



# Bitrix Site Manager v11.0 Presentation



# Bitrix Cloud Storage



➔ Bitrix Site Manager v11.0 now supports Cloud Storage, including the Media Library.

➔ Google Storage, Amazon S3, MS Windows Azure Storage, RackSpace, OpenStack, etc.

# Bitrix Cloud Storage

## Introduction

Bitrix Site Manager opens Cloud potential directly from your server

➔ Cloud services with API for web applications

- Scalable Cloud-based SQL
- Documents and files
- Calendars
- Mail and communication



- ➔ Developers are provided with complete infrastructure
- ➔ Web apps run on the Cloud provider side only
- ➔ Unlimited scalability and performance adjustment
- ➔ Convenient direct-billing for end-users

# Bitrix Cloud Storage

## New paradigm for CMS and eCommerce solutions

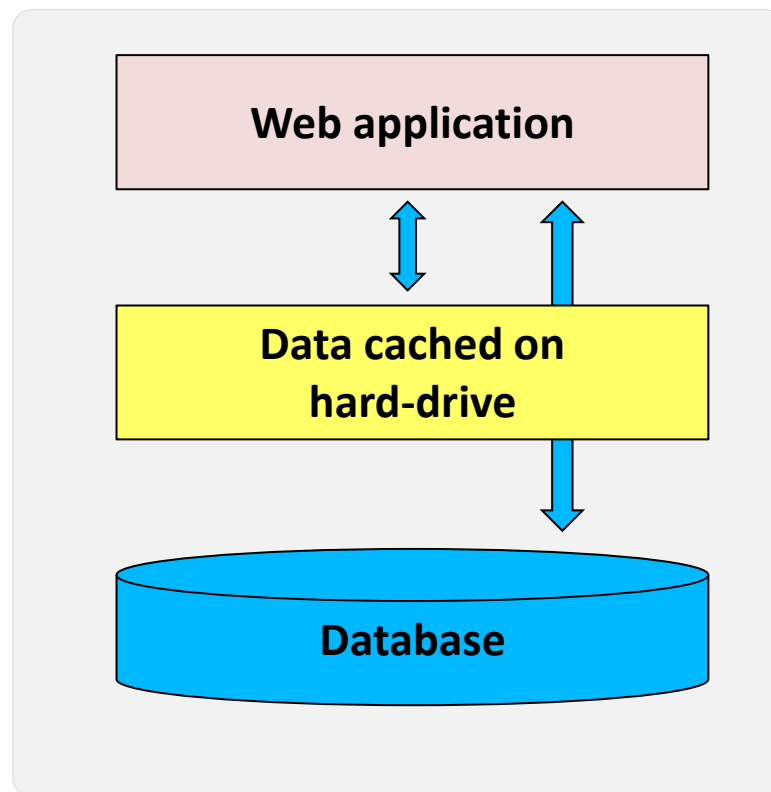
- ➔ CMS software should support Cloud services.
- ➔ CMS and eCommerce solutions must allow development of scalable, Cloud-friendly services and web apps.



The boundaries between standard websites and ‘Cloud’ solutions are **fading away**.

# Bitrix Cloud Storage

Simple CMS will soon be uncompetitive



Traditional content management systems **do no support** cloud storage, geo-distributed web-clusters, cache-dependencies, multitenancy and other cloud-based technologies which are already becoming standards for web projects.

# Bitrix Cloud Storage

## Bitrix Site Manager now supports the Cloud

- Cloud storage support
- CDN support
- Geo-distributed web-clusters
- Virtual Appliance 3.0
- New caching technology

These technologies can be used not only for creating regular websites, but also for **SaaS-based projects** and highly scalable **Cloud services**.

# Bitrix Cloud Storage

## Supported Cloud storages

- ➔ Bitrix Site Manager v11.0 supports Cloud storage provided by Google Storage, Amazon S3, MS Windows Azure Storage, RackSpace, OpenStack, and others.



# Bitrix Cloud Storage

## How to implement the cloud in a Bitrix web project

- Store files in different locations, in the cloud or on the server, depending on their file type, size or other criteria. E.g. all files exceeding 100Mb will be stored in the Google Storage cloud, and all videos will be uploaded to the Amazon S3 cloud.
- Using the Media Library feature, you can store all multi-media files in a cloud. The files will be directly delivered to users through the CDN-networks of Google, MS, or others.





# Geo-distributed Cluster

➔ Geo-distributed Web-Clusters ensure that web projects always remain accessible even if one of the hosting data centers goes down.

