



SharePoint 2013 Web Sites



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- VP Toronto SharePoint User Group





SERVICES

Leaders in SharePoint Solutions



PRODUCTS

Products to Enrich your SharePoint Experience



Envision IT Services Overview

Focused on complex SharePoint solutions, Envision IT is the “go-to” partner for Microsoft SharePoint, building integrated public web sites, Intranets, Extranets, and web applications that leverage your existing systems anywhere over the Internet.



Products



Envision IT
Extranet User Manager
for SharePoint



Envision IT
Digital Marketing Suite
for SharePoint



Envision IT
Video Player
for SharePoint



Envision IT
Image Rotator
for SharePoint



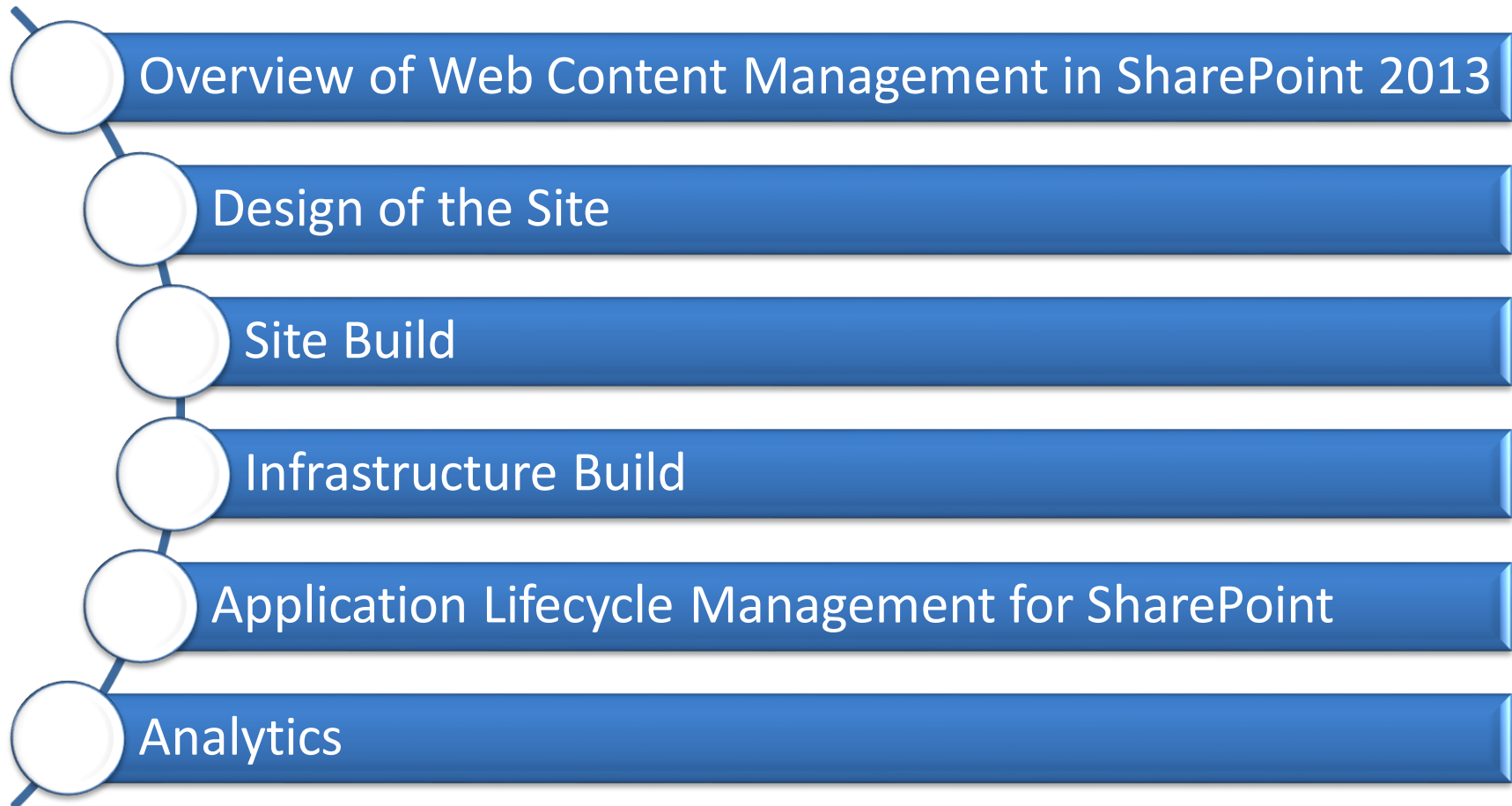
Envision IT
Photo Viewer
for SharePoint



Envision IT
Custom 404
for SharePoint



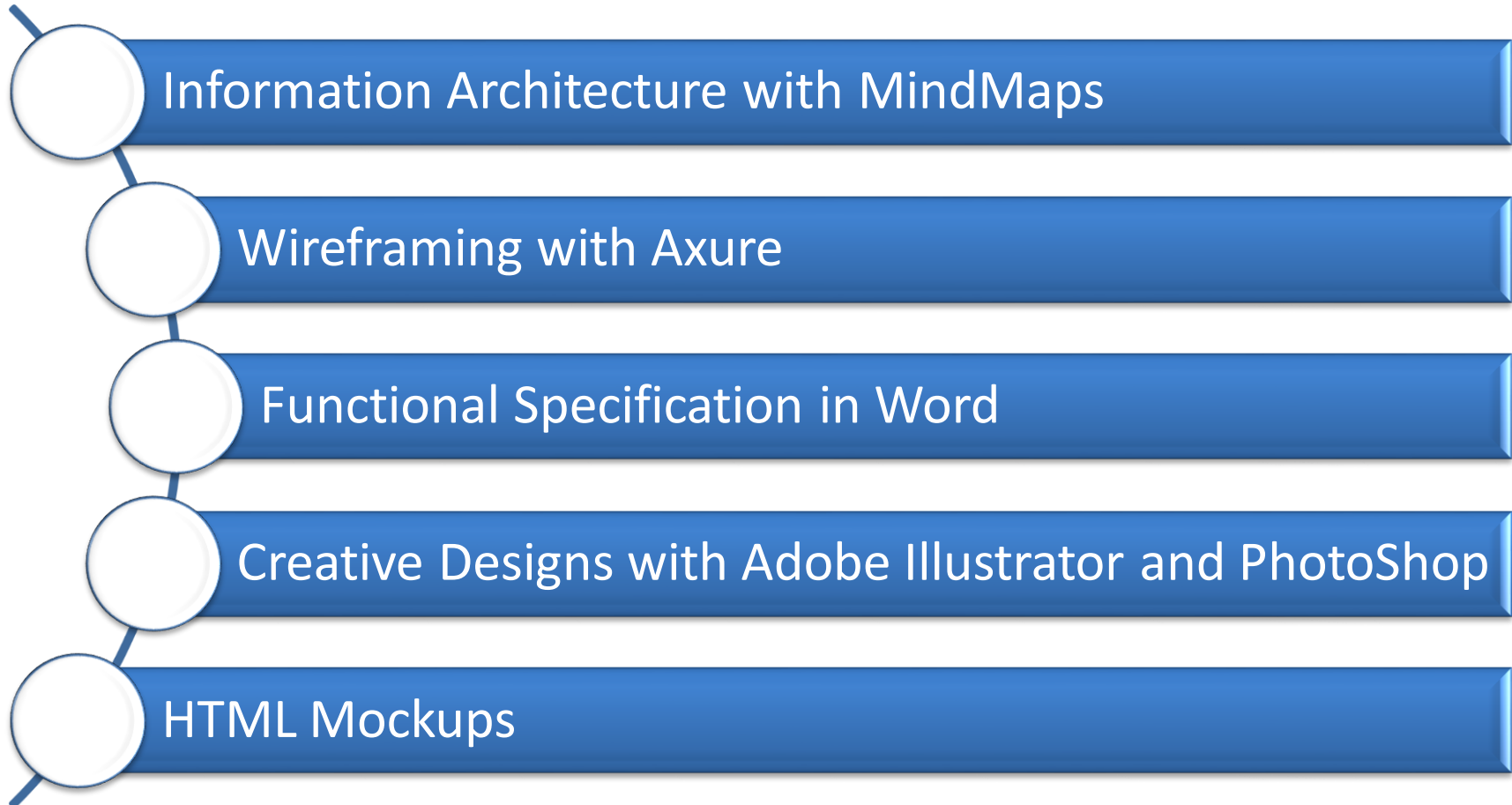
Agenda



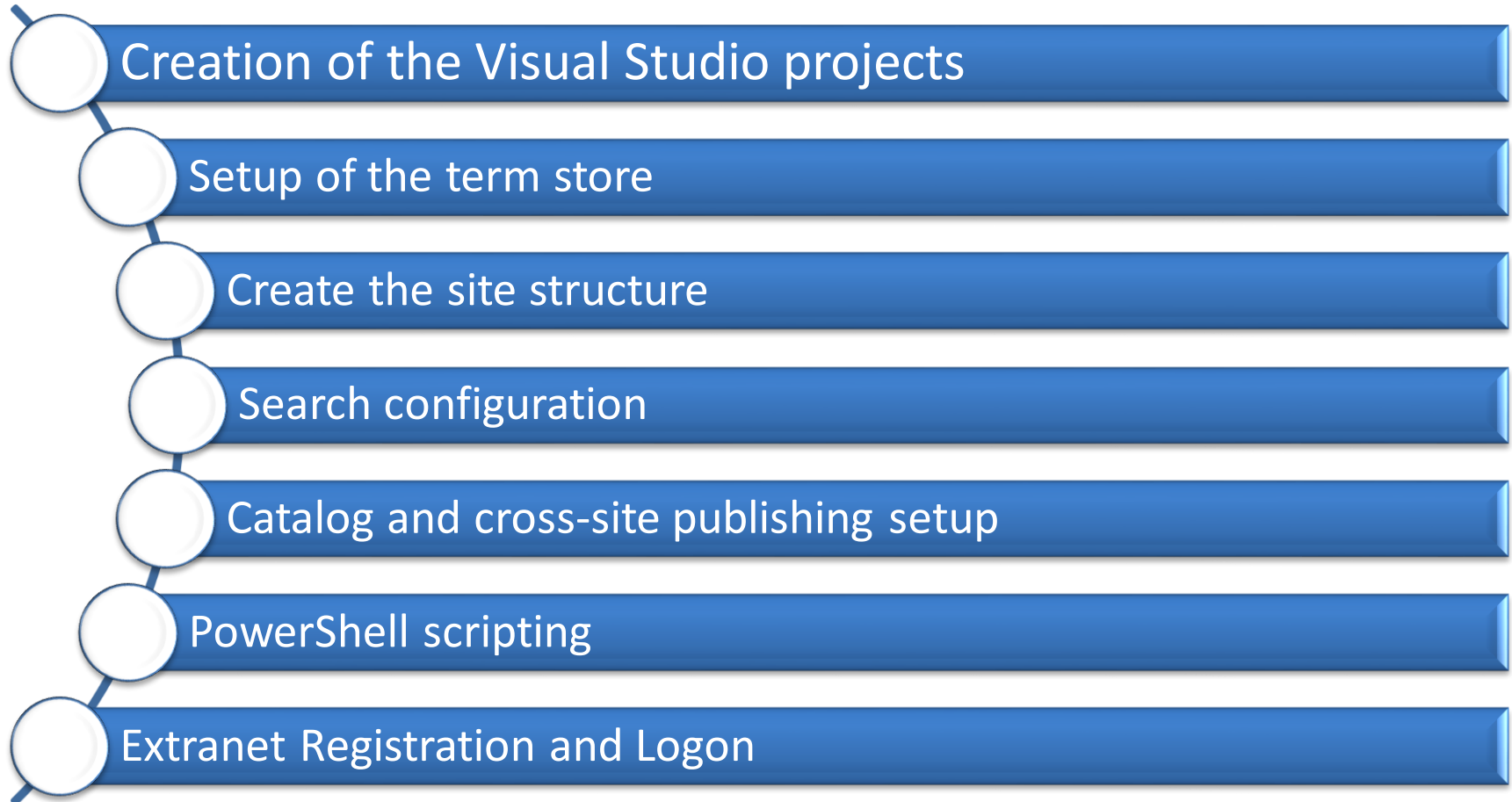
WCM in SharePoint 2013



Design of the Site



Site Build



Infrastructure Build



Farm Architecture

Hosting Options (On-Premise, Azure, Third-Party)

AutoSPInstall to install SharePoint

http/https Publishing

Claims and Forms-Based Authentication (SQL and AD)

Application Lifecycle Management



Analytics



Setting up Google Analytics Tracking

Configuring the Google Analytics reporting







Google and Bing WebMaster Tools

SEO, 404 page not found, and redirects

Web Site Gallery




Products



	ExtranetUserManager
	Custom404
	VideoPlayer
	PhotoViewer
	ImageRotator
	StreetPerfect.NET



Identity Management and Authentication

Search	Add	Configure
		
<ul style="list-style-type: none"> Groups Users 	<ul style="list-style-type: none"> Group User Import Users Managed Domain SharePoint Site 	<ul style="list-style-type: none"> System Settings Managed Domains SharePoint Sites General Email Settings Pending Approval Email Pending Approver Email Welcome Email Forgot Password Email

Extranet Security, Collaboration & Account Management for SharePoint

Upcoming Events

SharePoint Summit
May 13-15, 2013, Toronto

DevTeach Toronto / Mississauga
May 27-31, 2013

SharePoint Fest D.C.
August 5-7, 2013, Washington D.C.

[See all events](#)

New Releases

Extranet User Manager

Version 2.6.4847.8
Release April 15, 2013

Video Player

Version 1.0.4850.6
Release April 12, 2013

SharePoint 2013 is here!



Envision IT is your first resource for:

Resources: View our presentations, videos, events, and references on our [SharePoint 2013](#) page.

Blog: Our President, Peter Carson is a Microsoft MVP. [Read his blog](#) for the latest on our research and development around SharePoint 2013.



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a walk...

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GO >

- enter a postal code -

GO >

Start a Club ▶

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3/5/2012

[Boys and Girls Clubs of Canada and Capital One Launch Capital One Race for Kids](#)

It's not a run. It's not a walk. It's something...

2/23/2012

[Boys and Girls Club of Canada and President's Choice® Children's Charity Partner to Fuel Brighter Futures for Canadian Children](#)

Boys and Girls Clubs of Canada (BGCC) is proud to...

Our Mission ▶

To provide a safe, supportive place where children and youth can experience new opportunities, overcome barriers, build positive relationships and develop confidence and skills for life.

More ▶

Did You Know?



For over 100 years, Boys and Girls Clubs have used the model of learning through play in our after-school programs.

This Globe & Mail article examines how play-based learning and a focus on building emotional intelligence can help kids be more

Partner News



BGCC partner AMD Foundation Named a 2012 Computerworld Honors Laureate

AMD Changing the Game, the Foundation's signature initiative, has reached more than 75,000 youth in six countries with video game design opportunities. The program's





Home

 Online Tools

Gambling Information

Getting Help

Support For Families

About Us

Contact

Welcome to Self-Help Gambling Tools



Gambling Quiz

Answering these nine questions will help you understand if gambling is having a negative impact on your life.



Monitor Your Gambling & Urges

Use this web tool to keep track of when you gamble, or feel the urge to gamble. **Mobile App** also available.



Self-Help for Those who Gamble

Do you gamble? These interactive tools will help you explore, cut down or stop gambling.




Self-Help for Family and Friends

Does someone you care about gamble too much? With these interactive exercises, learn why they gamble and what you can do to help.

Please remember that the tools on ProblemGambling.ca are self-help exercises. The information you enter online will be anonymous, and will not be reviewed by anyone. Registration is free.

Ontario Problem Gambling Helpline

 **1-888-230-3505**

- Open 24 hours, 7 days a week
- Free, confidential and anonymous
- Available across Ontario
- Service in more than 140 languages

