The Web System

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[Cloud & SaaS](#)
[Manage Data](#)
[Manage Content](#)
[Manage Print](#)

[The Integrated Web System. Build your own Web Office.](#)

[Content Management](#)

[Cloud & SaaS Management](#)

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Site Search

younicycle Submitted our 1st Press release to postgresql.org + we are now officially an 'organisation', the US equivalent of 'organization'.
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younicycle The new site - is now live. Yay! younicycle.com Still thinking about a logo change.
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For Businesses
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Younicycle is an integrated, comprehensive and collaborative Web System that enables small businesses, departments of larger organizations and their respective developers to work together as a Team, bringing their combined talents and experience to the Cloud.
The integration of Cloud, Data, Content and Print Management provides a more complete and robust toolset for today's competitive business climate. It can and should be, your Web Office.
The Web System's breadth and depth allows you to create your own Web Office, tailored to the specific needs of your Company. The ability to collaborate is system wide and encourages ongoing participation by Developers and Knowledge Workers.

One Web System. It's all you'll need.
Younicycle is more than a comprehensive Web System. It is real-life, productive Team Building software. We believe in its power, its purpose and its potential to help transform your people and your business. Build your own Web Office, here.
Most Web related projects are Developer-Centric, requiring extensive knowledge of deep technology, code libraries and special environments, many of which change daily. A Developer lives for that mental challenge. Meanwhile, able Knowledge workers sit on the sidelines waiting and hoping for the results they require. Capable Non-developers become Non-participants. Urgent Projects slow to a crawl, drift into limbo and slip to the bottom of the stack before being discarded in their entirety.
The Web System's simplified Web Tools help bridge the Knowledge Divide, enabling Knowledge workers to collaborate with Developers and actively contribute during all phases of a project, each to his or her level of competency and particular skill set. Knowledge Management, at its core.

This balanced approach has resulted in a human factor design that allows non-developers to immediately collaborate with technical, web developers. It's time to dust off those abandoned Projects, revisit important ideas and fulfill long held dreams.

1
Read this one factoid, which summarizes why The Web System makes a difference (Update Site).

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Developed and supported by the Younicycle Web System
It's free, no credit cards required
Contacts

[Account Types](#)
[Free Trial](#)
[Web Cruiser](#)
[Web Cruiser 1200](#)

[Web System Overview](#)

Video, Files, Examples
Server Level:
Linux (Debian), Apache, PostgreSQL, Php, PdfIb + additional
The concept for the Web System began in 2001. Programming began in 2003, so we have been up and running for longer than many of today's Web acronyms and overlapping terminologies.

Nearly all content you view on the web is at the 'Web, Public Level'. Typically, there is a modest amount of allowed user interaction. Beneath that layer are various server applications & processes which is the ordinary work area for Developers.

First, the Web System has taken the Developer layer and partitioned it into it's own discrete work area. Each Account allows access only for that specific 'box'. In PostgreSQL terminology, this 'box' would be called a Schema.

Second, the Web System has built a set of custom web tools and user interfaces to allow Developers and non-Developers (Knowledge Workers) to work collaboratively within their box.

- The result for Knowledge Workers is that they are able to work safely & effectively at a much deeper level than the norm.

- Developers will also find that certain Tools streamline their own efforts. Although a developer could set up (example) his/her own CRON and Schedule manager, it would take time, effort and testing. Although he/she could set up a Print & Design Tool integrated with PdfLib, doing so would take thousands of hours, not to mention a license key.

Third, our long and deep experience has helped us to determine that Data, Content, Cloud and Print Management Components are significantly more flexible & powerful when integrated - as opposed to isolated. Print without Data is rigid & Data without Content less flexible, etc.

The Web System gives you understandable server access & control at a deeper level. Small businesses & Departments of a larger entities will enhance their ability to compete, day one.

If you require even more flexibility, we can install the Web System on your own server. There is no charge for the base System. We charge $50 per hour for the install, with a simple installation requiring 4 - 6 hours. Use this link do initiate discussion and a quote for installation services.

Installation on your own server should be your long term goal.

[Your Web Office.](#)

A quick search for Office Space in Rochester, NY popped up this result:

1,500 - 15,700 SF $8.52/sf/year ($1,065 - $11,147 per month) No utilities.

That's not too bad a price. The small office would be:

$12,780 ... ($1,065 x 12)
    3,000 ... (a guess at heat, electric, phones)
    6,000 ... (a guess at annual travel costs for 5 employees)
$21,780 ... per year
A Web Office will cost $360 per year or about $0.99 a day.

- You won't need to commute
- You'll be able to work anytime and anywhere as long as you have a web connection.
- You won't need to buy a Server, server software or pay a Server administrator.
- You're most likely going to save money on desktop applications and licenses.
- You'll be able to begin selling products and services online, almost immediately.
No, we are not saying 'close your physical business', but we are stating that establishing a viable presence on the web now is a prudent business decision for the future. Begin now so that you are better able to compete against much larger, technically proficient companies. The Web System will help you 'level the playing field', in short order and for a pittance.

"Forrester says that 192 million U.S. consumers will shop online in 2016, up 15% from 167 million in 2012. But the bigger factor in driving e-commerce growth is that each shopper will spend more on average, the report says. U.S. consumers in 2016 will each spend an average of $1,738 online, up 44% from $1,207 in 2012."

Be a Participant in the Evolution of the Web, not a causal observer.

We are
drowning in
 information but
starved for knowledge.

[Knowledge Management](#)
[Build your Knowledge Base](#)

Web System

For Businesses
Web System Overview
Web Office
Knowledge Management
For Developers
Plans & Prices
Contact & Support
Video, Files, Examples
A Knowledge Base is a special kind of database for knowledge management. A knowledge base is an information repository that provides a means for information to be collected, organized, shared, searched and utilized. It can be either machine-readable or intended for human use. wikipedia
According to witnesses, Saint Thomas Aquinas remembered perfectly every word he ever read.
Today, Thomas would be stressed.

Part One of the challenge is to filter enormous amounts of information and decide what is relevant and important for your business.

Part Two is being able to store, organize, search and share that information.

The Web System's built-in Tools include all of the elements necessary to build a hypertext Knowledge Base, a broad term that could be; a Documentation manual, an Employee Handbook, a Training Manual, Policies & Procedures Manual, an Emergency Plan, a Cookbook, a Customer Relationship Manual.
We needed our own variant of a Knowledge Base, so one of our extremely capable Developers created the framework for a Knowledge Base Application which can be easily adapted to any specific topic. The necessary Private web pages, Tables, queries, scripts, buttons, js events, php actions, Editor and instructional video are all written and packaged as a Web System Software as a Service Solution.

A quick web search for an application with similar capabilities popped up ~ $400, plus more for 'add-ons'.

Our Knowledge Base Application is installed in each Web Cruiser Account Plan, at no charge. You can use it, build on or expand as required.
Abbreviated functionality List:

- Includes fully Modifiable Application Design with GUI & WYSIWYG Editor
- Edit TOC
- Add, delete and reorganize Chapters, add / modify sub chapters (children)
- Include attachments, images, youtube, mp3
- Editor Notes
- Role based access, full ACL
- Import content
- UTF 8 (multiple language capable)
- Schedule publish
- Auto publish to html
- Highly Searchable with per page weight importance
- Change Notification

Unlimited versatility. Every element can be modified, to include design and automatic actions. Can 'clone' for alternate usage, allowing multiple, vertical Knowledge Base apps.

[Why choose the Web System?](#)

People that
complete other
people's vision are underappreciated.

Your Customer needs You.
We need You.

We know that Younicycle is not the 'magic bullet' that will fit correctly for every need. If your customer says;

"This project must be done with Oracle <insert flavor>, not PostgreSQL", what are you to do, walk away? Probably not. Younicycle is LAPP + (Linux, Apache, PostgreSQL, Php.

