

Using a Cloud based System to provide Web Site Hosting - Webvanta CMS

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Agenda

- Introduction
- FMI process for web site creation / hosting
- What is Webvanta?
- Webvanta key features
- Website examples
- Questions

A. Introduction

- FMI IT is requested to create/support about 10 websites a year:
 - Public conferences
 - Internal/external meetings/workshops
 - Swiss wide initiatives
 - Research projects

- In the past few years, that meant:
 - Graphics design.
 - Hosting and maintenance of web servers at FMI.
 - Content entry/update.
 - Conference registration
 - Etc...
 - = Workload mostly put on IT.

-  Time to find processes and online tools to facilitate website support.

B. FMI process for website creation / hosting

- FMI process for web creation and support:
 - Graphics design with **99designs**.
 - DNS with **Network Solutions**.
 - Hosting / CMS with **Webvanta**.
 - Conference registration with **Amiando**.



- Distribute the cost to the Requester(s) instead of IT.
- This might not be the best option, but it works well for us!

**Webvanta**

C. What is Webvanta?

- Company founded in 2007 by Michael Slater and Christopher Haupt (both previously working for Adobe Systems):
 - Team of 10 persons, based in California.
 - More than 300 sites currently

- Content management delivered as SaaS. Hosted CMS service that enables you to quickly build dynamic database-driven web sites without much programming.

- The system provides complete design flexibility and can easily include any kind of database-driven content.

- Meets two sets of needs:
 - Designer needs complete flexibility
 - Site owner needs a simple way to add and update content

D. Webvanta key features (non-exhaustive list)

- Use any HTML/CSS/JS, any visual design while making the site easy to edit
- Master account - Design Partner Program
- Calendar
- Custom forms
- “SmartThemes” feature
- Automatic resizing of photos
- Templates and snippets
- Integrated blog
- Photo gallery & video player
- Database-driven content
- Integrated search
- Private pages for members only
- Mini-sites capability
- Multiple types of members
- Secure pages (SSL)
- Restrict access by IP (for Intranet sites for example)
- Deliver different pages to mobile devices
- Import RSS feeds
- Customizable content editor role



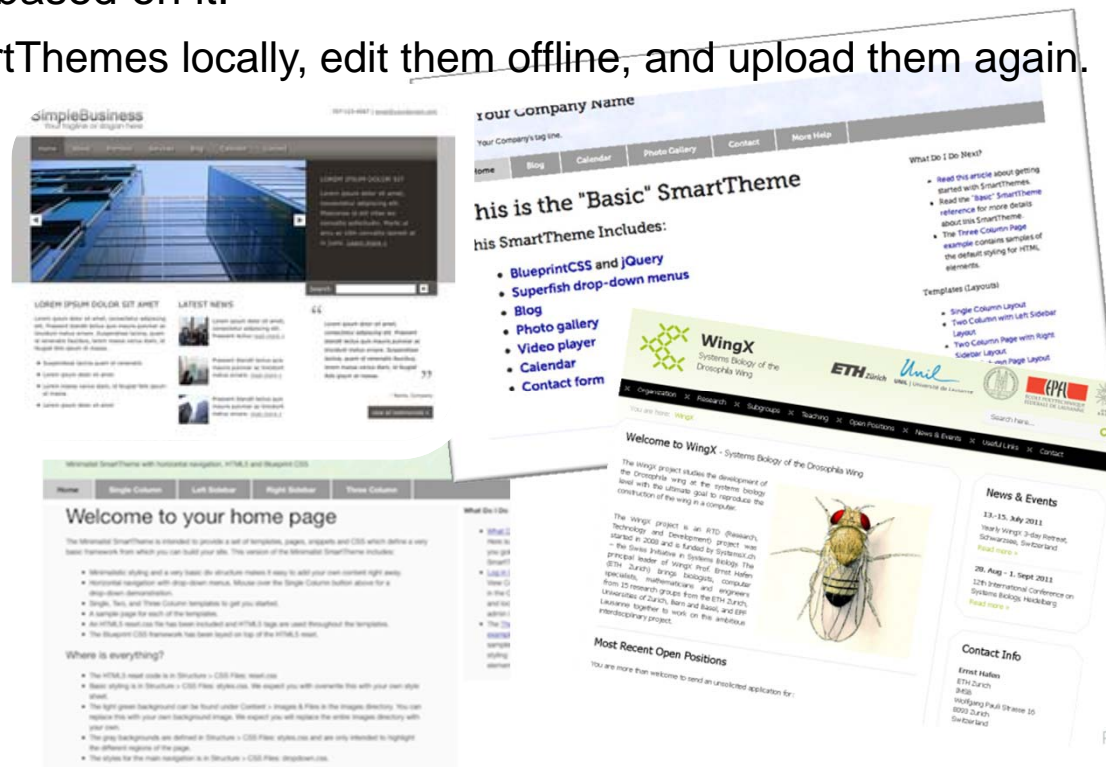
D. 1. Master account

- 2 options to create a website with Webvanta:
 - Sign up form.
 - Master account.
- Create and manage all your websites in one account.
- Option to private-label the Webvanta system to use your own logo.
- Priority support (+ one free website + 4 hours consulting)