The Helpline provides information about and referrals to problem gambling counselling services, including telephone counselling and organizations such as Gamblers Anonymous and Gam-Anon.



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Centers



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Tubular
Products



Steel
Distributors



Calculators

Russel Metals Inc. (Russel Metals or the Company) is one of the largest metals distribution and processing companies in North America. The Company primarily distributes steel products and conducts its distribution business in three principal business segments: metals service centers; energy tubular products and steel distributors.

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We provide processing and distribution services to a broad base of customers. We service all major geographic regions of Canada and the Southeastern and Midwestern regions in the United States. To service our customer base we carry a broad line of metal products in a wide range of sizes, shapes and specifications, including carbon hot rolled and cold finished steel, pipe and tubular products, stainless steel, aluminum and other non-ferrous specialty metals. We purchase these products primarily from North American steel producers and package and sell them to end users in accordance with their specific needs. We service a wide variety of industries, including machinery and equipment manufacturing, construction, shipbuilding and natural resources, such as mining and petroleum.





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Our ongoing series of videos and guides are designed to provide you with important information about your new home warranty.

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Email a Customer Service Representative

[Register for MyHome](#)



Online Education Seminars



Homeowner Information Package



MyHome
Manage your warranty online



FAQ

Get answers to your questions



New Home Buyers

Understanding Deposit Protection
Understanding Delayed Closing and Occupancies
Warranty Protection
What's Covered and When?
Your Pre-Delivery Inspection
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New Home Builders

Registering and Renewing
Enrolling New Homes
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Tarion Awards of Excellence
Illegal Building
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Warranty Protection

What's Covered and When?
What's Not Covered?
Types of Homes Not Covered
Warranty Process and Making a Claim
How the Statutory Warranty Works
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> Featured Products



Universal Life

You've decided that you need life insurance. But not just any life insurance will do. You want a financial solution that will protect you during your lifetime and provide for your loved ones or beneficiaries. Consider a universal life (UL) plan.



Income Pays!

Transamerica has many tools to help you build better tomorrows for your clients. Through the Transamerica Guaranteed Investment Funds (TGIF) contract advisors have access to several fixed-income funds.

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> Featured Solutions



Insure your mortgage

Your lending institution offers mortgage insurance. But why settle for an insurance product that does nothing?



Investing

Whether you want to build a nest egg, secure a retirement income or have a completely different solution, we can help.



Retirement Planning

Wouldn't it be great to look forward to your retirement rather than worry about how to pay for it?

> Meet...

WE MADE THEM
A TOMORROW
THEY COULD LOOK
FORWARD TO.



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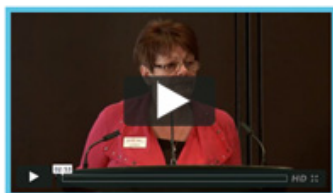
[Become a Member](#)



The College of Early Childhood Educators is a professional self-regulatory body for early childhood educators formed to protect the public interest and focused on quality and standards in the practice of early childhood education.



Third Annual Meeting of Members Video...Coming Soon!



A video recording of the College's third annual meeting of members will soon be available on our website. The video will include:

- Greetings from the Minister of Education
- President's Report
- Complaints Committee Report
- Auditor's Report
- Special Presentation from the College's Registrar and CEO, Sue Corke

Latest News

3/21/2012

[Updates to the College's Public Register](#)

Looking up a registered early childhood educator (RECE) just got...

3/20/2012

[Notice of Council Meeting](#)

Date/time of meeting: April 11, 2012; 1:00 - 5:00 p.m.
April...

3/14/2012

[Winter Newsletter Now Available](#)

The Winter '12 Member Newsletter is now available. Read the Winter...

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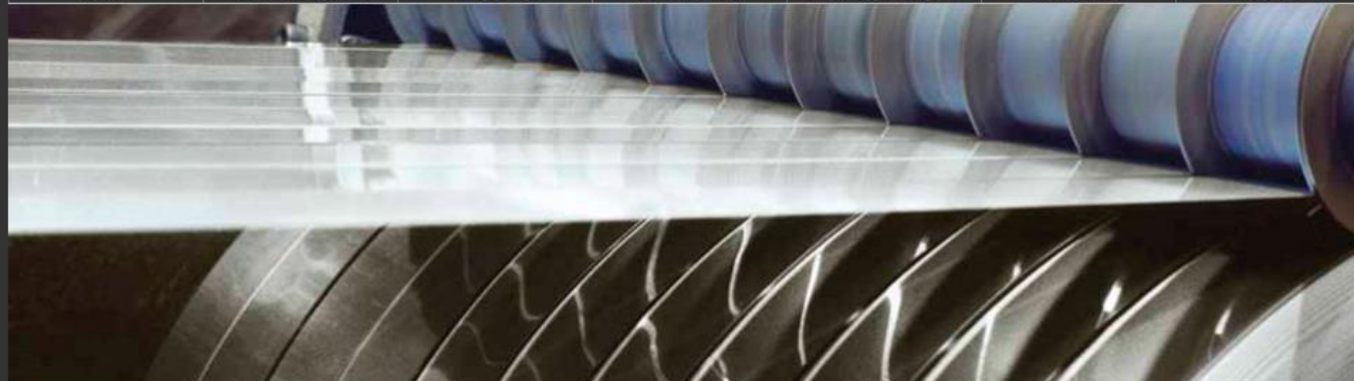
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Boxcars

Stanrail Acquisition

RECENT NEWS -- March 2012.
Stanrail Corporation, a premier designer, manufacturer and distributor of railcar components became part of the **Roll Form Group**, a division of Samuel, Son & Co., Limited.