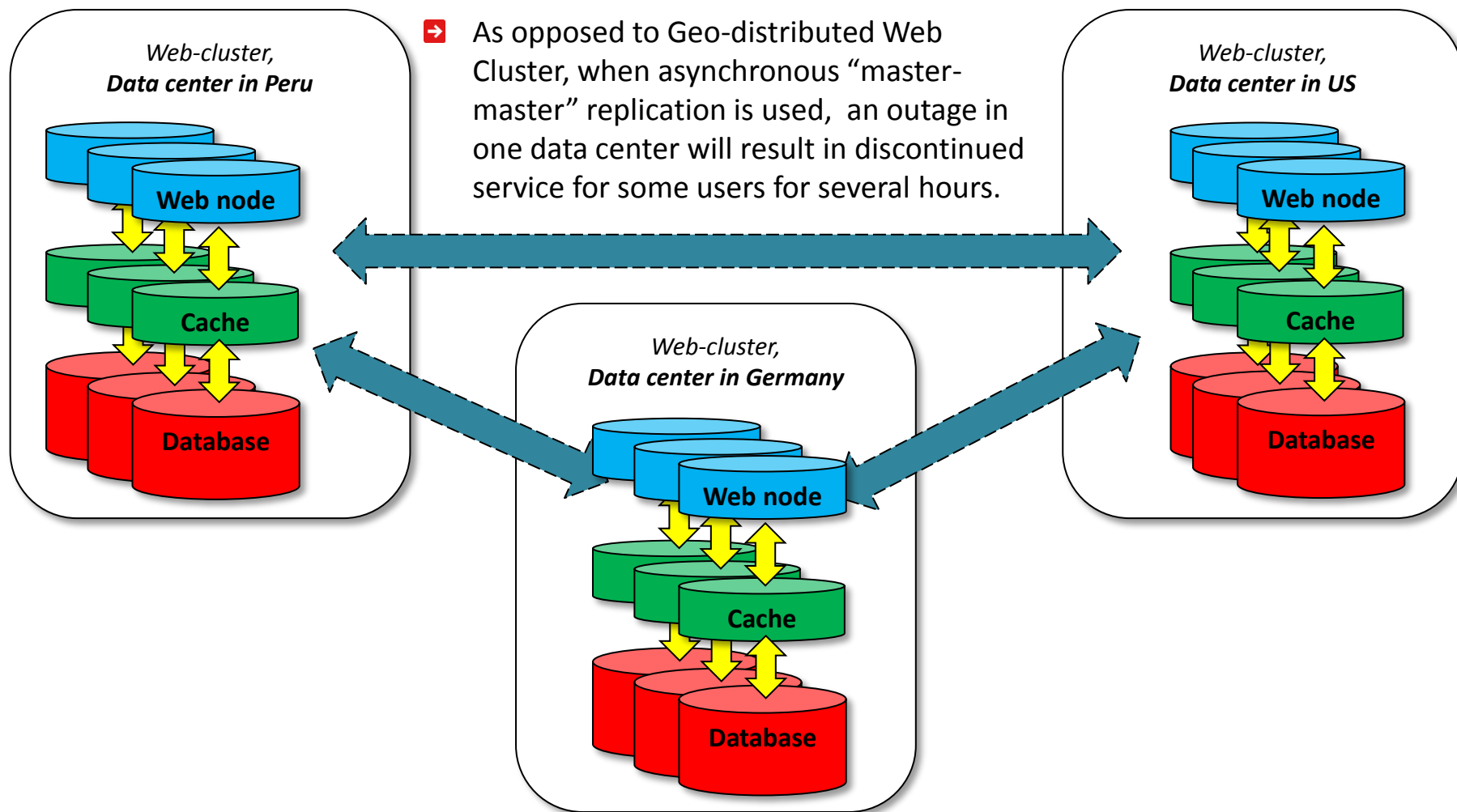
A single site can be hosted among several web clusters, which in turn are located in data centers in different cities or countries.

In the case that one the data center fails, service of the site continues on the other clusters with no need to restore the site from a backup.

# Geo-distributed Cluster

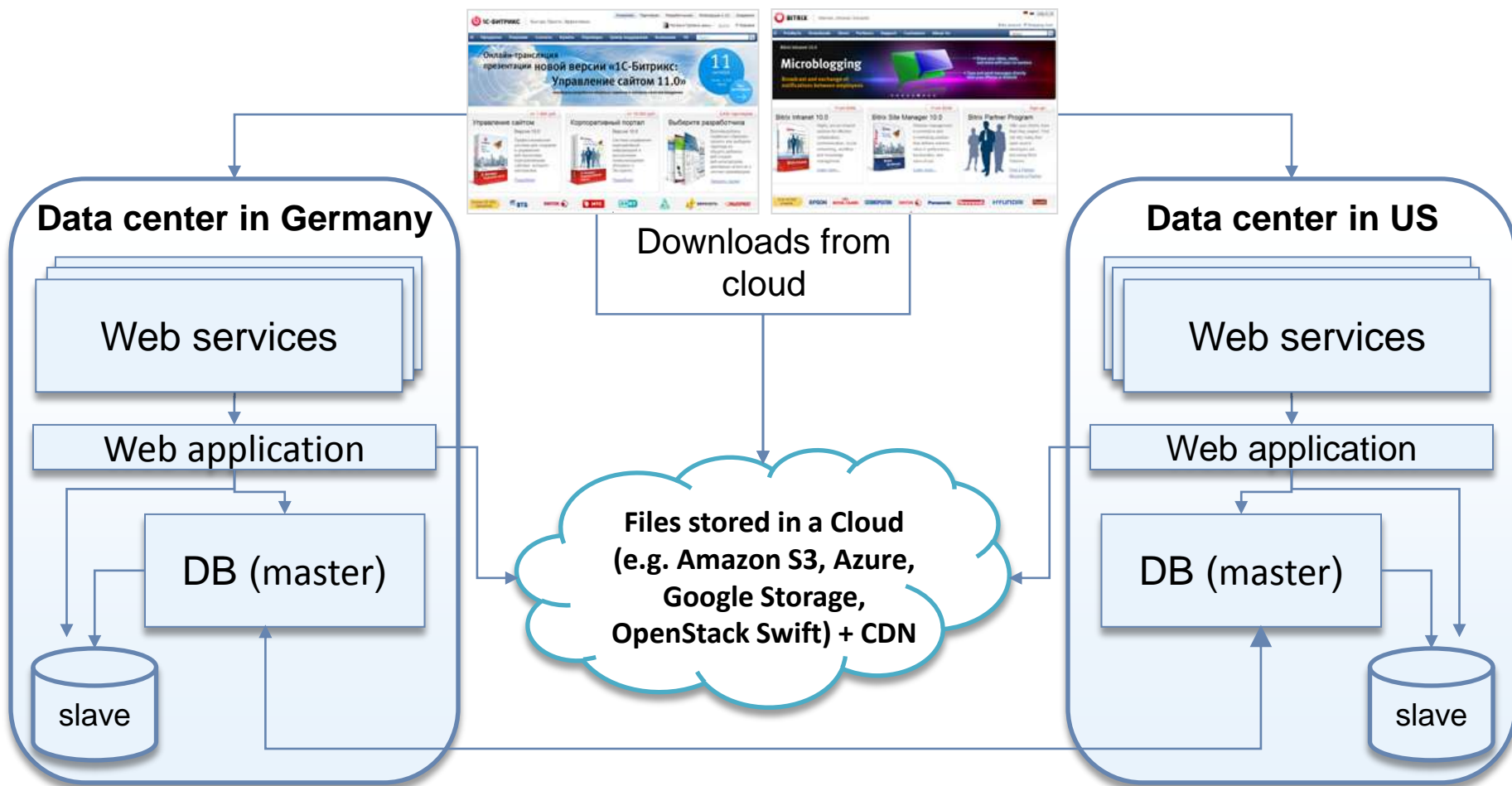
## Asynchronous “master-master” replication

➔ As opposed to Geo-distributed Web Cluster, when asynchronous “master-master” replication is used, an outage in one data center will result in discontinued service for some users for several hours.