ID	Name	Level	Subdomain (default)	Domain (default)	Status
2023	SwiNG	3	swing	www.swing-grid.ch	Online
2040	FMI	3	thibaut		Online
2055	WingX	3	wingx	www.wingx.ch	Online
2056	BattleX	3	battlex	www.battlex.ch	Online
2057	InfectX	3	infectx	www.infectx.ch	Online
2464	nfei	5	nfepi		Online
2465	kinome	5	kinome	www.torandmore.org	Online
2730	shpn	5	shpn	www.shpn.ch	Online
2985	bioimaging	6	bioimaging	www.swissbioimaging.org	Online
3309	worm	6	worm	worm.fmi.ch	Online
3873	metanetx	6	metanetx		Offline

D. 2. “SmartThemes”

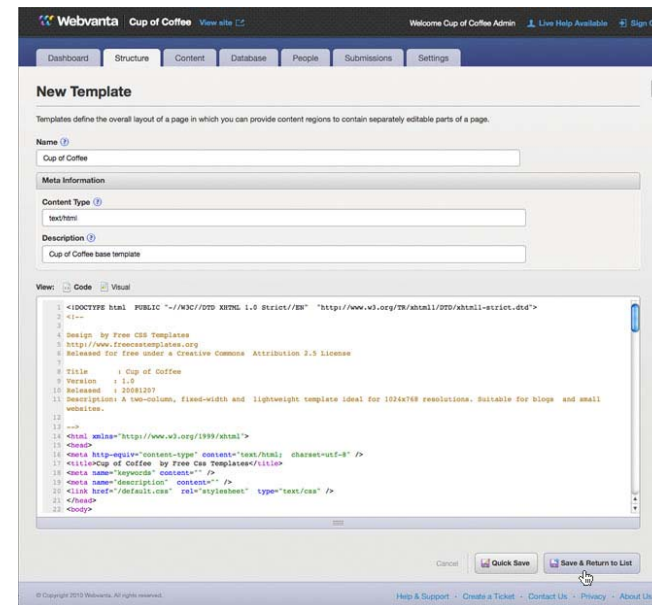
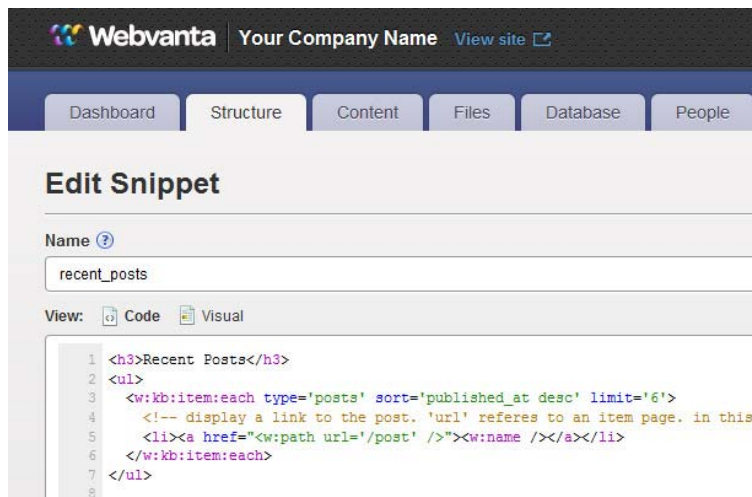
- Focused on providing frameworks and simplifying your site creation:
 - Initial setup for the site, with pre-built features
 - i.e. layout, css, js functions, images, pages, blogs, photo galleries, and more...
- Allows you to save any site that you have created as a template, and then build new ones based on it.
- Store SmartThemes locally, edit them offline, and upload them again.

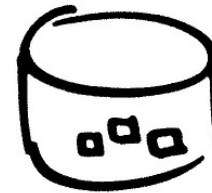


D. 3. Templates & Snippets

- Build pages faster based on templates:
 - Don't recreate each time what was already created once.
 - Only add content in "regions" that you have pre-defined in the templates.

- Build pages even faster with snippets:
 - Small functions that can be reused on multiple pages.
 - Can be used for content, js functions, css, ...