Our view is that:
1) Budgets are and will remain tight.
The more a customer must spend on hardware or software, the less they will have available for Project Development. So we provide low pricing.

2) Collaboration just makes sense.
This points back to #1. We are finding that customers prefer to have an Expert do the initial setup, but want to be able to perform updates on their own. These updates could include adding their own Content, tables, YouTube video, etc. The Web System makes it possible.

3) Innovation, without the price.
If you can demonstrate to customers - or prospective customers - that you have an innovative, affordable solution for their needs, they'll call you for their NEXT project, too. When they do, you may find they also send you a referral from thier own business network.

4) Watch an Expert work.
There's a reason why most folks like to sit and watch a glassblower, a blacksmith, a cabinet maker or a Master Chef.   There is a fundamental human need to learn, to grow. With the Web System, YOU will be the Expert artisan - and your customers will appreciate the opportunity to watch, learn. You will earn their gratitude, their respect and loyalty. Customer loyalty = Developer nirvana.

5) Bundle it up. Use it again.
You may create a Solution of 1,000 + objects with tables, queries, forms, site pages, charts, scripts & other files. Click a couple of buttons and it is bundled. Click a couple more - and it is installed for a different customer. Then further customize it for their specific needs.

6) We believe we hit the 'sweet spot'.
You're well aware that there are hundreds of thousands of 'projects' out there. Culling through all would be a Herculean, if not impossible task. So there may be a project out there that includes all of the Web System's versatility & all functionality with a better price. We keep our eyes open - and so far - it has not materialized.

7) Need even greater flexibility? Inquire about a Web System server install.

8) Interested in participating a Branch of the Younicycle Web System? Go here to sign up:
     Online Backup Service (spinbackup). Automatically Backs up all things Google + more to
     Amazon Cloud services. Underscores the importance of integrating Google ID.

[Web System Contact & Support](#)

We respond within one business day.
Support Center

Name:
*
*
Company:

Country:

E-mail:
Phone:

Category:

Message:
*
*
- required fields
*
 Send Message

Every Cloud
is unique.
Create your Cloud.
#1 - [Cloud & Software as a Service Management](#)

Google Integration
Google ID (OAuth 2.0)
Google Drive
Google Docs
Google Picasa, Calendar
Google Sync & GMail
Google Checkout (Google Wallet)
Website WYSIWYG Wizard
SEO, Google Verification, Metatags
Restricted (US law) Countries
Sitemap Generator, Google Analytics
Site search with page priority
Hosting, Web publishing, Company Email
 Software as a Service (SaaS)
Create a SaaS (SaaS Packager)
Integrate other SaaS into your Account (SaaS Aggregator)
Internal, SaaS Analyzer
Install Web System created SaaS
Integrate Social Media
 Website Development
Pull XML, display Site Feeds & re-use data
- Google ID (OAuth 2.0)
- Website WYSIWYG Wizard
- Create a SaaS (SaaS Packager)
- Sitemap Generator, Google analytics
- Hosting, Web publishing,
  Company Email
- Integrate other SaaS into Account
- Internal, SaaS Analyzer
- Google Drive
- Google Docs
- Google Picasa, Calendar
- Google Sync & GMail
- Google Checkout
- SEO, Google Verification, Metatags
- Restricted (US law) Countries
- Site search with page priority
- Install Web System created SaaS
- Integrate Social Media
- Pull xml, show feeds & reuse data
Google Integration
Software as a Service (SaaS)
Website Development
 Click each item for a Summary + Video & Screenshots on the right

The Web System has been built to allow (not require) you to integrate your Account with many of Google's services.
Each possible item can be synced individually, allowing you to control the scope of services, to include 'none'.

One of Google's many objectives is to enable businesses and developers to take greater advantage of Cloud services while lessening the need for expensive and redundant desktop applications. Our objectives on this issue are compatible.
Third-party Web Systems, websites and applications can now let visitors sign in using their Google user accounts.

'Google supports the OpenID 2.0 protocol, providing authentication support as an OpenID provider. On request from a third-party site, Google authenticates users who are signing in with an existing Google account, and returns to the third-party site an identifier that the site can use to recognize the user. This identifier is consistent, enabling the third-party site to recognize the user across multiple sessions.' (Google 6/26/2012)

The Web System has done much more than simple exchange of an identifier. We have enabled the Web System to use many of Google's services from within your Web System Account. All you need is a Google Account.
Google Drive is Google's answer to your Desktop Hard drive, except that it is on Google's Cloud and only stores the specific files you choose to save on Google Drive. Google 'Cloud' Drive can also be activated on your Desktop (Google 'Local' Drive). These two Google Drives 'sync' to each other - in other words, ongoing backup. Save a file into your Google 'Local' Drive and it is immediately backed up to Google 'Cloud Drive' and vice-versa.

The Web System can be set to sync to your Google Cloud Drive - or a specific folder in your Google Cloud Drive - which is already synced to your Google 'Local' Drive. Thus ...

In short, by using Google ID + Google Drive, you can save items on your local drive and make them available for use in the Web System. Google is used for 'web transportation' and the Web System is used to expand on the capabilities of Google with integrated services for Content, Print, Cloud and Data Management.
Google Docs can be opened and worked on from within your Web System Account. In addition, you can import a Google Spreadsheet into a Web System SQL Data Table and export Data Tables back into Google Spreadsheets.
You can also backup specific Web system objects or folders to Google and vice versa.

Your Knowledge Workers will be working in a consistent environment and GUI and not constantly opening / closing / and logging into different web applications.
Images in the Web System can be uploaded to Google Picasa and automatically with sync back to the Web System.
Google Calendar can also be synced to the Web System.
Specific GMails, Folders or your entire GMail can be backed up and synced into the Web System, including attachments which can be repurposed within the web system. You can read a digest of your GMails and search for specifc items.

Backing up your GMail may seem unimportant - until that one moment you accidentally delete one important message message from your GMail account. Then, it becomes important.
Many small business would very much like to get their product or service offerings online. After all, the web is a low cost distribution network and any additional revenue can be a big boost to the bottom line.
The 'stopper' for most small businesses is the the Shopping Cart. How to sell the product/service - and get paid for it in a timely fashion, can be a mind-numbing mystery. Very few (if any) small businesses harbor any desire to be responsible for holding Credit Card information because of security concerns and even fewer have the knowledge of how to set up a gateway payment system with Major Credit Cards or Banks.

Problem solved. The Web System is integrated with Google Wallet. All you'll need is:
- a Google Wallet account
- a bank account for receiving your funds
- products to sell
- a Web System Account
- your own domain name (~ $15 or $20 per year)

You won't need to buy special software. You will never worry about Credit Card numbers or correct hookup with credit card companies. We took care of the software programming and Google Wallet handles the rest of the puzzle. The Web System is also automatically set up for PayPal and LiqPay.

Get your Products to the Cloud. Use the Web System to enhance your bottom line.
Website Development can include every facet of the Web System; Cloud / SaaS along with Data, Content and Print Management. Below, we'll touch on but a few of many the tasks and tools that can and should be handled by a Knowledge Worker without any assistance from a Developer.

Although all of us cruise the web, it's good to remember that the Cloud is also gathering information on us.
The Website Wizard is a WYSIWYG Tool with an unlimited variety of possibilities, among which is the ability to add or edit 'static' text. Any Knowledge Worker can use the static text tool. If you can type, you can use this tool.

Recently we selected an arbitrary classification of the Yahoo Directory that had links to 35 websites. We expected broken links (dead sites) & pages that timed out (server down/misconfigured), but what we didn't expect to see were 20% of viable businesses that had not changed their Copywrite date ..... for 3 to 7 years.

Important? No, not particularly, but indicative of a broader problem; no one knew how to fix it. This is a 5 second 'anybody can do it' fix with the Website Wizard.

Remember, at least a small segment of the world is watching.
Certain items should require zero 'developer skills'. No business should need to sit and wait for a developer to fix or edit their metatags, enable Google verification or write about their own business.