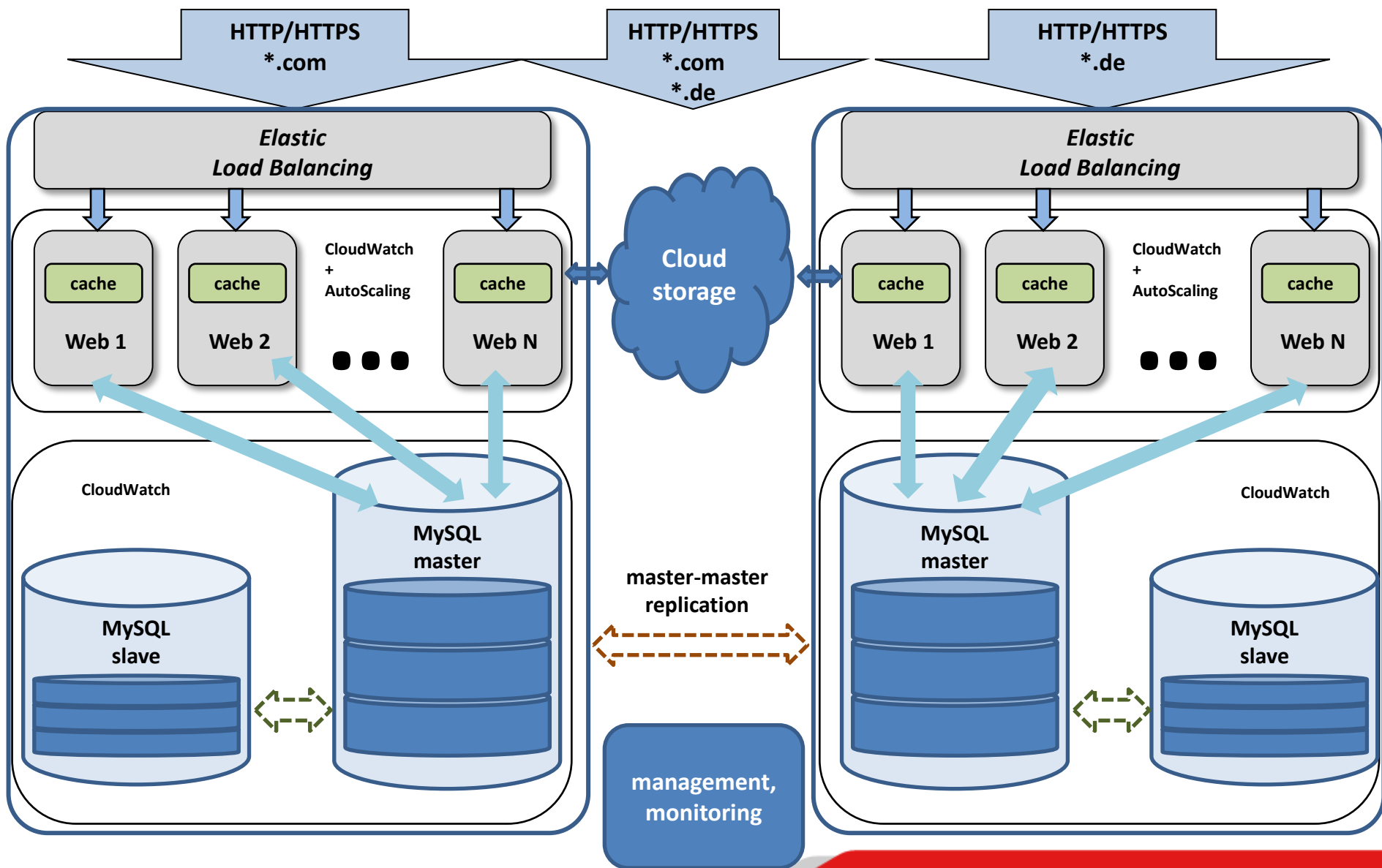


# Geo-distributed Cluster

## Geo-distributed Cluster used with Cloud storage



# Geo-distributed Cluster



# Virtual Appliance 3.0

- ➔ Bitrix Virtual Appliance 3.0 includes a Web-Cluster Wizard. Using this built-in tool, you can easily add a new Slave-server or change a Slave-server to Master-server mode.
- ➔ It takes only 5-10 minutes to deploy a new Web-Cluster with no need to set up or adjust additional software.
- ➔ Bitrix Virtual Appliance 3.0 now allows multiple website deployment.



# Virtual Appliance 3.0

## Available Virtual Appliances



This free virtualization app runs on your Windows or Linux PC and makes it easy to operate any virtual machine created by VMware Workstation, VMware Fusion, VMware Server, etc.



Parallels Virtuozzo Containers is a virtualization solution that lets you maximize the utilization of your existing server hardware. Highest Performance. Reduced Complexity.



Microsoft Hyper-V Server 2008 R2 provides a reliable and optimized virtualization solution, enabling improved server utilization, reduced costs and easy integration with existing IT environments.



Amazon Elastic Compute Cloud (Amazon EC2) is a web service that provides resizable compute capacity in the cloud. It is designed to make web-scale computing easier for developers.



Xen – is a virtual appliance/machine monitor (VMM) or a so-called ‘hypervisor’ with support for para-virtualization provided as an open-source software.

# Project Quality Control

- How to ensure web project quality when there are so many parties involved?
- Bitrix Site Manager v11.0 solves this problem by offering built-in Project Quality Control tools.



# Project Quality Control

## Introduction

- ➔ Tests for website developers and integrators;
- ➔ 26 mandatory and 39 optional quality tests;
- ➔ Includes 12 auto-check tests, the number of which keeps growing steadily.