More Than Metal

Carbon steel, aluminum and stainless steel may be the backbone of our operations, but Samuel offers much more. Explore our site to find out about our **Manufacturing Divisions**, **Transportation Services** and customized **Value-Added Programs**.



A History of Quality

Samuel has built a leading name in the metals industry since 1855 and now operates **locations** worldwide. View our development as the largest family-owned metals distribution and processing corporation in North America in our **historical timeline**.

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News & Events

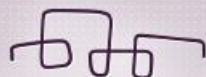
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60
EARTH HOUR



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Sat 9:30 AM - 6:00 PM

Sun 11:00 AM - 6:00 PM

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What's New

[Skating rinks lure customers off the couch](#)

[SHOPS AT DON MILLS IS THE PRIMARY SHOPPING DESTINATION FOR TOP CHEF CANADA !!!](#)

[Free Investing 101 Seminar - Edward Jones March 29, 2012](#)

[shops.ca](#)



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WELCOME TO THE NEXT CHAPTER OF SHERWAY GARDENS

Sherway Gardens continues to raise the bar in creating the definitive consumer retail experience to remain at the top of its class in the city of Toronto. From the finest details in our design to our commitment to a sustainable retail experience, Sherway Gardens' renaissance leads the way with a passionate drive towards transforming the future of shopping.



RECENT OPENINGS



FLOOR PLANS and RENDERINGS

PROJECT HIGHLIGHTS

- 250,000 square foot expansion to increase stores and services to over 250.
- Increase in retail space to approximately 1.25 million square feet.
- New second level food court with striking exterior presence.
- 4 full service restaurants.
- New three level parkade with 1,200 stalls.
- A dramatic remerchandising of the existing food court into a new retail high street.

[CONTACT US](#)

HARRY ROSEN

LEGO

pottery barn kids



MICHAEL KORS

SEPHORA

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to our **new** site

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[Laboratories](#)
[PIDAC](#)
[Regional Infection Control Networks](#)

NEWS

PHO Connections
June 2013

New Report
[Connecting the Dots: How Ontario Health Units are Addressing Child and Youth](#)

HOT TOPICS

[Middle East respiratory syndrome coronavirus \(MERS-CoV\)](#)

[June 2013: Monthly Infectious Disease Surveillance Report – Focus on Sunbilia](#)

RESEARCH IN ACTION

"We need to change public ideas and norms, increase engagement and knowledge, and promote belief in vaccines."



~Dr. Natasha Crowcroft in *The Lancet Infectious Diseases*

Read about [PHO's contribution to the body of evidence on immunization.](#)

UPCOMING EVENTS

[View and register for events](#)





See Vascular Imaging in a Whole New Light

VeinViewer's breakthrough light technology has greatly improved vascular access.

Request Information

or schedule a demonstration

VeinViewer Benefits

Pre, During, and Post

Rolling Ticker Title

Lorem ipsum dolor sit amet, consectetur elit.
Integer eu justo ipsum, vitae vehicula dia....

News Coverage Title

Lorem ipsum dolor sit amet, consectetur elit.
Integer eu justo ipsum, vitae vehicula dia...

See How the VeinViewer Works



Why Choose VeinViewer

Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Integer eu justo ipsum, vitae
vehicula diam. Nulla et tortor sed ante mia.

[Click here to download our latest white paper](#)

Schedule a Demo

SCDSB Forest Hill



News

Monday, February 4, 2013

[Play Line-Up for 2013 Season Released](#)

Wednesday, February 13, 2013

[Cast List for 2013 Season Decided](#)

Friday, March 29, 2013

[Mishap during Rehearsal](#)

[Read all news articles »](#)

Media Spotlight

Monday, May 6, 2013

[ESC on CBC](#)

[Read all media spotlight articles »](#)

Vivamus at lectus

Donec ullamcorper dui sollicitudin augue tincidunt nec blandit sem varius. Duis lacinia viverra varius. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Nulla porta dolor a neque interdum placerat. Vivamus ut nisi magna. Maecenas in mauris eu est rhoncus viverra fermentum id nulla.

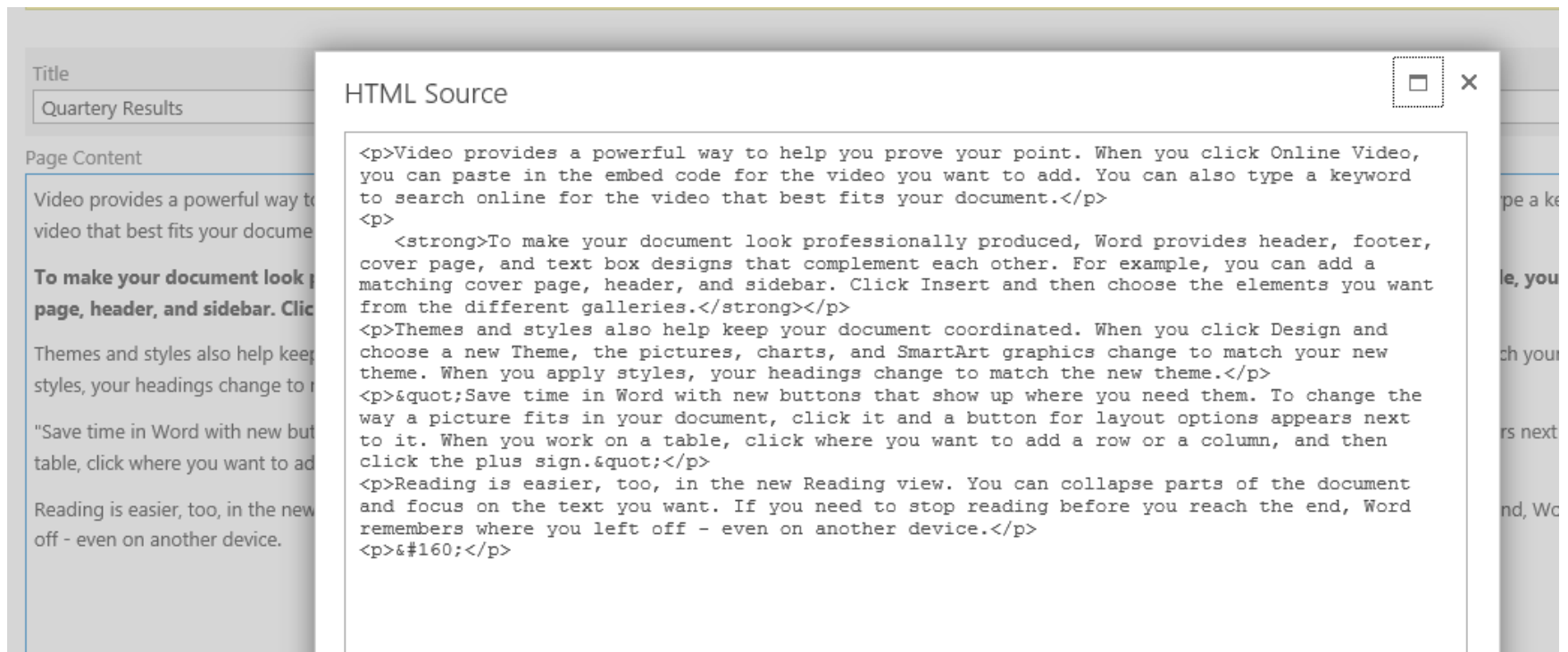
Links

- www.envisionit.com
- www.envisionit.com/shakespeare
- www.bgccan.com
- www.problemgambling.ca
- www.russelmetals.com
- www.tarion.com
- www.transamerica.ca
- www.collegeofece.ca
- www.samuel.com
- www.thewaterfrontproperties.ca
- www.shopsatdonmills.ca
- www.future.sherwaygardens.ca
- www.publichealthontario.ca



What's New in Web Content Management

Easier Page Authoring With Cut and Paste



The screenshot displays a web application interface for document authoring. On the left, a sidebar contains a 'Title' field with the text 'Quarterly Results' and a 'Page Content' section. The 'Page Content' section shows a preview of the document text, which includes a paragraph about video, a bolded section header, and several other paragraphs. On the right, an 'HTML Source' window is open, showing the raw HTML code for the document content. The HTML code includes paragraph tags, a strong tag for the bolded section, and various escape sequences like '"' and ' '.

Title
Quarterly Results

Page Content

Video provides a powerful way to help you prove your point. When you click Online Video, you can paste in the embed code for the video you want to add. You can also type a keyword to search online for the video that best fits your document.

To make your document look professional, Word provides header, footer, cover page, and text box designs that complement each other. For example, you can add a matching cover page, header, and sidebar. Click Insert and then choose the elements you want from the different galleries.

Themes and styles also help keep your document coordinated. When you click Design and choose a new Theme, the pictures, charts, and SmartArt graphics change to match your new theme. When you apply styles, your headings change to match the new theme.

"Save time in Word with new buttons that show up where you need them. To change the way a picture fits in your document, click it and a button for layout options appears next to it. When you work on a table, click where you want to add a row or a column, and then click the plus sign."

Reading is easier, too, in the new Reading view. You can collapse parts of the document and focus on the text you want. If you need to stop reading before you reach the end, Word remembers where you left off - even on another device.

