**.

- Magento must allow for **customization of existing functionality**.

- Magento must allow existing functionality to be **replaced or disabled without "breaking"** the product.

- **Backwards compatibility** on the module and classes API level must be maintained **within a major version**.

IMPROVED MULTIPLE LANGUAGES SUPPORT

- Magento 2 must have a simple and easily maintainable way to support **multiple languages** for **data entry**.

- Magento 2 must have a simple and easily maintainable way to support multiple languages for **system translations**.

DECREASED LEARNING CURVE

- Code **must be documented** according to the **PHPDoc** standard.

- The Classes API must be strict and described well.

- Template coding standards must be followed.

- Each module must provide a corresponding section for the **Magento User Manual**

- The documentation process must be integrated with the development process.

QUELLE

- https://wiki.magento.com/display/MAGE2PROJECT/Goals

- http://www.avs-webentwicklung.de/nc/blog/artikel/details-zu-magento-2.html

- http://dimitrigatowski.com/2012/03/04/magento-and-ebay-9-months-later/