The Website Wizard allows you to fix easily corrected items, day or night. No special skills required.
The US has a list of embargoed countries (Cuba, Iran, North Korea, Sudan, and Syria) along with additional countries that have a lesser set of sanctions. If IP addresses from those countries cannot load your web site, then your risks of running afoul of US law would seem to be minimal. Other countries may have their own, similar list.
A business should be able to fix this item.

With the Website Wizard, you can easily fix it yourself.

This is another item that can be corrected
A Sitemap.xml is a special xml file that gives a set of simple instructions to Search Engines such as Google, Yahoo and Bing. snippet:
<url><loc>http://your_site.com/about.html</loc><lastmod>2012-10-10</lastmod><changefreq>weekly</changefreq></url>

The Website Wizard automatically generates this Sitemap.xml file, but allows you to easily edit on your own.

Google Analytics code is special Google code that tracks visitors to your site and provides information that can help you better market your goods and services. In order for Google to track this info, you need to put a special code in a webpage. This is a simple task, easily done with the Website Wizard. Not every website has 'site search' and those that do, often use clumsy and slow methods. The Website Wizard accesses a powerful text search feature of PostgreSQL and also allows you to 'rate' the relative importance of pages which will rate higher within your own sites, searched results.

You can do this yourself. The website wizard has greatly simplified the task such that no special skills are required.
If you choose to Host your website from the Web System, it opens other possibilities. There is no additional charge for the services below.

The Website Wizard makes Publishing your website to the Web a do-it-yourself, one-click process. Up to 100 domains are covered within your account, with a small charge for additional domains.

Company webmail (your own address) is available for those that have their own domain and host through the Web System. Your own email account (joe@mysite.com) gives a comfort level to those considering your products or services.
Setup takes a few minutes. Up to 20 email addresses are available per account, but more are available for a small fee.
You won't need to get a special email server, server software or server Admin.
The Web System itself could be categorized as a Software as a Service, an Integrated Development Environment or even a Platform as a Service. It is unique and predates many of today's trendy terms.

By now, you should see that its functionality is very broad and deep. Below are but a few additional, deeper levels of functionality: (1) you can use the Web System to create an SaaS (2) You can run other OAuth 2 SaaS from within your Account (3) You can share (or sell) your created SaaS to others (4) You can easily integrate & tweak Social Media (5) Yu can pull other's site data into your Account and repurpose or analyze.
The Web System is not only for Management, it is for Creating 'objects'. When you work in your account, you are at least one full level deeper than a typical online site or application. A multiuser desktop in the Clouds.

So imagine this: You and your Team use the system to it's fullest. When your project is done, you have 1,000 objects (Images, Tables, Queries, Views, Functions, Web pages, php, css & JQuery scripts, print templates, CRON jobs ++ more, all working together. It's good, real good and others outside your own business feel the same. In fact, they'd be willing to pay you for their own version.

That's the purpose of the SaaS package. It bundles up all of your complex project with just a few clicks. Continued ...
Back at the top of this page, we spoke briefly about OAuth 2:

'Third-party Web Systems, websites and applications can now let visitors sign in using their Google user accounts.'

Any non-Youncycle Web System SaaS - that is also OAuth 2 enabled, should be (not guaranteed) able to be loaded directly into your Web System Account. We have tested ~ 20 different OAuth 2 SaaS thus far and all open within an Account. A specific example is pixlr.com, a photo-editing SaaS.

1) Opened pixlr from within the web system (2) Worked in Pixlr, saved an image to Picasa (3) Became automatically available in the web system (Picasa was synced) (4) Loaded the image to a web page and included in a pdf.

Your Knowledge Workers will be able to work with other SaaS from within one, central location. Seamless.

One more reason to get a Google Account. One more reason to use the Web System.
You Packaged Solution, but you know that it is always best to test and debug before you sell. The SaaS Analyzer can help you with that task by identifying broken dependencies (links as an example). Clean up those stray items, repackage and test again, before you install.
You will be able to install your Project SaaS Solution into any Younicycle Web System Account or Web System server.
If you need to write documentation to accompany your solution, let us know. We wrote a mini-Solution, specifically for the purpose of documenting Solutions. Yours to use, at no charge.
If you look around this site (particularly the Home page), you will see a bit of Social Media Integration. You can share to Facebook, Twitter, GMail, Google Plus at any time with a click, but that's only a small part of the story.

You can also display Twitter feeds, have a subdomain for your Blog set up for Google Blogger or even augment the capabilities of YouTube. The Web System gives you either the direct method & GUI - or the building blocks to accomplish your goal. Here's an example:

-- Knowledge Worker: I want to create one 10 minute YouTube video instead of 10 one minute Videos.
   Then I want to embed the one video in a web page and display links that will open the YouTube video at very
   precise times within that video. This method will make it easier for web visitors and also make it easier to maintain.
   Can this be done with The Web System?

-- Developer: Let me think about it. I think the answer is 'yes'.

..... 45 minutes later

-- Developer: I set up a usage example for you. It uses an OnLoad event + JQuery and an additional file.
   See if this will work for your needs.

-- Knowledge Worker: Perfect!

.... and this is how Collaboration should work. The Developer focuses on difficult, technical tasks and the Knowledge
     Worker works within his or her capabilities.
This is the last, random example of Cloud & Software as a Service Management.

1) You want to display content that is freely available on a different site, on your own site. In this case, a RSS Feed from Apple. This 'project' will take about 1 minute. Use the Website Wizard, lay down a pre-built Gear (similar to a Widget) on the web page, enter the URL and Save. That's it, you're done.

2) You want to use and analyze content that is freely available on a different site, in this case, weather data from NOAA.gov This project will take ~ 30 minutes:

- Create a datasource with a bit of php to pull the appropriate raw data from NOAA.gov.
- Create a Table that will hold the raw data with the same data structure
- Further Assign the datasource to the Table and populate the Table
- Set up a CRON job to periodically pull the data from NOAA.gov into the Datasource and the linked Table
- Write a query to analyze the table data (aggregates, averages)
- Create a bar chart in the Chart Wizard based on the query output
- Display the Chart (changes after each new CRON) on a web page.

The above items are but a few examples of where business Knowledge Workers can work without a developer. Nevertheless, it is important to note that Younicycle Staff Developers are the ones that made this possible.

The Web System allows Businesses and Developers to Collaborate, each according to his skills.
The above is a very abbreviated Summary of the basic functionality of Cloud Management, the 1st component of the Integrated Web System.

Google Spreadsheet Example
You can work on and even create new Spreadsheets from inside of your Web System Account. Google Spreadsheets have many of the features of an

The Integrated Web System. Build your own Web Office.
[Compare Web System Plans](#)

Test Drive
The Web Cruiser
The Web Cruiser 1200

FREE Web System Trial
A Trial Account includes Younicycle Basic Web Cruiser plan functionality with limitations as detailed below.

The Web Cruiser (basic model)
Includes all of the Web System's fully integrated tools, versatility & power. You and your Team collaborate & build your Web Office. Start today.

 $35 per month
$360 per year - SAVE $60!

$1.50 per gig per month for Additional storage

30 Days, FREE.

Developers will be System experts. Guaranteed.
 $1,200 per year (Preferred Plan)
$100 per month
Includes the Web Cruiser + 2 users + 40 hours of expert, Developer work which can include any development task that can be supported by the Web System.
The Annual Plan gets you up to speed in a hurry.
Annual plan: Hours tracked daily + weekly report.
Entire project always available for your review.
Multiple specialists as required; site design. queries, etc
Monthly plan can be downgraded to Basic model.
Monthly plan - max dev hours of 4 per month.
May include writing copy (text), metatags, etc
May include non-System work. Twitter design, etc.
Annual plan hours best used 'up front'.
2 registered users per account
1 GB monthly traffic
1 GB storage space
1 GB Max File Size upload
No domains and DNS support
No extra features
No Web Mail access
No Account backups
3 registered users per account
5 GB of Storage Space
20 GB Monthly traffic
1 GB Max File Size upload
100 domains, DNS support
Gmail, Docs, Picasa, Google Sync
Web Mail access
Account backups
Unlimited sites, images, Tables, queries, scripts, files, etc
The Web Cruiser 1200

Hours are for work (not vacation, holidays, sick, etc).
Your KnowledgeWorkers/devs participation encouraged.