HTML Source

```
<p>Video provides a powerful way to help you prove your point. When you click Online Video, you can paste in the embed code for the video you want to add. You can also type a keyword to search online for the video that best fits your document.</p>
<p>
  <strong>To make your document look professionally produced, Word provides header, footer, cover page, and text box designs that complement each other. For example, you can add a matching cover page, header, and sidebar. Click Insert and then choose the elements you want from the different galleries.</strong></p>
<p>Themes and styles also help keep your document coordinated. When you click Design and choose a new Theme, the pictures, charts, and SmartArt graphics change to match your new theme. When you apply styles, your headings change to match the new theme.</p>
<p>&quot;Save time in Word with new buttons that show up where you need them. To change the way a picture fits in your document, click it and a button for layout options appears next to it. When you work on a table, click where you want to add a row or a column, and then click the plus sign.&quot;</p>
<p>Reading is easier, too, in the new Reading view. You can collapse parts of the document and focus on the text you want. If you need to stop reading before you reach the end, Word remembers where you left off - even on another device.</p>
<p>&#160;</p>
```

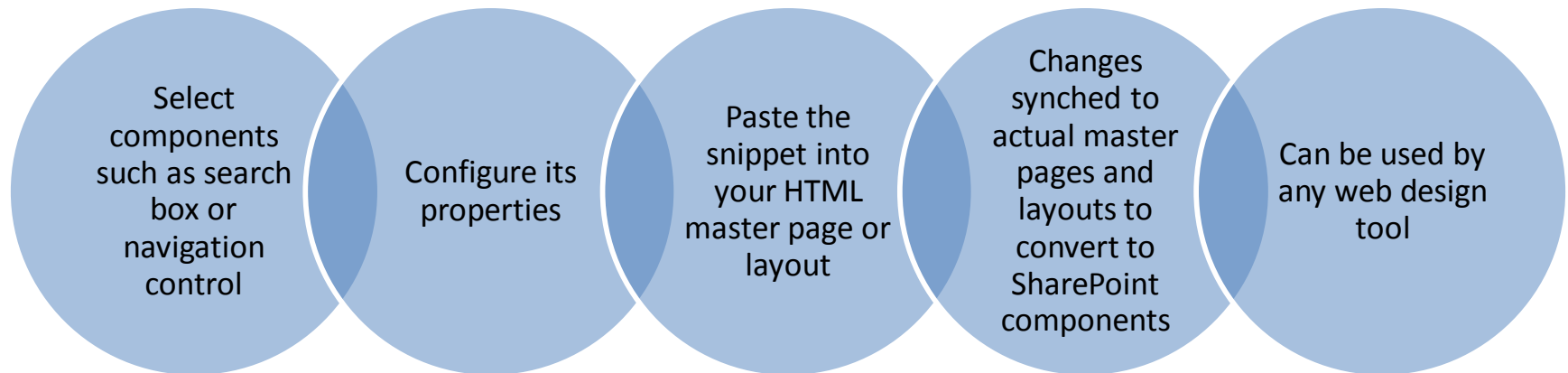
Drag and Drop Files

- Drag and drop files from Windows Explorer into the browser, or the other way
- Doesn't support folders or document sets
- Open in Windows Explorer still works best for this
- Requires IE10 or current versions of Chrome, Safari or Firefox
 - IE8 and 9 supported with Office 2013 installed

Design Manager



Snippet Gallery



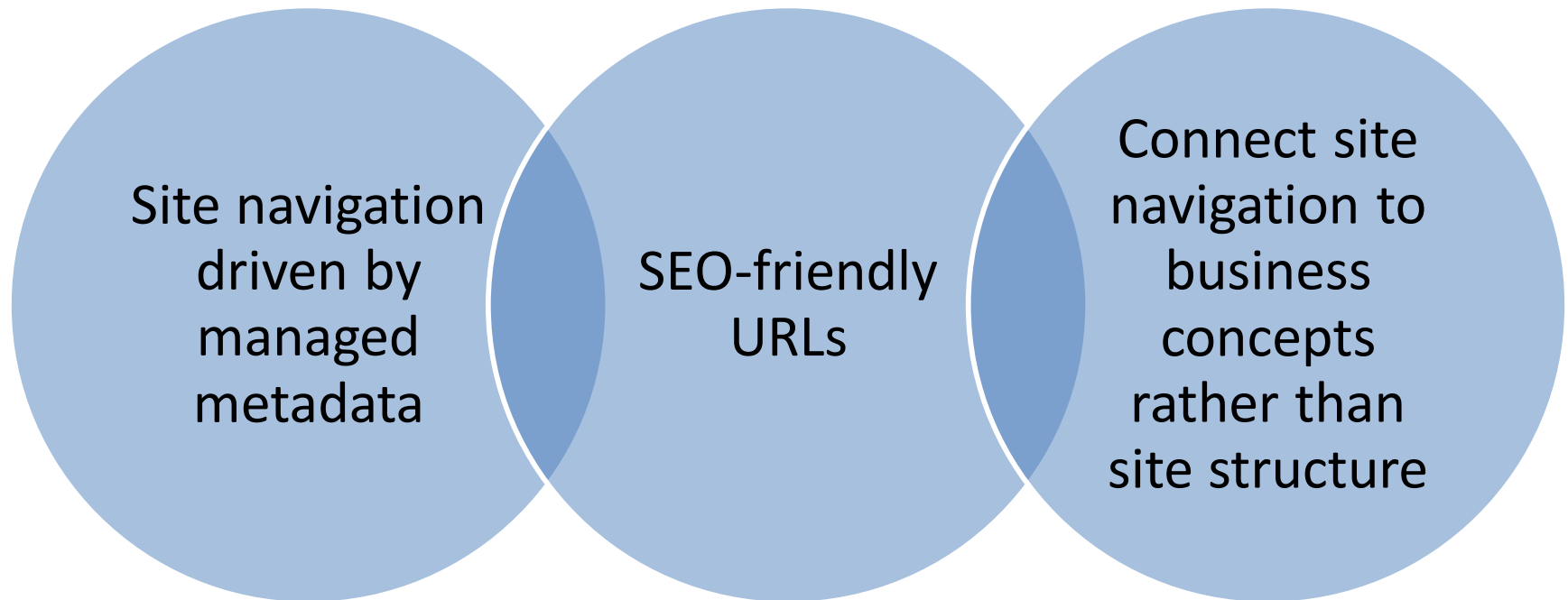
Channels

Map channels
to mobile
devices or
browsers

Alternate
master pages
can be
assigned

Page layouts
can include or
exclude
content based
on channel

Managed Navigation



Display Templates

Used to
customize the
presentation of
search results

No more XSLT!!!

Three templates

- Control – Overall structure of search results
- Group – Show groups of results
- Item – How each result is presented

Content Search Web Part

- Replacement for Content Query Web Part
- Also no more XSLT!!!
- Returns results as JSON
- Rendered with JavaScript and CSS
- Can customize results with display templates

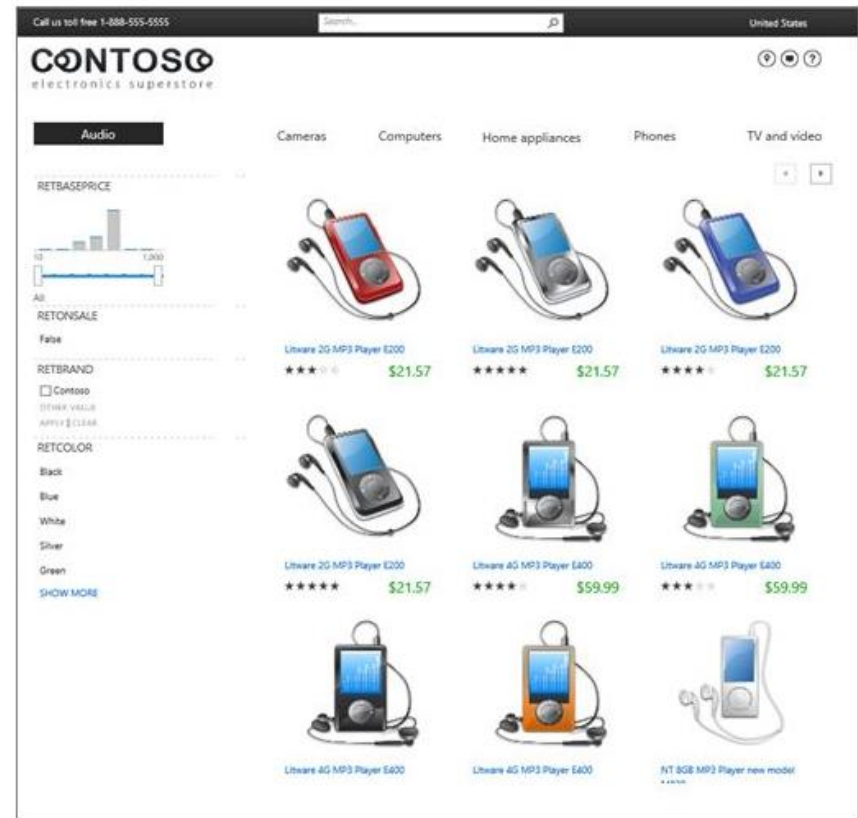


Image Renditions

Image Renditions ⓘ

ID	Name	Width	Height	Edit	Delete
Add new item					
1	Display Template Picture 3 Lines	100px	100px		
2	Display Template Picture On Top	304px	100px		
3	Display Template Large Picture	468px	220px		
4	Display Template Video	120px	68px		

- Display uploaded images in predefined sizes, widths, and crops
- Multiple renditions stored in document sets
- Content author can create renditions (including crops) in the browser

Edit Image Rendition

ID	1
Name *	<input type="text" value="Display Template Picture 3 Lines"/>
Width	<input type="text" value="100"/>
Height	<input type="text" value="100"/>

Save

Cancel



Change Picture



Pick Rendition



Address: /news/PublishingImages/1_i



Alt Text:



Image Styles



Position



Horizontal Size: 600 px



Vertical Size: 300 px

☒ Lock Aspect Ratio



Horizontal Space: 5 px



Vertical Space: 5 px

Styles

Arrange

Size

Spacing

Full Size Image

Display Template Picture 3 Lines (100 x 100)

Display Template Picture On Top (304 x 100)

Display Template Large Picture (468 x 220)

Display Template Video (120 x 68)

News Rendition (300 x 200)

Contoso Large Rendition (600 x 300)