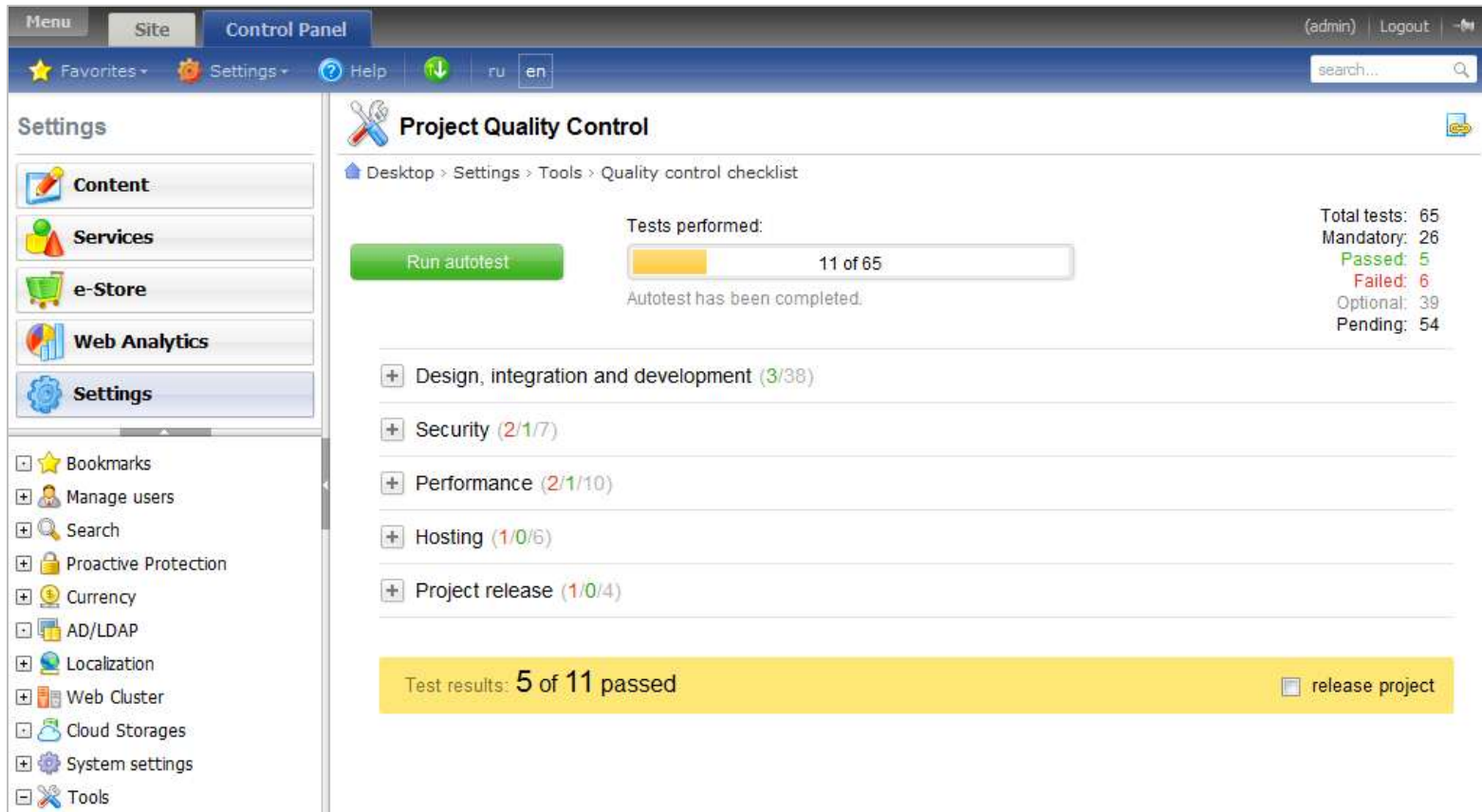
These tests provide end-users and developers with a formal, structured checklist that ensures the quality of turn-key solutions built with **Bitrix Site Manager**.



# Project Quality Control

## Auto-check tests

You can entrust all quality control checks to the system. The web developer can simply use the test results as objective confirmation of the project's readiness.



The screenshot displays the Bitrix Project Quality Control interface. The main content area shows the following information:

- Project Quality Control** (wrench icon)
- Breadcrumb: Desktop > Settings > Tools > Quality control checklist
- Run autotest** button
- Progress bar: Tests performed: 11 of 65
- Status: Autotest has been completed.
- Summary statistics:
  - Total tests: 65
  - Mandatory: 26
  - Passed: 5
  - Failed: 6
  - Optional: 39
  - Pending: 54
- Test categories:
  - Design, integration and development (3/38)
  - Security (2/1/7)
  - Performance (2/1/10)
  - Hosting (1/0/6)
  - Project release (1/0/4)
- Summary bar: Test results: 5 of 11 passed
- release project

The left sidebar contains the following menu items:

- Settings
  - Content
  - Services
  - e-Store
  - Web Analytics
  - Settings
- Bookmarks
- Manage users
- Search
- Proactive Protection
- Currency
- AD/LDAP
- Localization
- Web Cluster
- Cloud Storages
- System settings
- Tools

# Project Quality Control

## Customized tests

Website developers can create their own quality control tests and add them into the “test-tree” for any project they are working on, for example:

- Publishing in catalogs
- SEO-optimization
- CodeStyle test
- Billing under high loads test
- Other tests as requested by the client



# Project Quality Control

## Benefits for website developers

- Ensure the highest quality of web project development services
- Run and record all tests in one place
- Formalize the business relationship with the client and the handing over process.



# Quality Control Tools

## Benefits for end-customers

- Lower risks (web project errors can be corrected before handover to the client);
- Systematic approach to web project development and launch;
- Business relations with the web project developer become more formal and transparent;
- Smarter web project budgeting: all costs can be foreseen when revising the “test-tree”.



# Secure Authorization

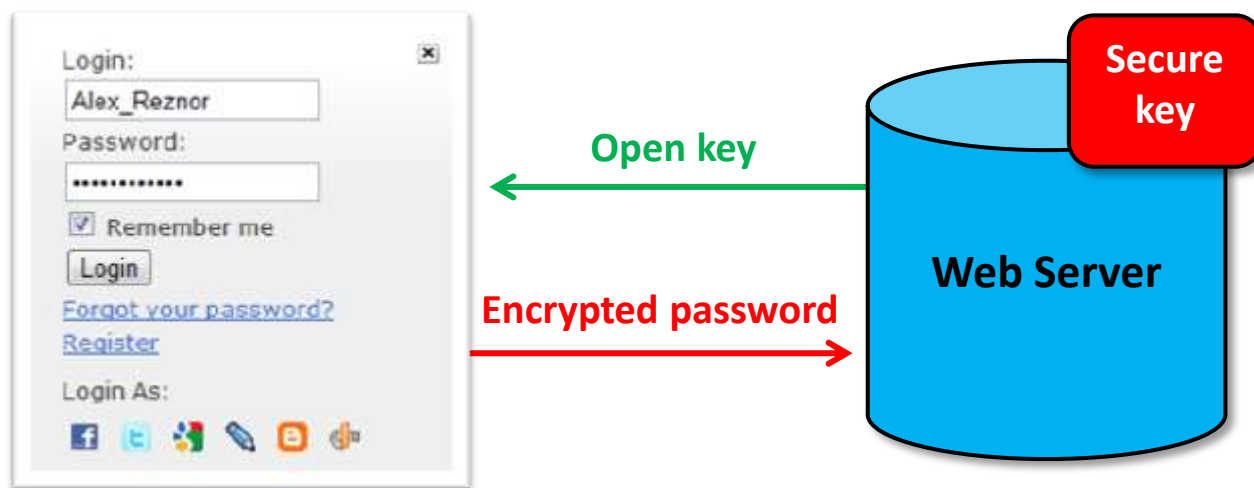
- On most websites, passwords are not transmitted using an SSL connection - this can compromise your personal data security.
- An SSL certificate doesn't cost a lot, but many site owners are burdened with the strict requirements of SSL.
- According to the statistics we have at our disposal, **less than 20%** of websites use SSL connection.



