

Magento eCommerce System Health Check Package



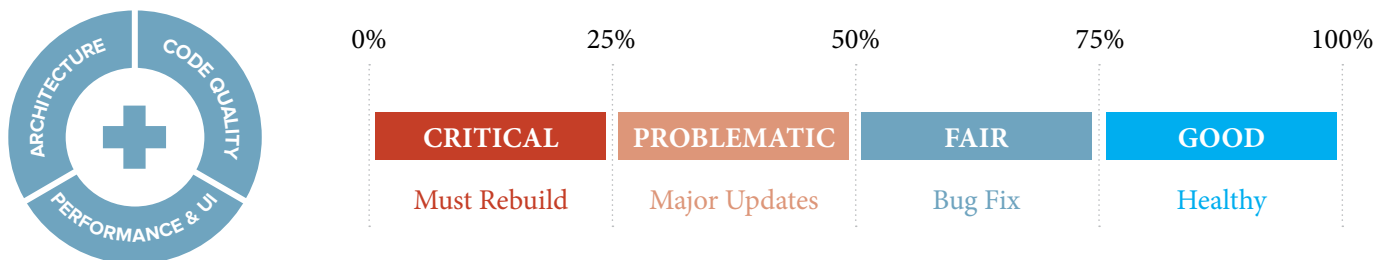
Ecommerce. By Design.

Health Check and Benefits

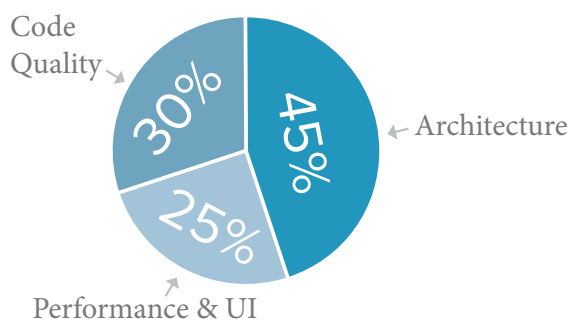
We have been working with Magento Stores since the initial platform launch in 2008. We understand the success of your business is a marathon and not a sprint. Our health check process not only helps you identify bugs and emergencies at hand, but it also focuses on the long-term stability and health your website.

Health Check Engine

Through years of practice, we created the Health Check Engine, which examines both the visible and invisible components of your eCommerce platform. We focus on the three critical areas that have the strongest impact on Magento's system stability and performance: Architecture, Code Quality and Performance & UI.



Scoring System



Health Check process executes more than 30 sub-tests and delivers detailed technical reports. The raw results are reviewed by our expert team and are processed through a standardized scoring system to provide intuitive insights about the overall situation.

Sample Health Check Report

Below are excerpts from our health check report: In it you will find that we provide an easy-to-understand overview of your web site that will enable you and other C-level officers to make well-informed business decisions.

Along with this overview is an analysis of our health check engine's findings. Our Magento Certified expert team will start to delve into the ins and outs of your web site in layman's terms.

And for our fellow developer counterparts, we offer technical details in the form of files and code which should complete an encompassing assessment of your web site's overall health.

Sample Report

Date: 07/09/12

Project: Sample Project

Magento Version: Enterprise 1.11.2.0

Overview:

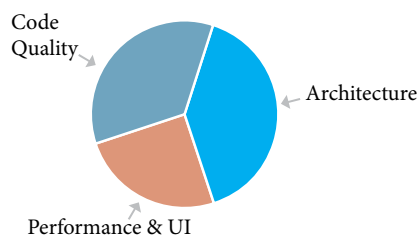
Example.com website sells Magento templates.

Number of stores: 2

Languages: English

Time Zone: Eastern Standard Time

Performance Total Score  **69.5% FAIR**



Architecture  **80% GOOD**
Comment: Healthy

Code Quality  **70% FAIR**
Comment: Bug Fix

Performance & UI  **50% PROBLEMATIC**
Comment: Major Updates

Analysis:

- All Magento modules are turned on even the ones that are not in use. We recommend turning modules off that are not in use to improve security and performance.
- No Products are listed with Google shopping through Magento.
- Taxes are collected at a rate of 8.875% for New York State. We recommend integrating with SpeedTax and accurately calculating taxes by their respective tax jurisdiction.
- There exist many files in the theme folders that are not in use. We recommend backing up redundant or unused files.
- The current theme in use is called "theme". Files that have been modified should be moved under this theme folder. All other files should be removed from the theme and default to Magento.

Technical Details:

- cms/widget/link/link_block.phtml
- cms/widget/link/link_inline.phtml
- cms/widget/static_block/default.phtml
- cms/content.phtml
- cms/content_heading.phtml
- cms/meta.phtml
- contacts/form.phtml
- core/formkey.phtml
- core/link.phtml
- core/messages.phtml
- customer/account/dashboard/address.phtml
- customer/account/dashboard/hello.phtml
- customer/account/dashboard/info.phtml
- customer/account/dashboard/newsletter.phtml
- customer/account/link/back.phtml
- customer/account/navigation.phtml
- customer/address/book.phtml
- customer/address/edit.phtml
- customer/form/address.phtml
- customer/form/changepassword.phtml

Scoring System Composition

Area 1: Architecture

This is the deepest and most invisible layer of the system. Since it is deeply woven into the code, the problems may not surface to the end-user or store owner directly. However, if a problem were to occur, it would lead to critical issues or even system shutdown.

Architectural flaws lead to:

- » Risks of system crash under heavy load and stress
- » System not upgradable or system breakdown during upgrade
- » Irresolvable functional conflicts
- » Security vulnerabilities

Key sub-tests included in this area:

- » Core library integrity
- » Core extensions review
- » Functional extensions review
- » Design and layout structure
- » MVC structure consistency

Area 2: Code Quality

This is a common target for debugging. In practice, many code fixes are rushed as emergency fixes, and some to compensate for architectural flaws. Furthermore, certain shortcuts directly violates general coding standards and breaks coding conventions.

Code quality problems lead to:

- » Large amount of code bugs
- » High maintenance cost (*ramps up with time and the amount of source code*)
- » Difficulties in building any new features
- » Code debt or even code bankruptcy

Key sub-tests included in this area:

- » Coding and naming convention
- » Direct database access
- » Hard-coded scripts and snippets

Area 3: Performance and User Interface

This is the visible component that has a strong impact on the end user experience and conversion rate. Problems in this area do not affect the core business logic of your store, but it can hurt your overall customer satisfaction and revenue streams. A large variety of problems fall into this area and can drive sales down.

Performance & UI problems lead to:

- » Customer complaints
- » Unfavorable brand perception
- » Abandoned shopping experiences
- » Confusion and disarray

Key sub-tests included in this area:

- » Benchmark of static pages
- » Benchmark of high-traffic volume pages
- » Benchmark heavy server load pages
- » JS and CSS quality
- » Cross-browser compatibility

Diagnosis Workflow