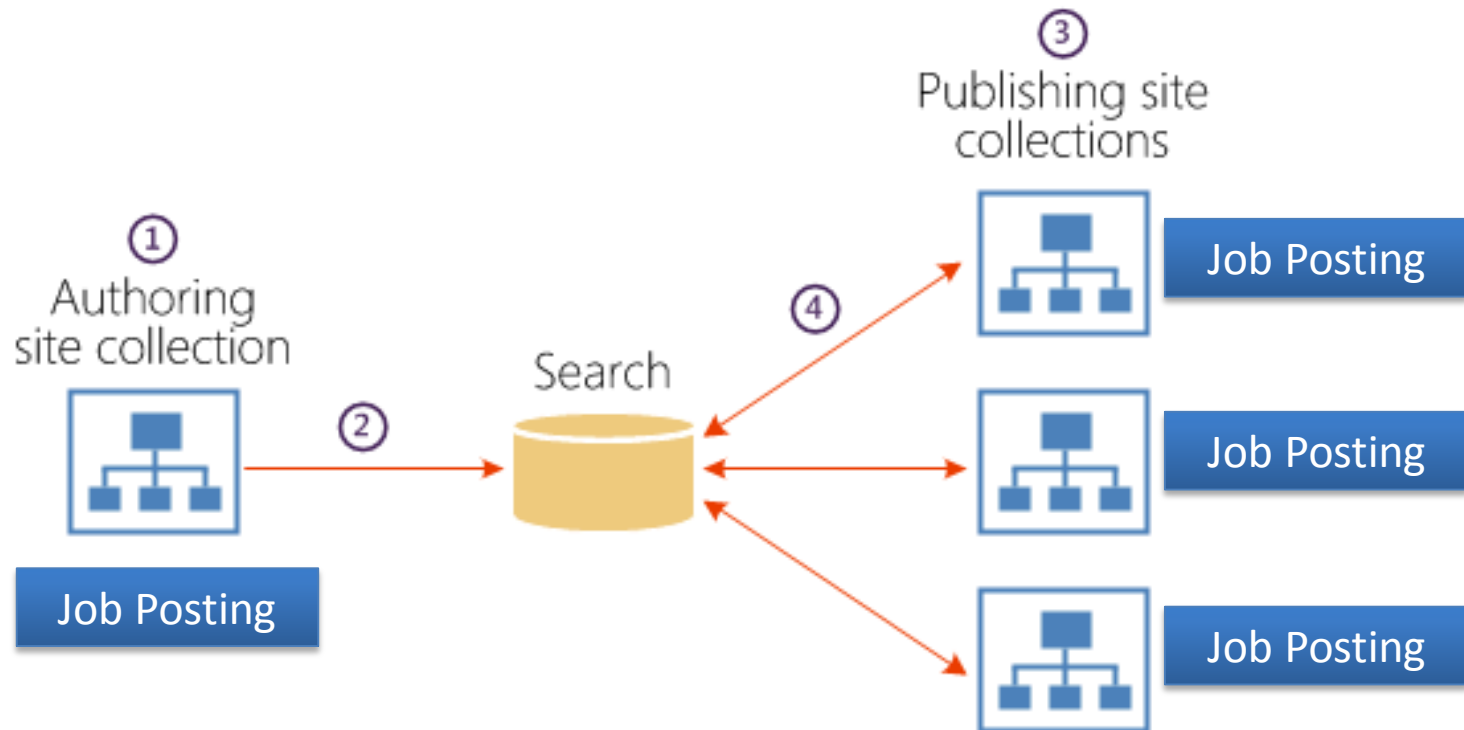
Edit Renditions



Cross-Site Publishing

- Reuse content between different sites, including site collections and farms
- Catalogs can surface lists into publishing sites onto a category page and item pages
- Can be surfaced through the Content Search Web Part
- No need to create and publish web pages
- Create custom, friendly URLs
- Metadata based navigation base

Cross Site Publishing



Catalogs

Results

Consistent
Displays

Manage
content in
one place

No need
to create
pages

No need
to format

Metadata
Navigation

SharePoint

Products

Site Settings › Term Store Management Tool

SEARCH

TAXONOMY TERM STORE

English

- Managed Metadata Service Application Proxy
 - People
 - Search Dictionaries
- System
 - Site Collection - sphvm-114-sites-products
 - Product Hierarchy
 - Electronics
 - Audio
 - Cameras
 - Computers
 - Computers accessories
 - Desktops
 - Laptops**
 - Monitors
 - Printers, scanners and fax
 - Tablets
 - Home appliances
 - Phones
 - TV and video

GENERAL

Managed Metadata Service Application Proxy

Available Service Applications

A site may consume multiple metadata applications. Select the one to see in the tree view.

Managed Metadata Service App

Sample Import

The SharePoint metadata manager can import a term set from a UTF-8 CSV format file. Use the sample file as a template for creating import files. Then import the file into the desired group to create a new term set.

[View a sample import file](#)

Term Store Administrators

You can enter user names, group names, or e-mail addresses. Separate them with semicolons. These users will be permitted to create new term set groups and assign users to the group manager role.

redmond.pikmacct;

Default Language

Select the default language for all Metadata in the system. All terms must have a language defined on their default language.

English

Working Languages

Select the "translation of" languages for terms in the term store. This will allow a term to have language

Select languages from:

Installed language packs

Add >>

English

Products

Home

Lists

Recent

Products

Site Contents

+ new item or edit this list

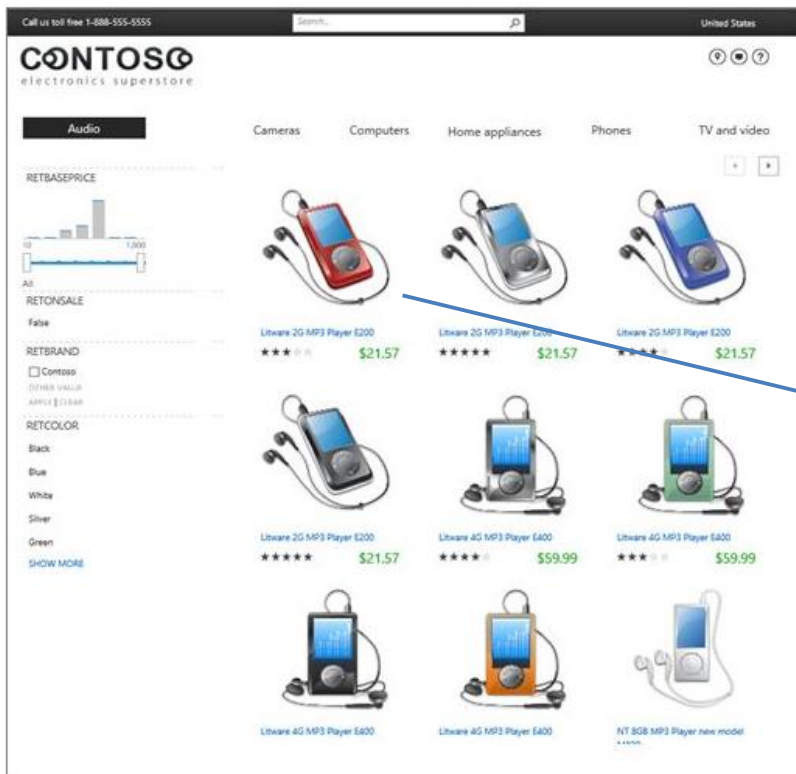
All Items Approve/reject Items My submissions ...

Find an item

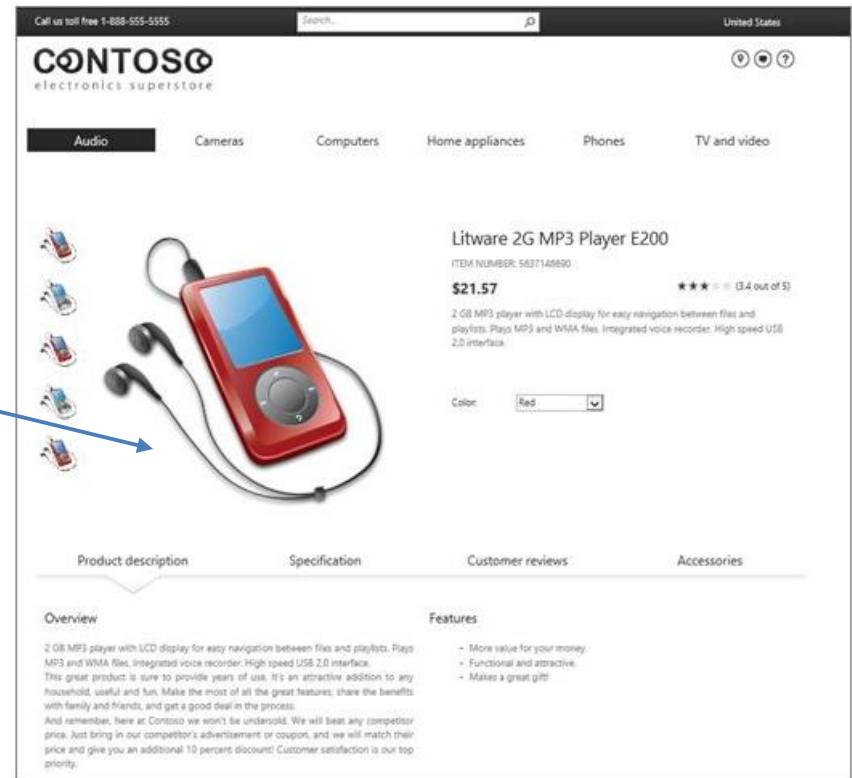
✓	📄	Title	Item Number	Group Number	Language Tag	Item Category	Rollup Image	Approval Status
		Southridge Video Laptop15.4W M1548	5637146264	5637145762	en-US	Laptops		Approved
		Southridge Video Laptop15.4W M1548	5637146265	5637145762	en-US	Laptops		Approved
		Southridge Video Laptop15.4W M1548	5637146266	5637145762	en-US	Laptops		Approved
		Southridge Video Laptop15.4W M1548	5637146267	5637145762	en-US	Laptops		Approved
		Southridge Video Laptop8.9 E0890	5637146268	5637145763	en-US	Laptops		Approved

Catalogs

Category Page



Item Page



www.contoso.com/products/Audio-Liware2g

SEO Enhancements

- Friendly URLs
- Home page redirects
- XML sitemaps automatically generated and updated
- Custom SEO properties

SEO Properties

Name
This page's name may appear in the URL

default.aspx

Title
Search Engines can use the title to pair this page with search results for similar keywords.

Home

Browser Title
You can customize the text that appears in the title bar of the web browsers viewing this page.

Please enter between 5 and 25 characters in this field.

Meta Description
Search Engines may display this text under a link to this page on a search results page.

Please enter between 25 and 150 characters in this field.