May include multimedia (FLV, SWF, MP4, YouTube)

Annual plan can be downgraded to Basic after 1 year.

Annual plan can be enhanced (quote).
Try before you buy.
The Mini-Fleet (3 Web Cruisers minimum)
$2.50 for Each additional Registered User per month (multi-user also ok)
Try before you buy.

Upgrade to any of the other Plans from inside of your free Account.
$1.00 per gig per month for Additional traffic
A Discount is available for Resellers or in situations where intermingling of Departmental data is forbidden or for use as a valuable add-on for the services you provide for your own Customers.

Contact Support for more detail.
+
A flexible Knowledge Base application, at no additional charge.

#2 - [Data Management System](#)

Data is the
new soil.
Files   Images   Links   Video

A Server Database that has more Power and is more affordable than a Desktop database
User vs Multiuser
Internal, 'Casual User'
External, Web user
Real SQL
Portable
Web and/or Local Version
Create unlimited PostgreSQL Tables
Fifteen 'base' datatypes + Composite Types (supported within the Editor)
Unique, Check & Foreign key constraints
Import data, export data
Indexes
Data GUI
Web System Graphical Query Builder
Tab 1: Dataset Design (visual & WYSIWYG GUI)
Tab 2: Expressions Editor
Tab 3: Where Clause
Tab 4: Group by Expressions
Tab 5: Having Clause
Web System SQL Table Editor & data GUI
Tab 6: Window Clause
The most common Desktop Databases (Filemaker, Access) are single-user. Each additional user requires a license key.
- The Web System is Multiuser and it's built-in. Each user can be further designated as multi-user.
-- You will reduce your licensing fees and application costs with the Web System.

To get The latest version of a Desktop Database, you must upgrade and pay more fees.
- The Web System upgrades all the time, without charge.
-- You won't need to pay for - or install upgrades.

Desktop Databases live on the desktop. To get to the web requires Server software + Hardware.
- The Web System lives on the web.
-- No additional hardware, software or complex administrative tasks are required.

Desktop Databases may strain under a modest load.
- The Web System is an enterprise class, transactional database.
-- The Web System uses PostgreSQL which is a workhorse built for a heavy load.

Triggers
Tab 7: Order by Expressions
Tab 8: Manual Edit of the auto SQL
Tab 9: Test the Query
Direct SQL for Experts
Query Data View & GUI
SQL Views
SQL Functions Editor
Automatic Datasources
CREATE VIEW defines a view of a query. The view is not physically materialized. Instead, the query is run every time the view is referenced in a query. You cannot insert, update, or delete on a View but it is useful as it is treated as a Table when writing a Query, allowing you to use the result of 1 query (the View) in an entire different, new Query. This additional flexibility is often helpful. You can also create a Table from a View, capturing the data state at that moment.
The Web System gives you the ability to create your own Private Functions, which automatically load into the Expressions Editor of the Query Builder.

These Private Functions may be peculiar to your business or simply a means of simplifying a complex but oft-used algorithm. An additional benefit is simplicity. A typical Knowledge Worker would be stymied if required to type a 20 line set of code. A Private Function may be able to reduce it to two or three simple items. The procedural language is PGSQL and is built into every PG install, so any Function you write, is also portable.
Last, though certainly not least are Datasources. Datasources are (simply put), a floating layer of Data that are built off of an original set of data. So a Table could have one or more Datasources, as could a Query or a View.

This additional layer allows you to safely get data to webpages without worrying about SQL injection & other evil gnomes. In addition, it allows you to manipulate the 'floating layer', without damaging the original layer. As a result, PHP can be safely written specifically for the floating datasource layer, giving you complete control your data environment.

A datasource allows you to put your pseudo data safely onto a web page. A very simple example is above (Preloaded functions list). The list is in a Table -> a simple Select Query sorts the output -> a Datasource was made on the Query and a field placed on the web page.

A Datasource is a part of what makes the Web System different. It's an important helper that assists in allowing the integration of Data Management to Content Management, Print Management and Cloud Management.

A Datasource (enormous, learned articles describe how to set one up) is created with the Web System with One Click.
Just one. It's all you'll need.
The Web System Table Editor was built to allow you to create your own tables and design those tables into a database according to your own business needs. This ability to create SQL Tables is much deeper than the 'web norm' and does not require you to set up a web server or hire an Admin. If you can understand a desktop system such as Filemaker or MS Access, you will be able to master the Web System's Table Editor in short-order.

We do not impose a specific limit on the number of SQL Tables you may create or the size of those tables, nor do we charge 'per table' or 'per row'. Your Web System total account, standard storage space (50 gig) can be increased on demand. However, very large Tables may require specific performance tuning in order to maximize query performance. If this becomes a need, it is possible you will need your own Web System Server software on your own box. We can assist in server setup and tuning. Colocation with our data center is also possible.
- autoincrement
- smallint
- integer
- bigint
- numeric
- real
- double precision
- character varying
- text
- date
- time
- datetime
- boolean
- file
- link
length, precision, default values, not null, comment on, drop column, alter column
The following, per column settings:
+

Check Constraints name constraint, drop, add, expression
Unique Constraints
name constraint, drop, add, columns
Foreign Key Constraints
- name constraint
- referenced table,
- columns,
- local field,
- referenced field,
- on delete
- on delete,
- on update (no action, restrict, cascade, set null)
- set default
- full match, simple match
- drop
- add
You can choose from datatypes that are most appropriate for your Tables.
You can create constraints on your data columns to reduce data entry errors and help to automate tasks.
You can get data into and out of your Tables with pinpoint controls + comprehensive Google integration.
Export data
- column selection / removal
- xml, xls, csv (, ; | tab)
- local Download
- Copy to Files and Open in Web System File Manager
- Copy to Files and Open in Google Spreadsheet
Import data
- bulk import
- small file copy paste + delimiter
- field mapping
- column selection / removal- xml, xls, xlsx,
  csv (, ; | tab), user defined
- data starts on Row x
- ignore Unique constraints
- 10 row data preview
- skip column

- name columns
- drop, add, columns
  (B-Tree only)
Indexes may speed up query performance for large datasets. PostgreSQL's excellent query planner usually makes Indexes unnecessary.
Nevertheless, they are available (B-Tree only).

Table Triggers 'make something happen if something else happens.' Said differently, automatic execution of an event.
Table triggers can significantly reduce repetitive tasks. The Web System even includes Conditional Triggers, 'make this happen but only if .x.y.z.'.
- name,
- before, after
- insert, update (on columns), delete
- for each statement, row
- edit event conditions
- run procedure
- parameters

Composite Types
- add, define
- drop
- auto-loads into
  Table Editor
The Web System also includes a Table Data GUI, that allows you to manually insert rows, delete rows, update rows and their data, per column. In addition, you can sort your view and do a 'quick find' for data in a particular Table. This is helpful for relatively small datasets. The SQL for each change is done automatically in the background and does not commit until you 'Save'. Modifying larger datasets would be done more efficiently by using the Query Builder (below).
The Basic Web System (the Web Cruiser) includes three Users, one of which must be your internal Administrator.
The other two Users can be 'single users' or Multiuser. If a User is designated as a Multiuser, then several Knowledge Workers can login with the same name and work concurrently. Works quite well.