# Secure Authorization

## Protect passwords in insecure environments

- ➔ Password-theft protection even if there is no SSL connection;
- ➔ Secure authentication provided by RSA 1024 bit key password encryption;
- ➔ All passwords submitted via login forms are encoded and sent to the server.



# Secure Authorization

## Authorization via mobile devices

- ➔ Best way to secure your personal data against root kit malware, password/login stealing, website access loss, etc.



Android  
Market



App  
Store

- ➔ Absolutely free Bitrix OTP app. Available in the [Android Market](#) and in the [App Store](#).



# Product Enhancements

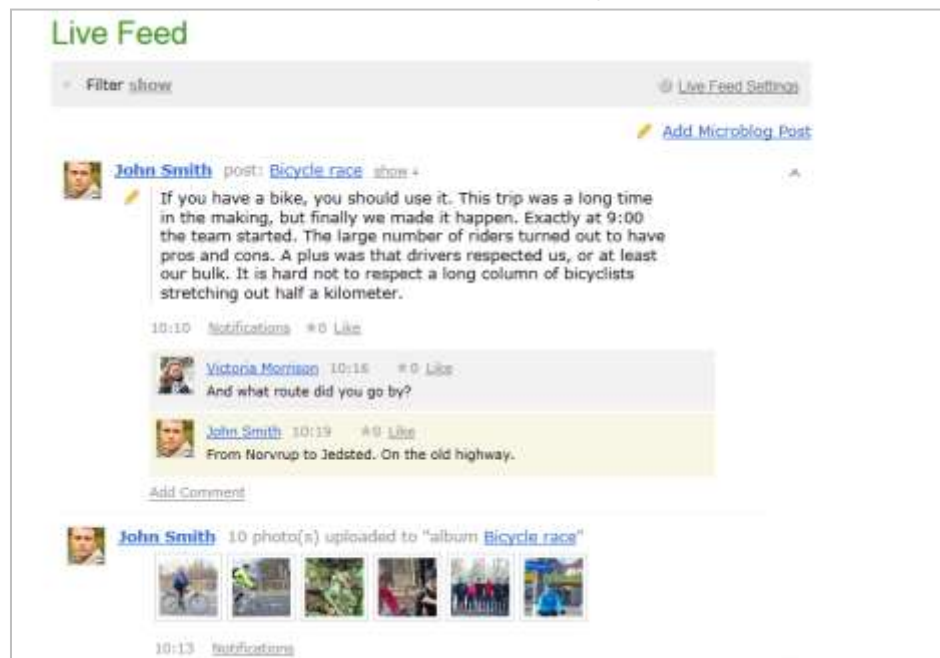
- Live Feed
- Improved Social Search
- "Like" button
- Time Zones
- Back-end Dashboard
- Updated Photo Gallery
- Schema.org support
- Auto-save for web forms
- Other improvements.



# Product Enhancements

## Updated Live Feed in Social Network

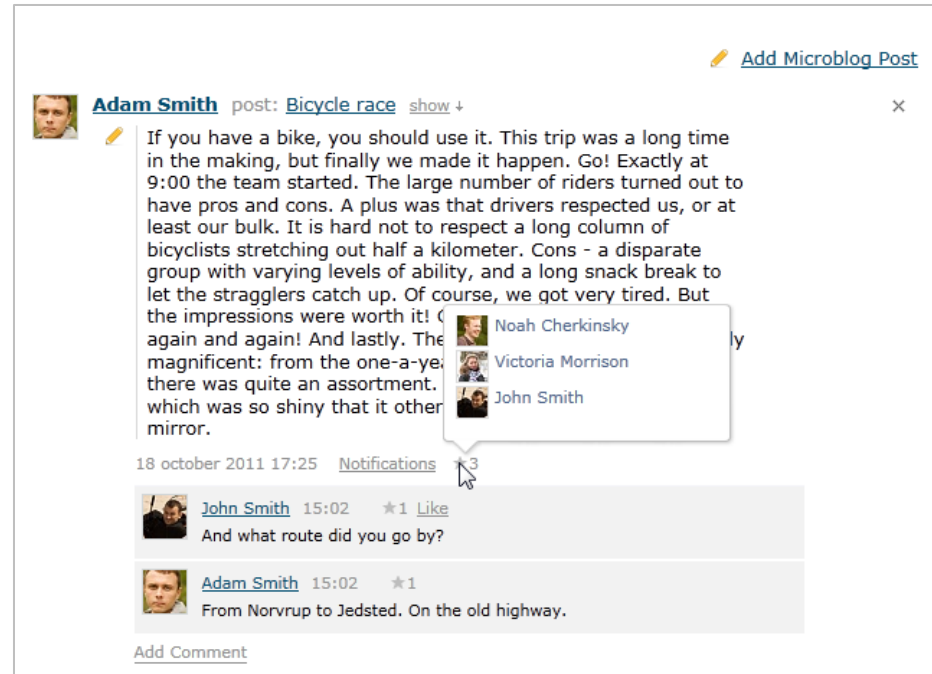
- ➔ Includes unread notifications and comments;
- ➔ Page view extended with AJAX mode shows “[More events](#)” without reload;
- ➔ Live Feed now includes images uploaded by users in their Photo Galleries with comments displayed both in the Photo Gallery and the Live Feed.




# Product Enhancements


## The "Like" button




- Now you can rate almost any content published on the website using the "[Like](#)" button.
- Social search results more precise and based on users' opinion as indicated using the "[Like](#)" button.
- No more complicated formulas for content evaluation. Have your say with the "[Like](#)" button!