Variations and Multi-Lingual

- Export and import content for translation in XLIFF format
 - Pages
 - Labels
 - List items
 - Navigation
- Bing translation service comes with active SharePoint 2013 license

SharePoint 2013 Licensing Changes

- The SharePoint For Internet sites (FIS) license is no longer needed for public web sites or Extranets
- This can save significant licensing dollars
- This applies to on-premise, Azure, or third-party hosting options

SharePoint Licensing– 2010 vs 2013

2010	Intranet	Extranet	Internet Sites
Internal Users	SharePoint Server + CAL	SharePoint Server + CAL Or SharePoint for Internet Sites (FIS)	SharePoint for Internet Sites (FIS)
External Users*	N/A		

2013	Intranet	Extranet	Internet Sites
Internal Users	SharePoint Server + CAL	SharePoint Server + CAL	SharePoint Server
External Users*	N/A	SharePoint Server	

Note*: External users means users that are not either your or your affiliates' employees, or your or your affiliates' onsite contractors or onsite agents

Office 2013 On Premise Web Apps

- I have internal users who want to access Office documents via Office Web Apps, what licenses do I need to be compliant?

Scenario	Internal User
Read Office documents via Office Web Apps	Free, no Office client required
Edit Office documents via Office Web Apps	Requires Office 2013 Standard or Professional Plus

- Our company users (who are licensed for Office Client) are working with external users on projects, what licensing do those external users need to access Office documents via Office Web Apps?

Scenario	External User*
Read Office documents via Office Web Apps	Free, no Office client required
Edit Office documents via Office Web Apps	Free, no Office client required

***External Users:** defined as users that are not either your or your affiliates' employees, or your or your affiliates' onsite contractors or on site agents.

Hosting Options

Site Type	On-Premise	Office 365	Azure	Third-Party
Public Web Site	Yes	Very simple	Yes	Yes
Extranet	Yes	Yes	Yes	Yes
Combined	Yes	No	Yes	Yes

Office 365 Notes

- Only very simple public web sites can be hosted in Office 365
- Microsoft currently provides up to 10,000 external clients with Windows Live ID access to an Extranet with no additional subscription costs
- A combined public web site and Extranet in a single site cannot be delivered in Office 365
- Not all SharePoint features are provided in Office 365

Responsive Web Design

Adaptive vs. Responsive

Adaptive

- Fixed breakpoints
 - Desktop > 980 px
 - Table portrait > 768 px
 - Phone to tablet
> 480 px < 768 px
 - Smartphone < 480 px

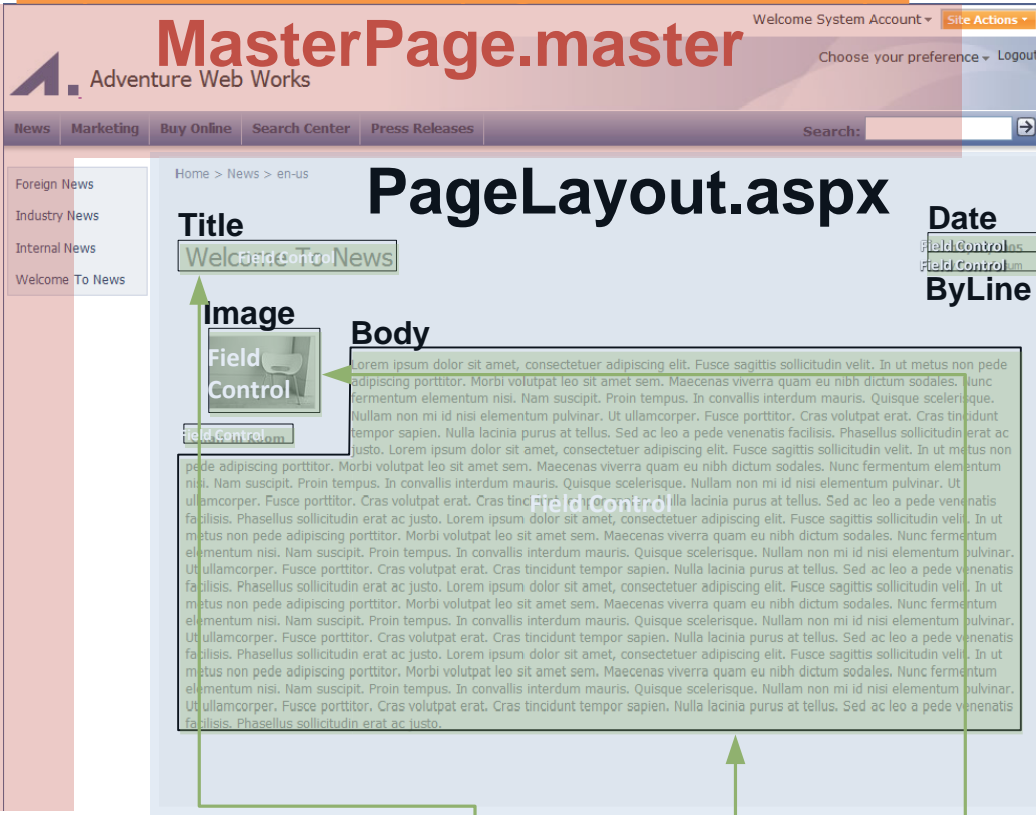
Responsive

- No fixed breakpoints
- Design fluidly adapts to whatever width the browser is

We generally do a hybrid approach, with responsive design in the under 768 pixel situation

Publishing Site Page Rendering

<http://foo.com/bar/pages/welcome.aspx>



1.
**Welcome.aspx
page is
requested**

2. Page layout
associated with
page is retrieved

3. Master page
associated with
site is retrieved

4. Controls in page
layout render
content from
page's fields into
the page

FileName	PageLayout	Title	Body	Image
Welcome.aspx	PageLayout.aspx	Welcome To News	Lorem ipsum dolor sit ...	/Images/Chair.jpg

Design Approaches in SharePoint

Adaptive Design through CSS media queries

- Broader standards approach used outside of SharePoint
- Keeps a single master page and CSS
- Some unnecessary components may still be loaded

Device Channels

- SharePoint specific approach
- Assign different master pages to different device channels
- Rules define what devices use which channels
- Device Channel Panels can also target content to channels

Hybrid here can also make sense. Device channels can be used to remove unnecessary items from the page payload.

Device Channels

Map client devices to channels

On-premises

Create channels as needed
Up to 10 per site collection,
up to 150 device inclusion
rules

Publishing Site Template

PublishingMobile Site
Collection Feature

O365 Small Business Sites

2 device channels (Default,
FallbackMobile)

Cannot create new ones

Device Channels ⓘ				
⊕ new item or edit this list				
All Items All Device Channels: Simple Listing ...				
✓	Active	Name	Alias	Description
	Yes	Mobile	Mobile	This device channel applies to any devices with a User Agent String that includes Windows Phone OS, iPhone, or Android.
	Yes	Tablet	Tablet	This device channel applies to any devices with a User Agent String that includes iPad.
	Yes	Default	Default	This channel is the default for your site. A device will see the look and feel specified by this channel when no other channels are active or when the device's user-agent string does not match the device inclusion rules for any active channels.

Device Channels

Based on User-Agent value in headers
Catch all mobile channel

\$FALLBACKMOBILEUSERAGENTS;

The image displays three overlapping screenshots of the SharePoint 'Device Channels' configuration interface, illustrating how to set up different device channels based on user-agent values.

Channel 1 (Default):

- Name:** Default
- Alias:** Default
- Description:** This channel is the default and feel specified active or when the device inclusion rules are met.
- Device Inclusion Rules:** A quick description of the Device Channel.
- Active:** ☒ Check this box once you're working on a live site, don't activate this channel before you're done designing it.

Channel 2 (Tablet):

- Name:** Tablet
- Alias:** Tablet
- Description:** This device channel applies to any devices with a User Agent String that includes 'Tablet'.
- Device Inclusion Rules:** iPad
- Active:** ☒ Check this box once you're working on a live site, don't activate this channel before you're done designing it.

Channel 3 (Mobile):

- Name:** Mobile
- Alias:** Mobile
- Description:** This device channel applies to any devices with a User Agent String that includes Windows Phone OS, iPhone, or Android.
- Device Inclusion Rules:** Windows Phone OS, iPhone, Android
- Active:** ☒ Check this box once you've optimized your site for this channel. If you're working on a live site, don't activate this channel before you're done designing it.

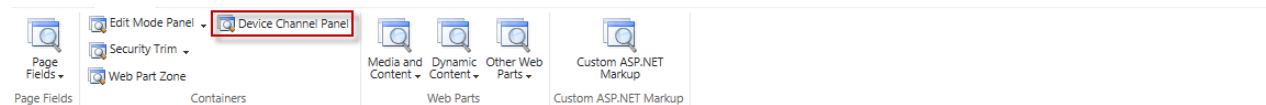
Device Channel Panels

Design Manager

Code snippets

Consider scope when creating them

Easy to customize



Preview

You should replace this div with content that renders based on your Device Channel Panel Properties.

HTML Snippet

Copy and paste this snippet at the desired location in your HTML design file. Note that many HTML preview regions are read-only but will render properly on your site.

```
<div data-name="DeviceChannelPanel">
  <!--CS: Start Device Channel Panel Snippet-->
  <!--SPM: <%@Register Tagprefix="Publishing"
    Namespace="Microsoft.SharePoint.Publishing.WebControls"
    Assembly="Microsoft.SharePoint.Publishing, Version=15.0.0.0,
    Culture=neutral, PublicKeyToken=71e9bce111e9429c"%>-->
  <!--MS:<Publishing:DeviceChannelPanel runat="server"
    IncludedChannels="Mobile">
  <!--PS: Start of READ-ONLY PREVIEW (do not modify)--> <!--PE: End
of READ-ONLY PREVIEW-->
```

Copy to Clipboard

Device Channel Panel

About this Component

A Device Channel Panel displays the content defined within it to one or more specified Device Channels. Device Channel Panels are typically used on Page Layouts to selectively hide certain regions and functionality from or show them to specified channels, and define channel-specific CSS.

For example, an Article Page Layout may define its sidebar and Article Image Page Field inside Device Channel Panels that display only to the default channel in order to hide them from other devices, such as smart phones. Likewise, you could place a link to revert to the desktop experience (the default channel) within a Device Channel that displays only to smart phones.

Specify in which Device Channels a panel should render its contents by entering the aliases for one or more Device Channels in the IncludedChannels property, separated by commas. Any unrecognized channel aliases will be ignored. [Click here to see the Device Channel List for this site.](#)

To see the effects of Device Channel Panels, you may use URL query-strings, device emulators, or cookie-based approaches for channel-specific previews. To preview using URL query-strings, append the query string variable "DeviceChannel=Desired_Channel_Alias" to the URL of any page or the preview.