What if you want to add one more 'single user'? You can, at the price of $12.05 per year. How does that compare to getting an additional license key for your current Desktop Database? Pretty good, we suspect.
The Web System is set up with a comprehensive Access Control List and Role Based Access Controls (see Content Management). A set of Knowledge Workers can be designated multiuser with a Role that excludes database privileges, yet still do simple data entry tasks via an internal web form.
The Web System is set up for Private (log in only) or Public pages where each page and site can be individually marked as Public or Private. External Web users do not count as Users. You can have 539 people viewing your external web pages but they do not count as Users.
The Web System creates and uses real SQL. Although there may be slight differences between the Web Systems PostgreSQL output vs DB2, Oracle, MySQL, etc - the differences (if any) can usually be adapted to a different system. However, the output for desktop databases is often 'unknown', hidden and / or proprietary. 'View the SQL'
buttons are available throughout the Web System.
The Web System allows you to 'Export a Table Snapshot', which includes all the Table information + Data. This snapshot can be loaded on any PostgreSQL system, anywhere. Same idea for Queries. Try doing that with a desktop database such as Filemaker.
The Web System can be set up on your local, server hardware - allowing you greater freedom and flexibility than can be set up here, on the Web. As an example, we will not set up Explicit casts on the web, but with a local version, you could do it yourself. If you'd like your own, local version, let us know. We do not charge for the System - but we do require that we set it up (install). Installation is complex and not simple, point and click. Use Support for a Quote.

The Web System Data Management component includes a Graphical Query Builder that auto-generates SQL via menu selections, drag and drop and a reduced level of keystroking.   This does not mean that the generated SQL will be 'smart', that it will make sense or return your desired results. That's often a function of your own experience.

Knowledge Workers can expand their abilities by learning new skills - but - no one wants to learn new skills if it causes damage. That's why we included a special Tab: Test Query. Test Query shows you what would happen if you actually went ahead and applied (committed) the query, which we think is much more prudent than 'Rolling back' (undoing), a truly awful result. We learn from awful results, but it sure is better to learn when they are safe, yet instructive tests.

After you are fully satisfied with your Safe Testing - then Save the Query. Early on, use the Query Builder to learn SQL by using unimportant test Tables. Later, use it to apply (commit) SQL on your Production Database. In the future, you may become such an Expert that you won't even need the Query Builder. You'll use Direct SQL.

A Knowledge Worker with experience in desktop applications such as Filemaker or MS Access will be able to work effectively within two weeks. PostgreSQL has much deeper capabilities than a proprietary, desktop database so your skills and knowledge will grow. What is below is but a brief summary and list of features.

On Load of a new query, a user is given the choices of query 'types' (Select, Update, Insert, Delete or Edit SQL). This 'split-method' makes digesting SQL simpler for Knowledge Workers. A sufficiently well-versed Developer can use 'direct SQL' and simply type (ask Support for more info if this capability is required).
- Select distinct, limit, offset
- New, edit, delete expression
- Alias
- All tables/views/set returning functions &
  columns displayed
- Collapse/expand
- Operators (keypad)-- +, -, ||, *, /, %, and, or,
  not, <,   >,<=, >=, =, <>,',', ;, ", (), CR
How you pull and combine data from your Tables is largely dependent on the decisions you make from within this Tab. Experiment and safely test your results by using the Test Query Tab.
The Expressions Tab has multiple capabilities. You can be simple and select a specific data columns or you can apply math, string and other calculations to expand on the original selections. The functions are very similar to those of a desktop database such as Filemaker or that you'd use on a spreadsheet. Remember - that a Select query (by itself) does not change the Table data. Once again, experiment.
Preloaded functions (see full list - right)
-- Aggregate, Arrays, Conditional,
   Formatting,   Date / Time, Financial,
   Math,Query builder (Prompt)
   Statistics,
   String, Trigonometric,
   Save/get User Expressions,
   User functions, Window functions

Preloaded Functions List
Drag & drop tables, Views & Set returning functions output
- Joins; Left, Right, Inner, Full, Self
- Drag (reassign) Joined columns
- Edit Execution order
Click the WHERE Tab and the Expressions Editor will open. You'd then click the item of interest and proceed.
If the WHERE clause is specified, all rows that do not satisfy the condition are eliminated from the output.

Conceptually (not sql): 'Show me a list of all employees NAMES WHERE their AGE is GREATER THAN 45.'
Each of those that are 45 or younger would be omitted 1 x 1 from the displayed list. WHERE is an optional clause.
GROUP BY is also optional and once again, opens the Expressions editor.
GROUP BY will condense into a single row all selected rows that share the same values for the grouped expressions.

If one of your Tables has 'gender' and 'birth date', you could calculate an AVERAGE (an aggregate function) AGE per gender. Ideally, only two rows would be displayed, each with the average age.
The Having clause is also optional and once again, opens the Expressions editor.
The Having clause is similar to the WHERE clause, but instead, it eliminates group rows that do not satisfy the condition. So, HAVING filters group rows created by GROUP BY.
The Window clause is also optional, though it opens an entirely different editor.

The Window clause allows you to dig much deeper into data analysis. Unlike regular aggregate functions, use of a window function does not cause rows to become grouped into a single output row — the rows retain their separate identities.

An excellent usage example and Tutorial is here: Postgresql docs
Order by allows you to sort the result set. Although it is optional, your results may appear very random without using Order by. Once again, the expression editor opens for selecting and can be set to either Ascending or descending. In addition, NULLS can be sorted to be FIRST or LAST.
The Query Builder allows you to combine Queries (UNION, INTERSECT & EXCEPT) via manual edit in the SQL Tab.

UNION effectively appends query2 to the result of query1 and eliminates duplicates. UNION ALL includes duplicates.
INTERSECT returns all rows that are in query1 and in query2 results. Use INTERSECT ALL if you want duplicates.
EXCEPT returns all rows that are in the result of query1 but not in the result of query2.
You can also manually edit other portions of the autogenerated SQL in this tab.
You can and should test your output in the Test Query Tab, which also allows you to drag columns, resort and resize. The Test Query Tab also allows you to test parameters for the specific query and Chart the results (Segment, Step, Reverse Step, Vertical, Horizontal & Curve).
If you are an advanced user and the Query Builder has become more nuisance than Tool, let us know. We'll show you an example of Direct SQL. An additional alternative is to install your own Web System - Contact Support.
The Query Data View has the many of same features as the Table Editor Data View, with the exception being that it is not possible to Update, Delete or Insert new rows. You'd need to adjust your Query to change your result set output. See the screenshots or video. Better yet, get a Free Trial account and test it.
The above is a very abbreviated Summary of the basic functionality of Data Management, the 2nd component of the Integrated Web System.
- Create unlimited PostgreSQL Tables
- Tab 1: Dataset Design (Visual GUI)
- Import data, export data
- Tab 2: Expressions Editor
- Tab 3: Where Conditions
- Internal 'Casual user'
- External Web User
- Real SQL
- Portable
- Web and/or local version
- Fifteen 'base' datatypes + Composite
- Unique, Check & Foreign key constraints
- Indexes
- Tab 4: Group by Expressions
- Tab 5: Having Condition
- Tab 6: Window Clause
Server has > Power
Web System Query Builder
Web System SQL Table Editor
- User vs Multiuser
- Triggers
- Table Data GUI
- Tab 7: Order by Expressions
- Tab 8: SQL Editor
- Tab 9: Test Query
Direct SQL for Experts
Query Data View & GUI
- SQL Views
- SQL Functions Editor
- Automatic Datasources
+
 Click each item below for a Summary + Video & Screenshots on the right.