[Add Microblog Post](#)


 [Adam Smith](#) post: [Bicycle race](#) [show +](#) ×

 If you have a bike, you should use it. This trip was a long time in the making, but finally we made it happen. Go! Exactly at 9:00 the team started. The large number of riders turned out to have pros and cons. A plus was that drivers respected us, or at least our bulk. It is hard not to respect a long column of bicyclists stretching out half a kilometer. Cons - a disparate group with varying levels of ability, and a long snack break to let the stragglers catch up. Of course, we got very tired. But the impressions were worth it! (again and again! And lastly. The magnificent: from the one-a-year, there was quite an assortment. which was so shiny that it other mirror.

 [Noah Cherkinsky](#)  
 [Victoria Morrison](#)  
 [John Smith](#)

18 october 2011 17:25 [Notifications](#) 3

 [John Smith](#) 15:02 ★1 [Like](#)  
And what route did you go by?

 [Adam Smith](#) 15:02 ★1  
From Norvrup to Jedsted. On the old highway.

[Add Comment](#)

# Product Enhancements

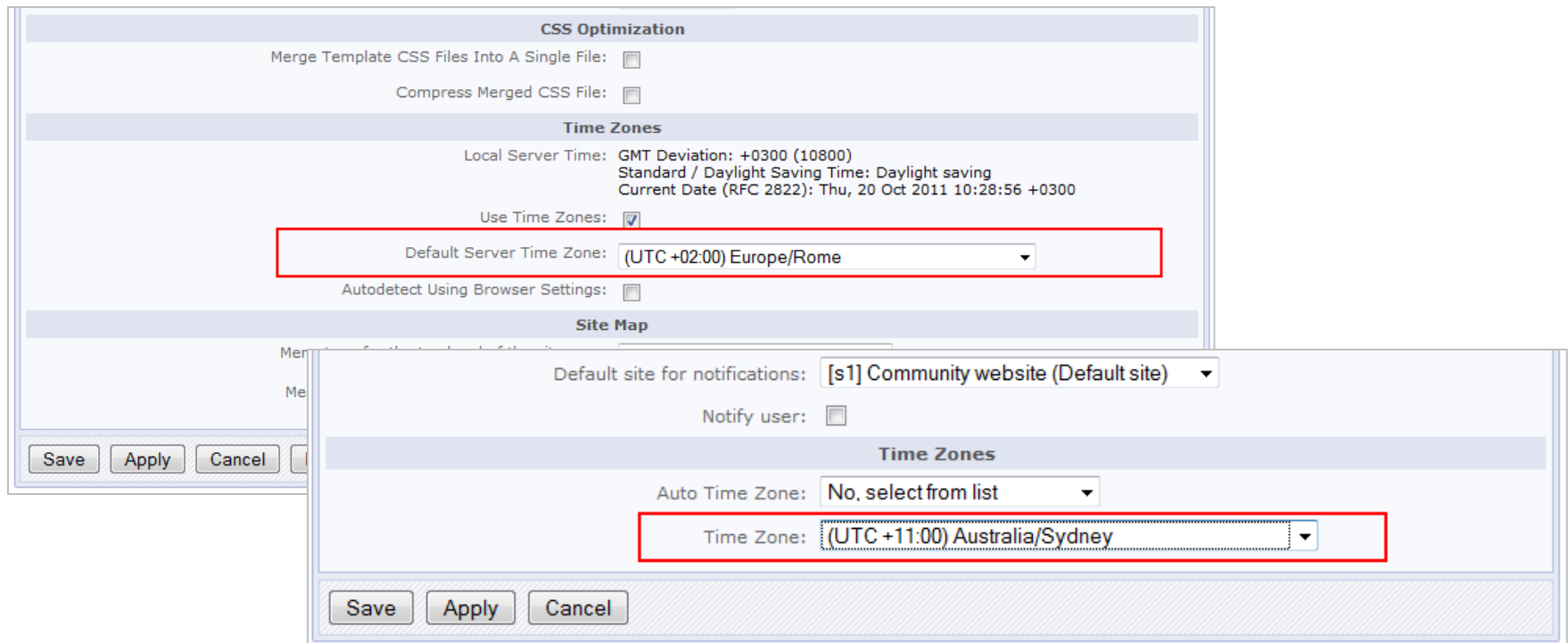
## Precise search results

- ➔ Bitrix Site Manager v11.0 now features a **better search mechanism** that considers word placement and punctuation, excludes redundant data, and categorizes search results by section or source.
  
- ➔ ***Social Search*** is based on the rank of users active in groups or communities, general content evaluation, etc. The more often the content is 'liked', the higher its position in the Social Search results.
  - Content rating depends on the number of users who "liked" it;
  - Content rating is re-evaluated each time the "Like" button is clicked or unclicked;
  - User rating (status) is also factored in;
  - User rating depends on the status they have within a community: their position, popularity, how active they are, points earned, etc.

# Product Enhancements

## Automatic Time Zones

➔ Time Zones can now be set automatically by the system. All dates and times of articles, blog posts, e-Store orders or comments published on your website will be displayed according to the Time Zone where user is currently located.



The image shows two overlapping screenshots of the Bitrix administration interface. The top screenshot displays the 'Time Zones' section of the settings, with a red box highlighting the 'Default Server Time Zone' dropdown menu, which is set to '(UTC +02:00) Europe/Rome'. The bottom screenshot shows a 'Time Zones' dialog box with a red box highlighting the 'Time Zone' dropdown menu, which is set to '(UTC +11:00) Australia/Sydney'. Both screenshots include 'Save', 'Apply', and 'Cancel' buttons.