Update

Reset

Customization - Device Channel Panel (DeviceChannelPanel)

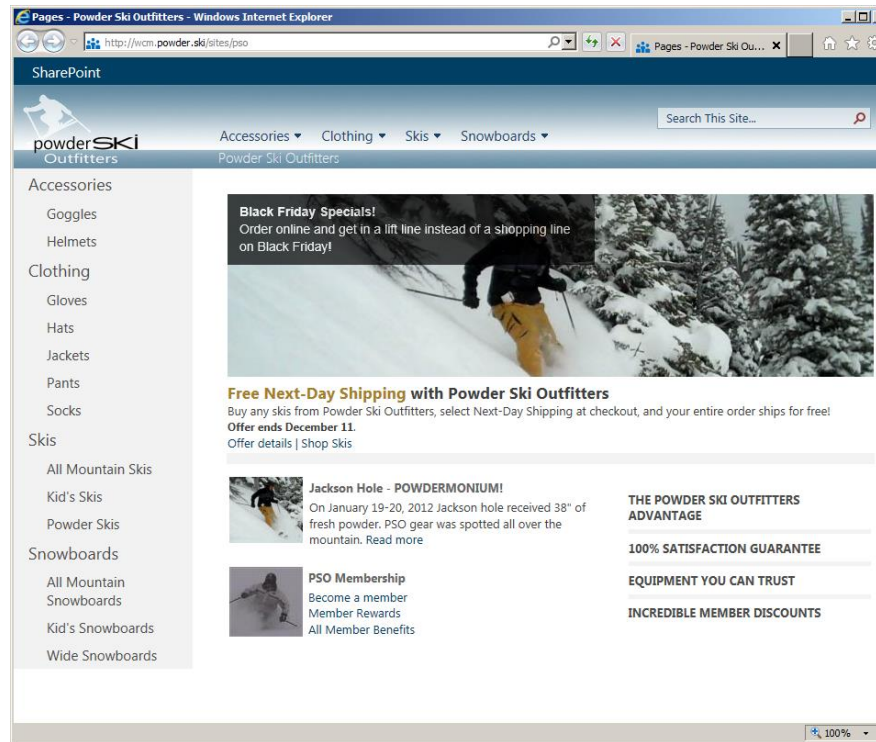
Important

IncludedChannels MOBILE

Accessibility

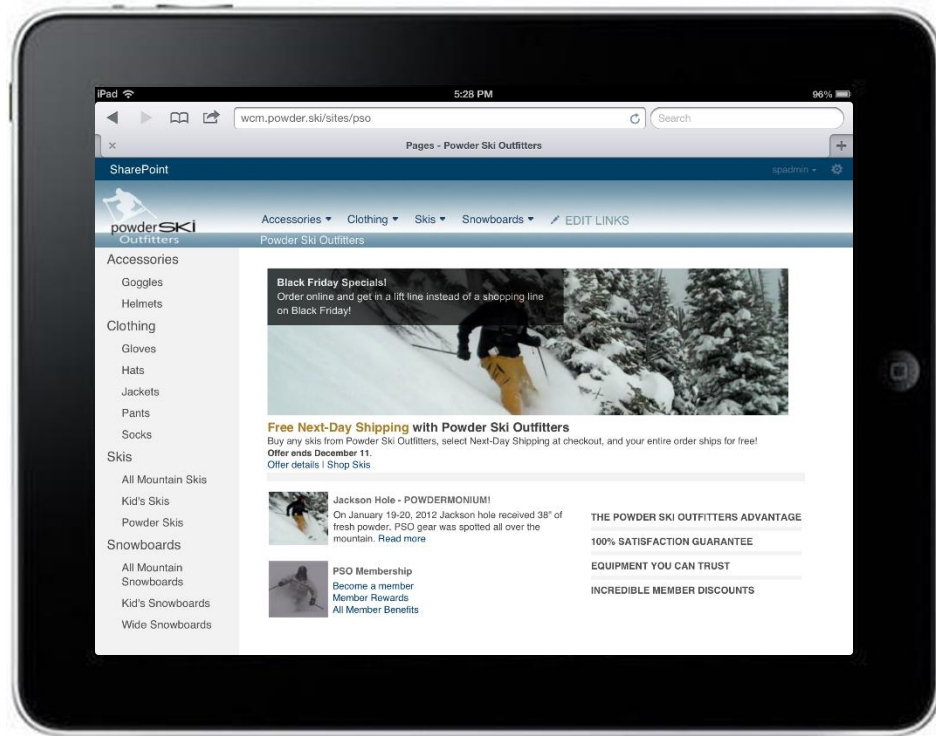


Testing the Default Device Channel

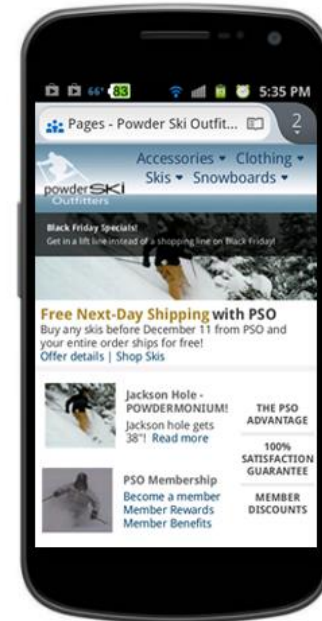


<http://server/?DeviceChannel=Default>

Testing a custom Device Channel



?DeviceChannel=Tablet



?DeviceChannel=Mobile

Planning Master Pages

Master Pages

Can Be Device Channel specific

Assign Master Pages to Device Channels in Site Settings

Device Channels can inherit Master Pages

System Pages are not Device Channel Specific

Site Settings › Site Master Page Settings ⓘ

Site Master Page

The site master page will be used by all publishing pages - the pages that visitors to your website will see. You can have a different master page for each Device Channel. If you don't see the master page you're looking for, go to the Master Page Gallery in Site Settings and make sure it has an approved version.

You may inherit these settings from the parent site or select unique settings for this site only.

- ☐ Inherit site master page from parent of this site
- ☒ Specify a master page to be used by this site and all sites that inherit from it:
 - Mobile
 - Tablet
 - Default
- ☐ Reset all subsites to inherit this site master page setting

Planning Page Layouts

Page Layouts

Not Device Channel specific

Great for the same content rendered differently in the same Page Layout

Use multiple page layouts when the content is different depending on Device Channel

Use Edit Mode Panels to give content authors content and instructions

Setting the width of a page by Device Channel

Multiple Master Pages

Width Defined in CSS

Planning Display Templates

Mobile optimized Display Templates

It all starts with the Content By Search Web Part Display Templates you create

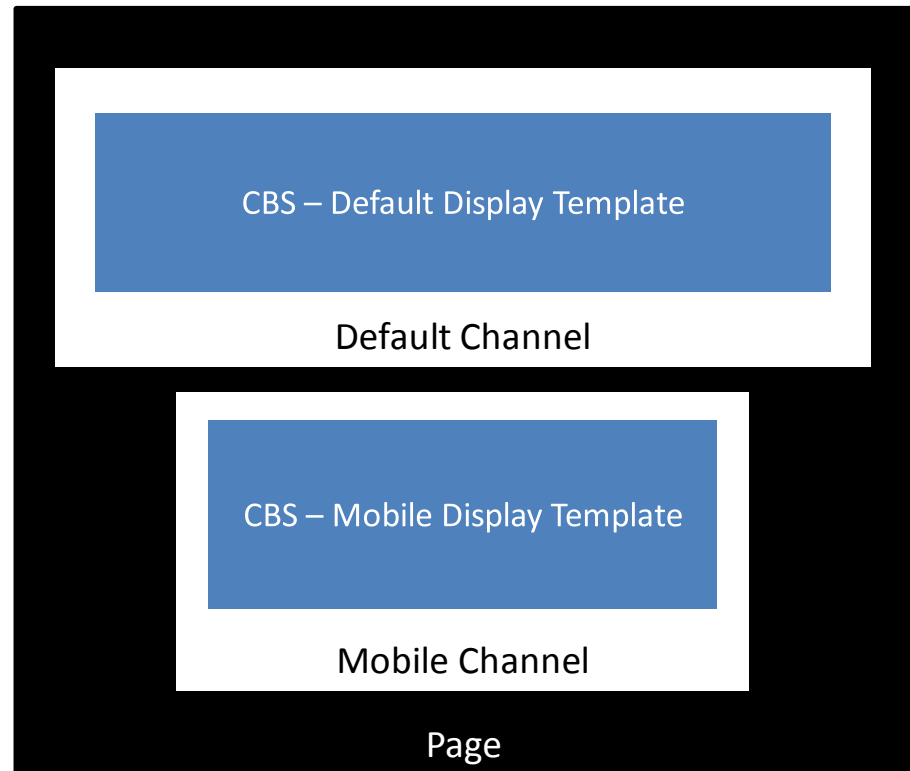
Three primary options for implementation

Factors to consider include performance, style, and content

Option 1

Granular approach

- Multiple Device Channel Panels
- Multiple Content By Search Web Parts
- Multiple Display Templates
- Only loads the content needed for the specified channel
- Performs the best
- More code to maintain



Option 2

Styling Content Differently

No Device Channel Panels

Single Content By Search Web Part

Single Display Template

Master Pages define CSS per Device Channel

Loads all the content, regardless of Device Channel

Best when content does not change between Device Channels

Option 3 Overview

Use JavaScript *

No Device Channel Panels

Single Content By Search Web Part

Single Display Template

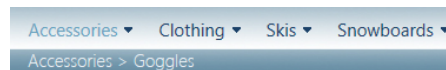
JavaScript displays content based on Device Channel

Loads all the content, regardless of Device Channel

Best when content changes between Device Channels and layout is mostly the same

* This is a client side approach.

Default Channel



Powder Ski Outfitters carries an impressive line of goggles. Whet or you just need a pair of goggles for the sunny days cruising on

This is the header content for the default device channel.