D. 4. Database-driven content

- Don't just stick content on pages:
 - Add content into database tables, and create as many custom items as you want: e.g., products, articles, press releases, events, instruments, courses, people.
 - Quickly create database-driven sites based on the custom items.
- Pages are created automatically, from a small number of templates:
 - Better usability & better SEO

Custom Item Type Name [?](#)

Custom Item Metadata

Field Set? [?](#)

Built-in Field Settings [?](#)

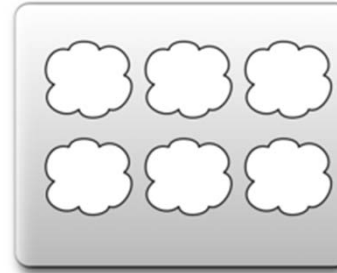
Position	Field Name	Label	Type	Enabled?	Description
1	name	Name		<input checked="" type="checkbox"/>	The title used to describe the item. Used in page metadata. Should b
2	author	Author		<input type="checkbox"/>	Plain text name of the authors/owners of the item.
3	url	URL		<input type="checkbox"/>	The main URL field can store any kind of link to another resource.
4	body	Body	WYSIWYG Text Area	<input type="checkbox"/>	Use the body field for the primary text of your item.
5	excerpt	Excerpt	WYSIWYG Text Area	<input type="checkbox"/>	Use excerpts for hand-tuned summaries of the item.
6	rating	Rating		<input type="checkbox"/>	Site wide ranking that can be used to organize relative importance of
7	sequence	Sequence No.		<input type="checkbox"/>	Optional alternate ID, sequence number, or serial number that can be item
8	published_at	Publication Date		<input type="checkbox"/>	Include Date picker to specify future publication date (default is date it picker to be able to keep items permanently offline.
9	draft	Draft		<input type="checkbox"/>	Draft items are not visible to the public.
10	icon	Icon		<input type="checkbox"/>	An image that represents this item.

```

1 <div class="news-block">
2     <div class="title">
3         <h2>CITIES</h2>
4     </div>
5 <p><br /></p>
6 <w:kb:item >
7     <w:each by='name' type='city' filter='current_item'>
8         <w:kb:edit>
9             <p><a href="<w:path url='/city' />"><w:name /></a> (<w:canton />)</p>
10        </w:kb:edit>
11    </w:each>
12 </w:kb:item>
13 </div>
14
15

```

D. 5. Mini-Sites



- Associate different domain name(s) with subset(s) of your site.
- Allows a single master site to be viewed from the web as any number of mini-sites, each with its own URL.

- Examples:
 - <http://www.myMainSite.ch/myMiniSite1> => <http://www.myMiniSite1.ch>
 - <http://www.myMainSite.ch/myMiniSite2> => <http://www.myMiniSite2.org>

- Advantages:
 - All mini-sites can share the same templates and databases.
 - Very useful to ensure design consistency and leverage information across multiple sites.
 - Provides an easy-to-manage and cost-effective way to provide related sites, with unified control but distinct identities.

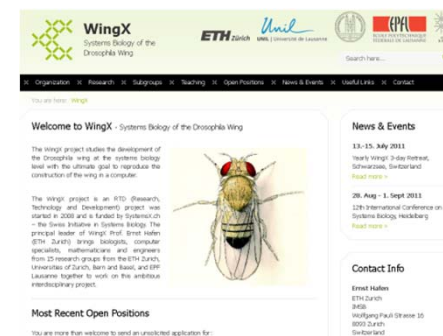
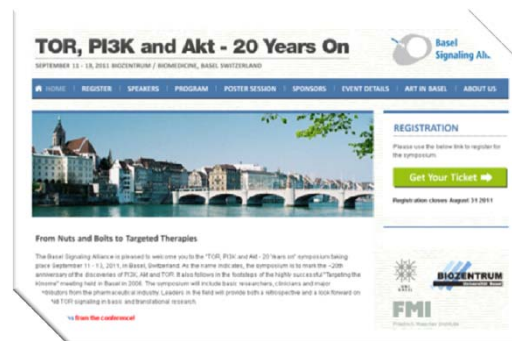
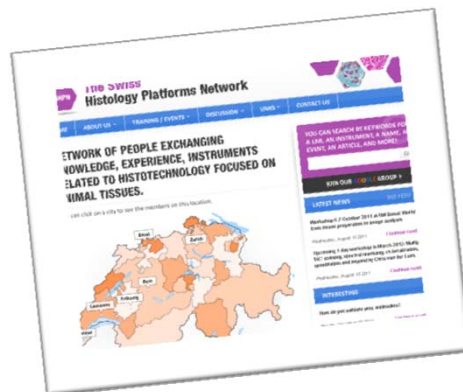
D. 6. “Protect by IP” access control feature

- A back-end extension specifically developed for FMI late 2010.
- Configure IP number(s) as a “white list” of permitted addresses to access content.
- Protect site at level of:
 - Page
 - Document.
 - Image.
 - XML feed.
- Modify restriction settings at any moment.



E. Examples of websites

- Swiss National Grid Association
- Swiss BiImaging Platform
- Swiss Histology Platform Network
- Tor and More conference (Uni Basel)
- SystemsX projects: WingX, BattleX, InfectX, SyBIT, ...



Contact & Resources about Webvanta

- Thibaut Siegmann
 - thibaut.siegmann@fmi.ch
 - +41 61 696 27 08

- Webvanta website:
 - <http://www.webvanta.com>

- Tutorials:
 - <http://support.webvanta.com/tutorials>

- Free webinars:
 - <http://www.webvanta.com/webinars/>



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Thank You

Any Questions?