**CSS Optimization**

Merge Template CSS Files Into A Single File:

Compress Merged CSS File:

**Time Zones**

Local Server Time: GMT Deviation: +0300 (10800)  
Standard / Daylight Saving Time: Daylight saving  
Current Date (RFC 2822): Thu, 20 Oct 2011 10:28:56 +0300

Use Time Zones:

Default Server Time Zone: (UTC +02:00) Europe/Rome

Autodetect Using Browser Settings:

**Site Map**

Default site for notifications: [s1] Community website (Default site)

Notify user:

**Time Zones**

Auto Time Zone: No, select from list

Time Zone: (UTC +11:00) Australia/Sydney

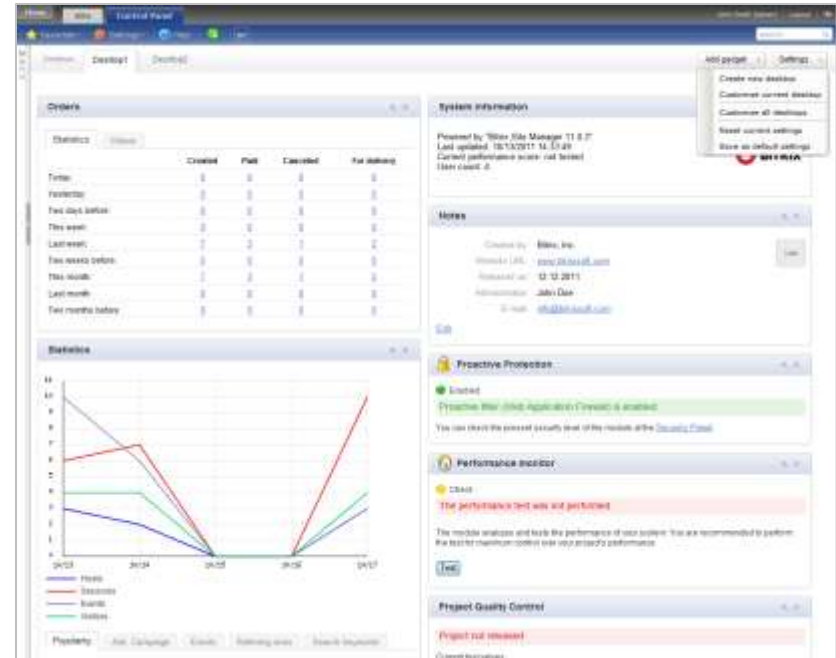
Save Apply Cancel

Save Apply Cancel

# Product Enhancements

## Back-end Dashboard with drag-and-drop components

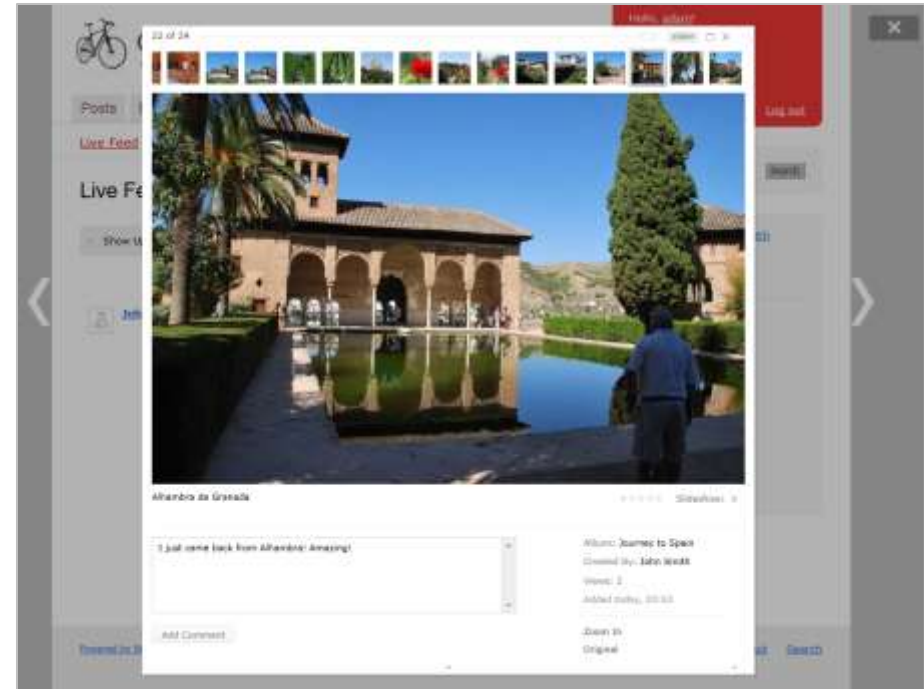
- ➔ The back-end Dashboard is now customizable with drag-and-drop gadgets;
- ➔ Multiple dashboards with personal settings and quick-views of priority data;
- ➔ Custom gadgets can be created.



# Product Enhancements

## Updated Photo Gallery with new themes

- ➔ Brand-new Flash uploader;
- ➔ Windows, Mac, Unix OS support;
- ➔ Built-in slide show;
- ➔ Pre-load functionality
- ➔ Comments to images displayed in Live Feed



# Product Enhancements

## Support for short (tiny) URLs

- Starting from v11.0 you can generate short URLs for pages on your site;
- Hits on this link are incorporated into Statistics module reports.



# Product Enhancements

## Schema.org microformats support

- ➔ Complementary feature for better SEO and eCommerce possibilities;
- ➔ Schema.org microformats are used by Google, Bing, Yahoo, and others.



### Thing > Product

A product is anything that is made available for sale—for example, a pair of shoes, a concert ticket, or a car.

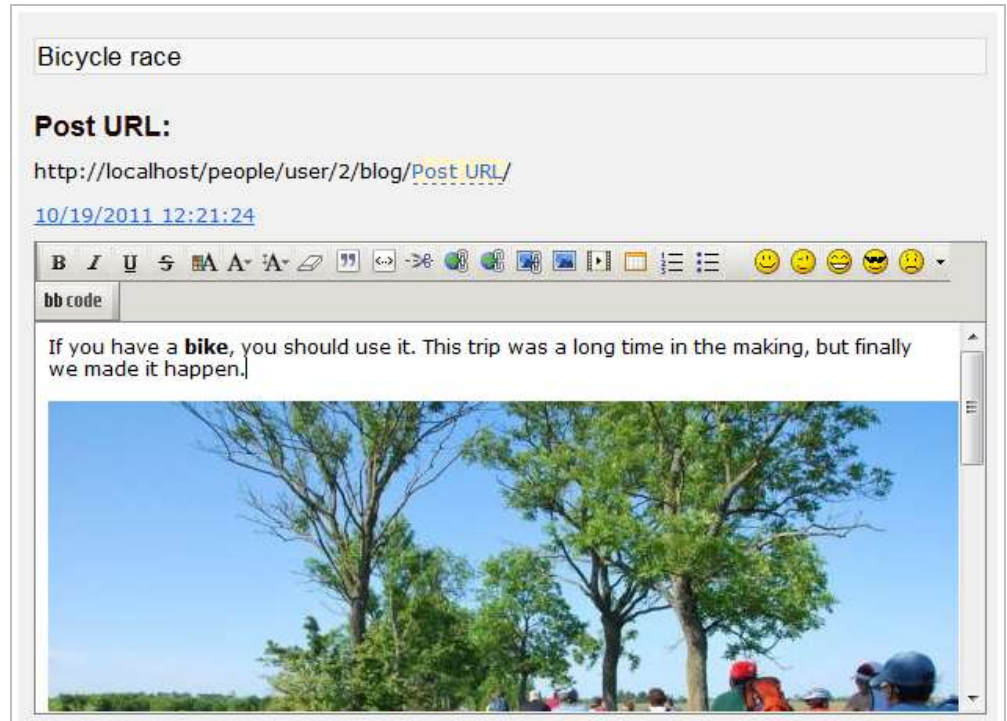
Property	Expected Type	Description
<b>Properties from Thing</b>		
description	Text	A short description of the item.
image	URL	URL of an image of the item.
name	Text	The name of the item.
url	URL	URL of the item.
<b>Properties from Product</b>		
aggregateRating	AggregateRating	The overall rating, based on a collection of reviews or ratings, of the item.
brand	Organization	The brand of the product.
manufacturer	Organization	The manufacturer of the product.
model	Text	The model of the product.
offers	Offer	An offer to sell this item—for example, an offer to sell a product, the DVD of a movie, or tickets to an event.
productID	Text	The product identifier, such as ISBN. For example: <meta itemprop="productID" content="isbn:123-456-789"/>.
reviews	Review	Review of the item.