Files   Images   Links   Video
Extend the Power of Google Apps

Create a PostgreSql Table in 2 minutes

Create a Query (full join)

Create a History Table, Table Trigger, Trigger Function

Iama becomes curious (about Datasources)

If your CMS doesn't manage Data, Print & Cloud, what does it manage?
#3 - [Content Management System (CMS)](#)
Files   Images   Links   Video

Web System

For Businesses
Web System Overview
Web Office
Knowledge Management
For Developers
Plans & Prices
Contact & Support
Video, Files, Examples
 Click each item for a Summary + Video & Screenshots on the right
 Click each item for a Summary + Video & Screenshots on the right
 Control Content
Role Based Access Control (RBAC) & Access Control List (ACL)
File Manager & Management
Php online (Php Actions)
CRON and cron jobs
Private Website
Update Website
Add, embed and control Video, MP3
Add and Edit JQuery
Add and Edit CSS
Simple IFrame
GUI Interface & Design
Weather widget, Google Map, Capcha, Tag Clouds + more
Use the full Web System
Install Web System created SaaS
Use Dynamic Data Management
Include Print Management and Pdf
This time, Collaborate and Update Content
Establish Goals and Plan for Future Projects
Video, JQuery, CSS & more
Keep building the Knowledge Base

Control Content
Use the Full Web System
Video, JQuery, CSS & more
- File Manager
- Php online
- CRON and cron jobs
- Private website
- Update Website
- Simple IFrame
- Weather widget, Google Map,
  Capcha, Tag Clouds + more
- Add and Edit JQuery
- Add and Edit CSS
- GUI Interface & Design
- Install Web System created SaaS
- Use Dynamic Data Management
- Include Print Management & Pdf
- This time, Collaborate & Update Content
- Establish goals & plan for the future
- Keep building the Knowledge Base
- Role based Access Control
- Add, embed & control video, MP3

A significant part of Content Management is being able to exert control over the people that are allowed to add, update and delete Content. Without those controls, you will be trapped into the equivalent of 'herding cats'. The Web System includes an Access Control List with assignable privileges + Role Based Access Control (RBAC).

A solid File Manager and a Scripting Editor (php online) can streamline tasks, so both are included. Automation or 'timing' of events can also prove valuable (more on CRON below). Establishing Private (internal use only) vs Public (any web surfer) is a critical Security concern and has also been addressed.
The Web System includes a comprehensive Access Control List with over 330 assignable and actionable Privileges:
- Example: 'File Manager - Upload Object' - which can be assigned in any combination with other Privileges.

The Account Admin (usually yourself) create Roles that include specific Privileges, then assigns specific Users to that Role. If that Role does NOT include a specific Privilege, the User will be blocked from the attempted Action. There is no limit on the number of Roles that can be created.

The Web System is presented as 4 separate modules - but there is no internal requirement that a Role's privileges be similarly split. A Role that overlaps portions of Data & Content is common. This allows you to create Roles based on a person's skills, not an arbitrary designation. This flexibility enables people-based, system integration.
The list of possibilities offered by the File Manager is extensive, with each action actuated by an understandable, Graphical User Interface. No coding ability is required.
Php, the most commonly used Server-side HTML embedded scripting language, is our choice for your scripting environment with a complete Developer's Coding Editor within each Web System Account. Features include:
Cron is the time-based job scheduler in Unix-like computer operating systems. Cron enables users to schedule jobs (commands or shell scripts) to run periodically at certain times or dates. It is commonly used to automate system maintenance or administration, though its general-purpose nature means that it can be used for other purposes, such as connecting to the Internet and downloading email. (from Wikipedia)
The Web System's Website Wizard provides you with the capability to create an unlimited number of internal, Private Websites that can only be viewed by logged in Users with sufficient privileges (see RBAC). These Private Sites can act as a web gui for your employees or customers. You'd create and design the site the same as any external, Public website, then designate it as Private. All content will be cordoned off from search engines and it will be secure.

This 'inner web' capability is very useful. Most work on the web is hidden and Private.
Updating a website would seem to be a 'given', yet many sites are rarely, if ever updated.

We recently selected an arbitrary category within the Yahoo Directory and followed each link (35 in total).
- 6 sites no longer exist
- 3 sites timed out (server problems)
- 0 sites had any Social Media linkage or integration
- 15 sites did not have a Contact us form
- 9 Sites had a login button (for Private, internal website). None of those included Google ID login.
- 0 sites made use of JQuery
- and here is the stunner; 18 sites had outdated © (copywrite) dates, some of
  which were dated by eight years.
The Web System stays on top of current web tools and loads their basic framework into each Account. You won't need to install on a server or maintain new releases. We build on the basic tools with simplified guis or coding editors, plus preview features that allow you to preview and test before you 'go live'.
Internal to the WYSIWYG website Editor are Tools and corresponding Properties for each of those Tools, allowing you to eaily configure and embed swfs, Flash Video (flv), YouTube and mp3 files. Additional control can be added via the Php Actions Editor, onBeforeLoad, OnLoad and other page events or object events.

A Knowledge Worker (example) can open the Editor and reassign a YouTube from an 'old' video to a new video by simply pasting the new YouTube video ID. A Developer can get more technical and (example) add JQuery to the page that will allow click of a link that will open the YouTube Video at a specific time on the timeline of a long movie.
JQuery can add some 'pop' to to webpages and is commonly used during new Site development.The framework for JQuery is built-in and an Editor is provided for Developers. You can control the load sequence of the files from within the Website Editor. Any initial JQuery file is typically created by the Developer. A Knowledge worker could save a copy - make minor edits on the copy, then hand off to the Developer to make sure that nothing was 'broken'.

With effort and over time, the Knowledge Base of your Team will grow.

The Site Wizard does not require JQuery, but it can use external JQuery.
CSS (Cascading Style Sheets) help control appearnace and can be very simple - or extremely advanced. The Website Editor allows you to load one or more CSS files that can 'point at' specific objects or the entire page.

An Editor is provided and as with JQuery (or Javascript), a Developer will usually create any initial file while others can copy, edit and test. CSS is not a requirement. The Site Wizard does not require special CSS, but it can use external CSS.
An IFrame is a 'window' to a different page.

Adding an IFrame to a different page that 'pulls' a different page can be a useful Content tool. Adding an IFrame only takes a few minutes. After you've seen how one is set up, you'll be able to do it yourself.
The Website Editor gives makes a set of Form Tools available on the Toolbar for:
Certain 'Widgets' (we call them 'Gears') were requested so often, that Younicycle staff developers decided to create simple drag and drop variants. When dropped on a Site Editor Page, a streamlined GUI allows the user to fill in variables appropriate for that type of Gear.

Weather, Bookmark Link, Display Captcha, 4 column list, Google Map v3, Random Image, Favicon, Google Map, Tags and Clouds, Dynamic vertical resizer, Logged user, Cart Toolbar, Pages Search, Display Feed (RSS/RDF), Simple Contact Form, Search Results, JS Media Player, YouTube, and Gallery. are the current types. Most of these invlove some 'heavy-duty' php, working in the background. Your developer can create these for you - and embed in a Filler.

These simplified Gears are easily set up by a non-Developer, particularly after viewing one usage example.
A Traditional Content Management System does not necessarily allow the integration of all components, at least not without serious beef-up of the underlying server software. The Web Cruiser Plan starts with full integration as soon as you login.

Take advantage of the full breadth of the System. Your dynamic Content will attract visitors and new customers.
Any time you install a SaaS created by the Younicycle Web System, you will have instant Content.

This content could be in the form of a database, charts, images, gui, php, print design or any other aspect of the System. Younicycle staff occasionally creates freely available SaaS for Account holders. You are encouraged to create your own - and install and deinstall periodically, in order to 'freshen' your Content.
If you review Data Management + Cloud Management, you will see that bringing fresh data to the page is a straightforward task.
New products, services, rss feeds, ongoing queries, charts + more can be dynamic and change your content daily or more often, as required.
Pdfs created by the Web System are an interesting addition to Content Management portfolio. You can add links (urls) within the Print Designer, along with metadata that clearly identifies the source of the content (your business).

Search engines do index the content in a pdf and since it is portable, it may (with your permission) be found on multiple sites, all of which point back to your business.
Please take the Yahoo Directory example (above) to heart. Though the Web System provides you with an array of Collaborative Tools and services, it requires your Team's persistent initiative to Update and maintain content. Make it a monthly task (at a minimum) and use the CRON Manger to send you a reminder, every month.
If you continue to use the System, you will begin to learn more about its diverse functionality. As you discover how to use each Tool, you will also be able to extrapolate your learning into real products, services and efficiencies. If you have the question, 'Can this (xyz) be done?', make sure you ask. We will give you our opinion and general suggestions.

There's no charge for opinions. We enjoy it!
Document your learning and build your Knowledge Base (see the link to the left). None of us can remember every detail, indefinitely and you may have turnover (developers) or your own employees. Having your own, succinct 'internal usage manual and thoughts log' will become valuable over time.

Encourage your Team to learn new skills. The 'old way' of doing business may have a limited life. Now is the time to hone your skills for what should be a very interesting future.

The Knowledge Divide continues to widen. Get started now - or run the risk of being left behind.
Create a New:
Folder
File (Text, JS, CSS, xml, html)
Php Action
Database Object (SQL Query, View,
   Datasource, Function, Expression, Table
Template
SaaS Solution
Chart
Site
Google: (spreadsheet, document, GMail msg)
Upload:
To Folder
Upload + sync to Google Drive, Picasa
Public or Private (private is default)
Overwrite
Unzip on Upload
Remove
Progress Bar
Share after Upload (Facebook, etc)
Backup:
to Google Docs (drive)
to Picasa
More:
Copy
Move
Zip
Delete
Download
Share
Rename
Edit Properties
Public/Private
Descrition
URL
View
Show list by:
Object Types
Object Extensions
Don't show enclosing Folders
Advanced Search
- with wildcard
- with content
- by name
- exact match
- in this folder
Sort list by (ascending, descending):
Name
Date
Size
Type

List Pagination

Send to trash
Retrieve from Trash
Additional Sub-menus are also displayed, where appropriate
- An API (pre-written, simplified scripts) that may
  be understandable by Knowledge Workers.
- 'Freestyle' (for a developer)
- Add script to Library
- Save
- Undo, redo
- Diffs
- Revert
- Properties
- Toggle Panel
- Search for
- Replace by
- Word wrap
- Console
According to http://w3techs.com, php is used by 78% of sites, with asp.net a distant 2nd at 21%.

Many developers are versed in Php. If you need a developer and cannot find one, Younicycle Web System staff developers are available.
The ability to Manage CRON and visually see your entire schedule of Cron jobs (timed events), add, stop, reschedule or delete jobs was determined to be an important, useful feature and was added to the Web System in late 2012.

A simple usage example would be to email you a Report (pdf) every morning at 8 AM that detailed all Sales during the preceding 24 hours. You would write a query, set up a dynamic report in the Print Designer, then schedule the job.
We can only speculate on the possible reasons these sites have been allowed to atrophy, but most of the 26 that did load, appeared to be actual businesses with employees, services or products.

We suspect that the sites were initially created by a Developer without any participation or collaboration by the company's own Knowledge Workers. After initial install, it began gathering dust.

These sites have not been updated because the Businesses do not know how to update their site.

This failure to Update Content should never happen with the Integrated Web System.
- Button
- Input texfield
- List
- Combination list
- Radio
- Checkbox
 + DHTML Menu

Use and attach CSS to control any desired 'non-standard'
appearance.
The Website Editor (Properties palette) gives you the GUI to simply designate Datasources or Tables for receiving your data along with an event editor, making the entire process seamless.

Event Editor (onclick, onDoubleClick, onFocus, onKeyDown, onKeyUp,onLostFocus,onMouseButtonDown, onMouseButtonUp, onMouseMove, onMouseRollOut,
onMouseRollOver with js work area.

After seeing a few examples, anyone can get data from the web page - and into a Datasource or Table.

Cloud, SaaS
Traditional CMS
Data
Print
The above is a very abbreviated Summary of the basic functionality of Content Management, the 3rd component of the Integrated Web System.

Files   Images   Links   Video
ACL & Role Based Access Control

Upload an Image Plus

Create a Website,
Part1

Create a Website,
Part 2

Iama says hello

#4 - [Print Management System](#)

Words,once printed, have a life of their own.

Web System

For Businesses
Web System Overview
Web Office
Knowledge Management
For Developers
Plans & Prices
Contact & Support
Video, Files, Examples
 When it's Important
Not Yet Print
XML isn't heavy
Share the Not Yet Print
Print when Ready
Collaborative Printing
Variable Data Print (VDP)
WYSIWYG Print Designer
PdfLib
Pdf X
Metadata
Data and Reports
Charts, QR Code and Images
Web to Print
Web to Print Loop
Package the Not Yet Print
Archive the Not Yet Print
Coming Soon +Need Testers
Partners. Need them.
 Print Design
Private (white label) + Investors

 Click each item for a Summary + Video & Screenshots on the right
- Not Yet Print
- WYSIWYG Print Designer
- Web to print Loop
- Metadata
- Charts, QR Code & Images
- Package the Not Yet Print
- Archive the Not Yet Print
- XML isn't heavy
- Share the Not Yet Print
- Print when Ready
- Collaborative Printing
- Variable Data Print (VDP)
- PdfLib
- PDF X
- Data and Reports
- Coming Soon + Need Testers
- Partners. Need them.
- Private (white label) & Investors
When it's Important
Web to Print
Print Design
The collections of the Library of Congress include more than 32 million cataloged books and other print materials in 470 languages; more than 61 million manuscripts; the largest rare book collection in North America, including the rough draft of the Declaration of Independence, a Gutenberg Bible and more. Its collection fills about 838 miles (1,349 km) of bookshelves.

Your own Social Security Card is printed as are Driver's Licenses, Passports, Birth Certificates, Marriage Certificates, Death Certificates and Last Will & Testaments. The most important documents in and after our lives are printed.

Print when it's important. Print when the historical and unchanging moment it represents is and will continue to be meaningful. Though the digital age has made the print of trivial documents wasteful, it has increased the impact and perceived value of documents that are printed.

When it's important, requires historical documentation or immutable & sustained impact, print.
The Web System allows you to 'prepare to print' + Soft Preview internal to the system, so you can get approval sign off and/or make additional requested edits before you hit that Print button. You can create a SQL Table (see Data Management) and track the pre-print process, notes, approvals + document all edits (timestamp, editor, changes made, historical xml (unlimited) past versions. Whatever you want to track, you can do.
The Web System generates XML for each prepared document which details the location and properties for all variable data + every word, font, point size, drawn object, color and image. The xml can be lifted with a mouse-click so any
Workers' Comp claim should be questioned. Our guarantee is that it is much lighter than a case of 11" x 17", 28 lb.
XML is a text file which can be shared with anyone, anywhere. The xml file + an attached zip of all referenced images will allow anyone using the Web System (including a local, server version) to immediately instantiate the entire file.

Even a 30- day test account could see and edit the file, without purchase of any desktop software.
The Web System creates a Soft Preview, with the option of creating a Pdf from directly within your Account. The necessary pdf creation software is built-into the Web System, so you won't need to buy any software, at all. Each pdf will load visually on-demand, within your account. Simply click the pdf print button, point at your local office printer and watch your glorious design be brought to paper.
If you do not want to print off your own equipment, you can use your preferred print shop and they can run the job. In fact, you could add your local print guy as a User - and collaborate on the design of the document from within your Account. Although Printers have their own preferred, desktop software (InDesign, Quark, etc), it's rare in today's environment for a Printer to decline work. They also know that it's imperative for them to 'get to the Cloud'.
The Web System design team has a strong belief in the Power of Personalization since Day One, for Web and Print.

The Print Designer is automatically set up to incorporate various Parts (Page Headers, Footers, etc) along with designation of your Datasource, data fields + associated properties. You won't need to buy a 'data-plug in', because it's built in.
The current, WYSIWYG Web System Print Designer includes Tool for drawing (including bezier), along with text, merging data fields, arranging and aligning objects, cut, copy, paste, Parts + create pdf. Properties include alpha (transparency), size, stoke, fill, background, url, fonts, assign datasource and various sizing properties.