# Product Enhancements

## Improved Blogs, Forums, and WYSIWYG Editor

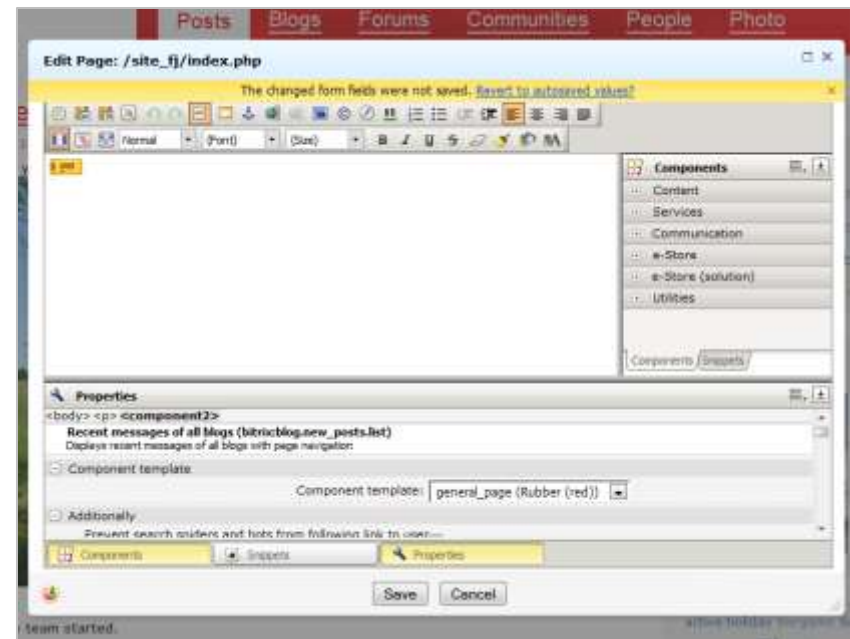
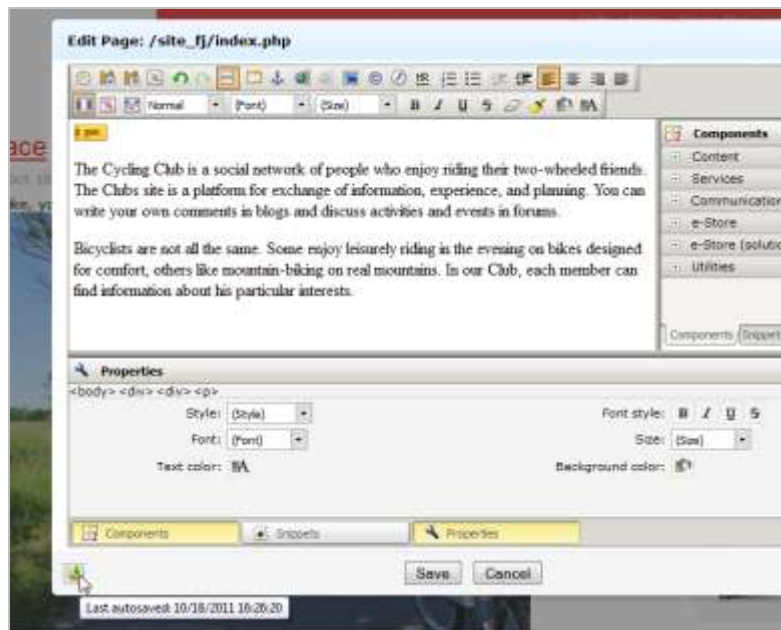
- Full AJAX support;
- Improved WYSIWYG Editor



# Product Enhancements

## Auto-save for web forms

- ➔ Back end and front end auto-save for web forms and dialog windows;
- ➔ Even if the page or dialog window is closed by accident, the system will offer you to restore the data entered when the form is opened again.



# Product Enhancements

## Bitrix Site Manager v11.0



- ➔ Users of previous versions of Bitrix Site Manager with a valid subscription to updates and technical support can implement the changes which pertain to their products through the **SiteUpdate** system in the Control Panel.
- ➔ **Cloud storage** support is included in all editions, and **Geo-distributed Web-Clusters** are available in Premium and Ultimate editions only.

# Bitrix, Inc. Team



## **We're there for you!**

Our mission is helping small and mid-sized organizations to leverage the opportunities of cutting-edge web technologies, *extend their online business footprint*, and *increase business performance, visibility and effectiveness.*

## **We've made over 150 changes in Version 11.0**

- 33 product modules changed
- 6,197 files revised
- 2,116 new files added
- 263,833 lines of code written
- 101,984 lines of code removed
- all changes estimate the total of 20Mb

# Thank you for your Feedback!

➔ You can try out Bitrix Site Manager v11.0 using:

[Free 3-Hour Online Demo](#)

[Free 30-Day Trial Version](#)

➔ Please feel free to ask any additional questions:

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Email: [sales@bitrixsoft.com](mailto:sales@bitrixsoft.com)

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