Nine years after it's initial development, it remains the best available Print Designer on the web (see live demo).
The next step is in progress. See below for more detail.
Pdfs are created on the Web System's servers, not on your desktop, using a powerful server package created by the German firm PDFlib GmbH. There is no additional charge for using this system online, but those that wish to have the Web System Server package installed on their own server hardware will need to buy a license key ($1,095 USD).
Note that Pdflib can be installed and used without a license key, but each pdf page will include a permanent watermark
Pdflib is Pdf X capable. This specification allows the Web System to use a 'base pdf' as a static, referenced 'bottom layer' with a separate pdf as the top layer.

A usage example: You have a one page pdf (an Insurance Enrollment form) and you would like to superimpose Employee data (1,000 employees) on top of the static pdf. Your end goal is a 1,000 page, personalized pdf - but - you
do not want to embed the static form into each page. If you did, the pdf would be enormous. Instead, you want the employee data pdf to reference the static pdf, allowing lightweight output.

The difference in file size could be beyond substantial. 1 meg vs 100 meg output would not be unusual.
The Print Designer includes the ability to add metadata. Pdfs are indexed and searched by search engines so being able to add metadata to your pdfs can help web users find you and your message.
Print Management, as with other components of the integrated Web System, allows and encourages the use of data, tables, queries, datasources and files. Being able to use other components within the current component creates unlimited usage possibilities. A personalized pdf and product brochure is but one example.

'High-tech' marketing companies are just beginning to utilize the inherent Power of Personalization.
This power readily available within each Account.
A Chart Wizard and QR Code generator are included and used frequently as part of Print Management and creating pdfs.

The Chart Wizard is a separate module that can also create variable, data driven charts available for print or web. The QR Code generator allows a user to designate different settings and can output a variety of image type, including eps.
The Print Designer can be used for design of signage and QR Codes are beginning to sprout up in signs + print.

Of course, images can also be included in the Print Designer and the resulting pdf, including the use of hi-res (for print) and a mated lo-res for Soft Preview.
If you have followed and read through the Summary for each component, then you'll understand that repurposing data from web to print is a relatively simple task. Follow a possible work-flow below:
Same as above, except the personalized pdf is returned to a User page after generation of the personalized pdf. This can be especially useful in the Financial Services sector, particularly Insurances or Voluntary Retirement plans such as 401(k) or 403(b), though could also be useful in responding to Request for Proposal (RFP). Your business may have its own specific usage possibilities.
A Print Management Solution can include many elements and become quite complex. Installing your Print Solution within a different Web System account or server and rewriting link references 1 x 1 would be a cumbersome, time consuming task.

Use the SaaS Manager to Package your entire solution with a few clicks and then install elsewhere with One-Click.
The Web System File System allows you to zip your set of files at any time. After zip, you can backup to Google Drive or your desktop. You can also use spinbackup.com (a branch of the Younicycle Web System) to backup your zip to Amazon Storage.
The Print Designer is being overhauled, rewritten, enhanced. If you have interest in testing the upcoming Beta version, please submit your name and email address via our Support Form + indicate your level of experience and interest.

Beta -Testers that fulfill testing requirements will receive a fully enabled, 6 month Web Cruiser account.
Although we have deep experience with data-driven Print software and technology, we are not 'Printers'. If you own or are an employee of a print-shop and would like to be listed as a Print Partner, let us know via Support. We do not have the equipment or staff level to fully support the demand we expect in 2013 and beyond.
If you think that Private, white label of The Web System could make sense, please contact us via support for further discussions. In addition, we will entertain dialog with Investors between now and the final release of the updated Print Designer.

We believe the possibilities are significant, and then some.
Anyone can 'print online', but to Design for Print online is a much deeper and exacting process.

The Web System began with & implemented online Print Design in 2003, using the best available technology.

We are about to raise the bar.
1) Create a web page (form) to collect web-user data
2) Submitted data is inserted into a DS or Table
3) The Table data is Queried according to your needs
   A personalized message can be written in the query
4) Variable data chart (if appropriate) is created based on the query
5) The Print Designer is used to design a brochure. The datasource is
   selected and data fields merged or placed on the design art-board
6) A trigger is written to auto create a pdf for this person on Insert
7) A php script sends an email with the pdf attachment
or hundreds of variants

The above is a very abbreviated Summary of the basic functionality of Print Management, the 4th component of the Integrated Web System.

Files   Images   Links   Video
Online Print Designer

Pdf/X to
reduce file size

Variable Data Print

Design a Live Data Report

[Web System Videos for Management of Cloud, Data, Content & Print](#)

Follow me and I'll follow you!

#8 Iama becomes curious.
#10 Build a PostgreSQL Table in 2 minutes
#11 Iama says hello
#5 Create a Website, Part 1
#6 Upload an Image + More
#4 Extend the Power of Google Apps
#3 Basic Navigation
#20 Software as a Service (SaaS) Aggregator
#14 Make a History Table, PostgreSQL Table Trigger & Trigger Function
#12 A YouTube video of How to embed a YouTube video
#9 Iama was curious, but now gets help
#2 The small business problem
#15 Create a Query (Full Join)
#7 Make a Website Theme (Part 2 of make a website)
All videos are HD, so best to switch to HD.
The suggested order of View is listed to the left and also on the Blackboard. Reference the numbered links (YouTube annotations), which will become visible after you click the Play button.
The end of each video gives you a link to return to the Blackboard and watch more vids.
These vids (2 hours) are also available after login.

Please let us know about broken links... thanks!
#19 Pdf/X to reduce file size
New- Report Scheduler
#16 Online Print Designer, the Template Tool
#17 Variable Data Print
#13 How to add an external RSS feed
#18 Design a live data Report & Create a Report
#21 ACL (Access Control List), Add a Role, Add a User, Assign to a Role
#22 Add A Shopping Cart payment system

Several of these videos are older, do not include Audio & are not in the storyline. (Vids 13, 20, 21, 22)

As we began creating the vids, we realized that elaborating on every, single feature of The Web System was simply not possible. We decided to create a storyline about a Knowledge Worker (Iama) and a Developer (Bridget). Bridget guides Iama through the process of creating a simple website, php script, PostgreSql Tables, query plus much more. Iama learns on the fly & by the time she gets to the final vid, she is gaining confidence + knowledge. She wants to learn.

The biggest obstacles to learning are:
1) Lack of desire
2) Fear of making a mistake

#1   We hope, is not a problem.
#2 That's how we learn. Fear not.
Click each for Audio Transcript

[Web Systems Public Relations](#)

About Iama
Iama Sample is the digital, PR presence for The Web System. Her 24 bit PNG still images and any underlying Flash Video files were purchased from the good folks at elearningbrothers.com.

Videos were created using Adobe Captivate 6 with the audio (text to speech) 'actors' being:
 - Bridget (British),
 - Kate (suitably dry),
 - Julie (the voice you hear below).

The videos were uploaded directly from Captivate to YouTube. After upload, Annotations were added to Pause each vid at the end + add a label, which onclick would redirect to a separate, 'static' video which acts as a Master playlist. On that video are additional Annotaions (Speech bubbles) that onclick, redirect to the appropriate video.

The Master Playlist was loaded to the page with the Web System Site Editor ~ a 20 second process. This website is a an Account of The Web Sytem (Basic, Web Cruiser Plan).
Even though Iama is digital, she will be true to her word. Follow, like or Google + her and she will return the favor. You can follow Iama at her Blog, Twitter, YouTube or Google + 1.

A final note; all of the text on this site along with corresponding text to speech audio was written by a male - female Team, both being Knowledge Workers.

Thanks in advance for clicking one or more Social Media buttons!

Iama Sample
Google+
Iama participated in a Video, so that we could show you how to add a video.
We think that warrants a Follow, Like or +1. She'll keep her word!