Men's Goggles

\$69.99

Model: GOG-MEN-BLACK

Color: Black



Men's Goggles

\$29.99

Model: GOG-MEN-MULTI

Color: Multi



Women's Goggles

\$65.49

Model: GOG-WOM-BLACK

Color: Black



Women's Goggles

\$24.95

Model: GOG-WOM-MULTI

Color: Multi

Mobile Channel



Men's Goggles

\$69.99

Color: Black



Men's Goggles

\$29.99

Color: Multi



Women's Goggles

\$65.49

Color: Black



Women's Goggles

\$24.95

Color: Multi

Our Responsive Approach

- Built using the Twitter Bootstrap CSS framework
 - twitter.github.com/bootstrap/
 - Provides a responsive design framework for supporting PC, Mac, tablet, and mobile
 - We enhanced to provide better touch navigation support
- Incorporated into the SharePoint 2013 Design Master
 - HTML based master page that can be edited with any tool
 - SharePoint converts to a master page when uploaded or saved
 - Can still be packaged into a traditional WSP solution for deployment

Going Forward

- We'd like to incorporate Device Channel optimizations into our approach
- Image Renditions are also a powerful way to optimize the page payload for different devices
 - Creates the correct sized images for the device requirements
 - Makes pages load faster

SharePoint WCM Glossary



SharePoint Glossary

Term	Definition
SharePoint Farm	A set of SharePoint servers that share a single configuration database
Web Application	A top level container and entry-point URLs for site collections
Site Collection	A set of Web sites that are in the same content database, have the same owner, and share administration settings. A site collection can be identified by a GUID or the URL of the top-level site for the site collection. Each site collection contains a top-level site, can contain one or more subsites, and can have a shared navigation structure
Path Based Site Collection	A site collection under a managed path http://webapp/sites/sitecollection
Host Named Site Collection	A site collection with its own unique URL. Must be created through PowerShell
Site	Subsite under a site collection
Site Template	A template for a single site that has been saved from another site. Site templates may or may not contain content. Templates cannot be created from publishing sites

SharePoint Glossary

Term	Definition
Site Column	<p>A single field that can store information of a particular type</p> <ul style="list-style-type: none">• Text• Choice• Number• ... <p>Defined at the site collection level</p>
Content Type	<p>A content type is a reusable collection of Site Columns that can be applied to a certain category of content. Content types enable the management of metadata and behaviors of a document or item type in a centralized, reusable way. Basically, content types include the columns (or fields) that are applied to a certain type of content, plus other optional settings such as a document template.</p>
Document Set	<p>New content type in SharePoint 2010. A document set is a container for multiple documents to which you can assign certain metadata and treat as a single entity in many ways. In addition, a document set can contain one or more different content types.</p>

SharePoint Glossary

Term	Definition
List	A container for list content types or custom list items. Columns can be defined via content types, or directly in the list
Document Library	A SharePoint list that contains documents where you can create, collect, update and share files with others. Like lists, columns can be defined via content types, or directly in the list
Form Library	A special type of library to facilitate the interaction with InfoPath forms
Asset Library	A library typically used to store image, audio, and video files
List Template	A template used to define the configuration of a list or library. Templates can be saved with or without content

SharePoint Glossary

Term	Definition
Term Store	An instance of the Managed Metadata Service. This can be shared between sites, site collections, web applications, or farms
Group	A collection of term sets
Term Set	A collection of related terms
Term	A word or a phrase that can be associated with a SharePoint item
Friendly URL	An SEO friendly URL defined in the term store for a page, rather than the physical URL of where the page is stored (/Pages)

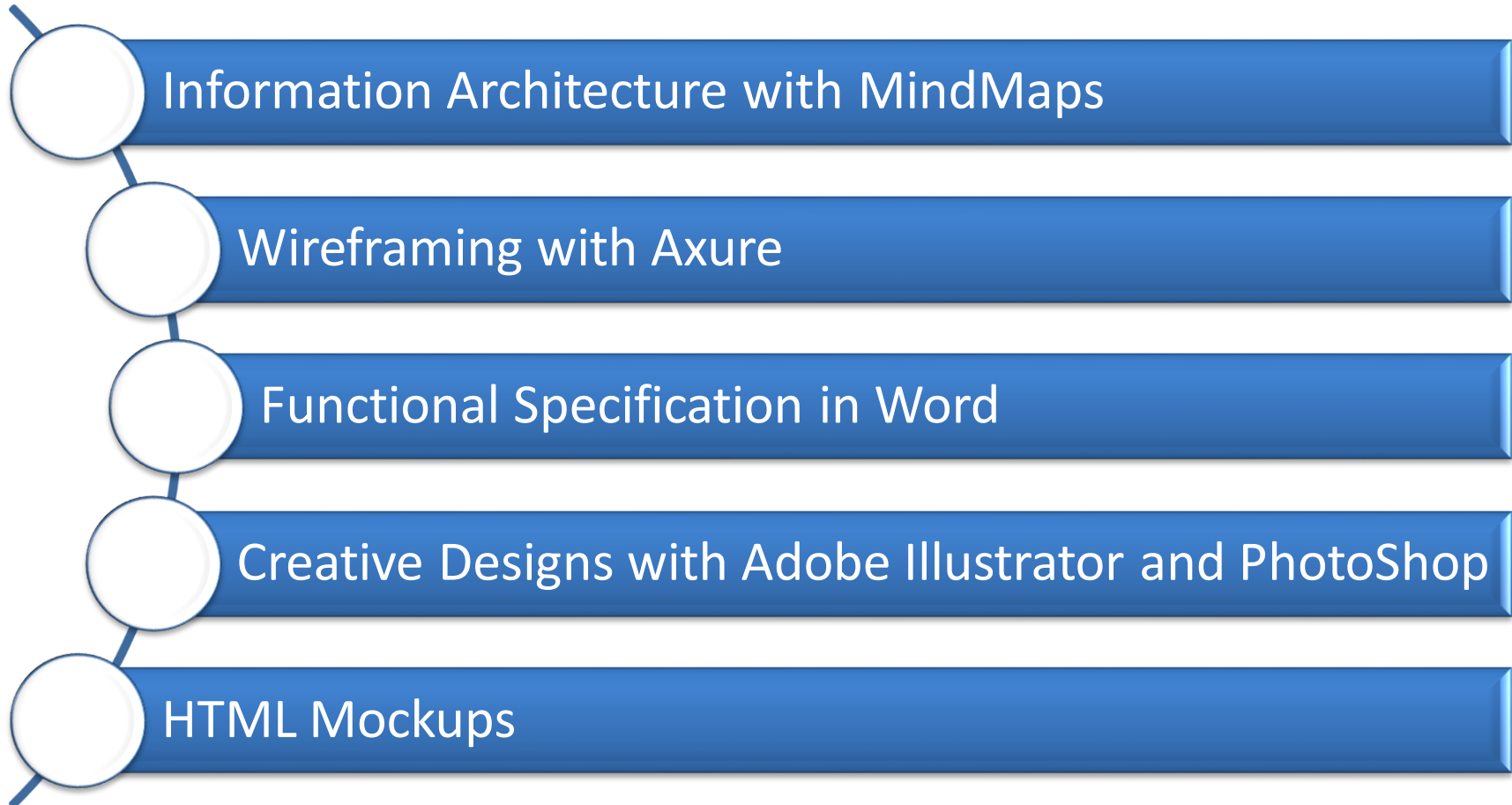
SharePoint Glossary

Term	Definition
Design Manager	2013 feature used to manipulate WCM artifacts
Master Page	Defines elements that are common to all pages, such as the header, navigation, and footer
Page Layout	Defines the layout of a particular style of page, such as news or events. Each page content type can have one or more layouts associated with them
Web Parts	Functional elements that can be added to pages, typically for dynamic content
Apps	Similar to web parts, but run outside of SharePoint, while being hosted in the SharePoint page

SharePoint Glossary

Term	Definition
Cross-Site Publishing	Publishing from an authoring site collection to one or more publishing site collections
Catalog	A list that has been published as a catalog
Category Page	A page that displays a rollup of catalog items
Catalog Item Page	A page that displays a single item from a catalog
Display Template	Used to format the results on search pages, in content search web parts, and on category pages

Design of the Site





ENVISION
Shakespeare Company

Shakespeare Reference Project

- www.envisionit.com/shakespeare
- Download the zip file for all the artifacts
 - MindMap
 - Axure wireframe
 - Word Functional Spec
 - Visual Studio projects
 - PowerShell deployment scripts
 - Term store export/import tool and XML data
 - Term store navigation control
 - Content

Setup Your VM

- Local machine
 - 32 Gb RAM and 8 cores
 - Two SSD drives
- Single local developer VM
 - 24 Gb RAM and 4 cores
 - Windows Server 2012
 - SQL Server 2012
 - SharePoint Server 2013 installed with AutoSPInstall
 - Visual Studio 2012
 - Office Developer Tools for Visual Studio 2012

Use Cloudshare

- Need a full Cloudshare account for outbound Internet access
 - www.cloudshare.com
- May be able to use a trial if you can get the files loaded
- Download and install the trial software and Shakespeare package
 - www.mindjet.com/products/mindmanager
 - www.axure.com/features
 - <http://aka.ms/OfficeDevToolsForVS2012>
 - www.envisionit.com/shakespeare
- Need to setup the Managed Metadata Service
- Disable the loopback check

Vision and Scope Exercises

- Modify the MindMap
- Update the Wireframe
- Change the Specification
- Update the Site Columns and Content Types

MindMap

- Find and open Envision Shakespeare Company Information Architecture.mmmap
- Drag items under other items to reorganize
- Insert to add a new node
- Cursor left and right to move back up and add more nodes

Wireframe

- Find and open Envision Shakespeare Company Wireframes.rp
- Go to the News Layout
- Remove the Editor only fields (note that these are defined as a reusable block)
- Make the layout single column
- Remove the time from the Article Date
- Generate a prototype
- Review in the browser

Change the Specification

- Find and open Envision Shakespeare Company Functional Specification.docx
- Add an ESC Demo site column that is a single line of text
- Add the site column to the Base Page content type

Open the Visual Studio Project

- Find and open the Envision Shakespeare Company.sln in Visual Studio 2012
- Say No to TFS integration
- Update the Site URL for the two projects with <http://c4968397007>

Add a Site Column

- Right-click the ESC_Infrastructure project and Add Item
- Add a Site column named ESC Demo
- Open the new Elements.xml
- Copy the full Field tag
- Paste it into the existing Elements.xml
- Delete the new Site Columns files
- Set the name and group appropriately
- Save and overwrite

Add the Site Column to a Content Type

- Expand the Content Types folder
- Double-click the ESCNews content type
- Add the ESC Demo column
- Save and overwrite

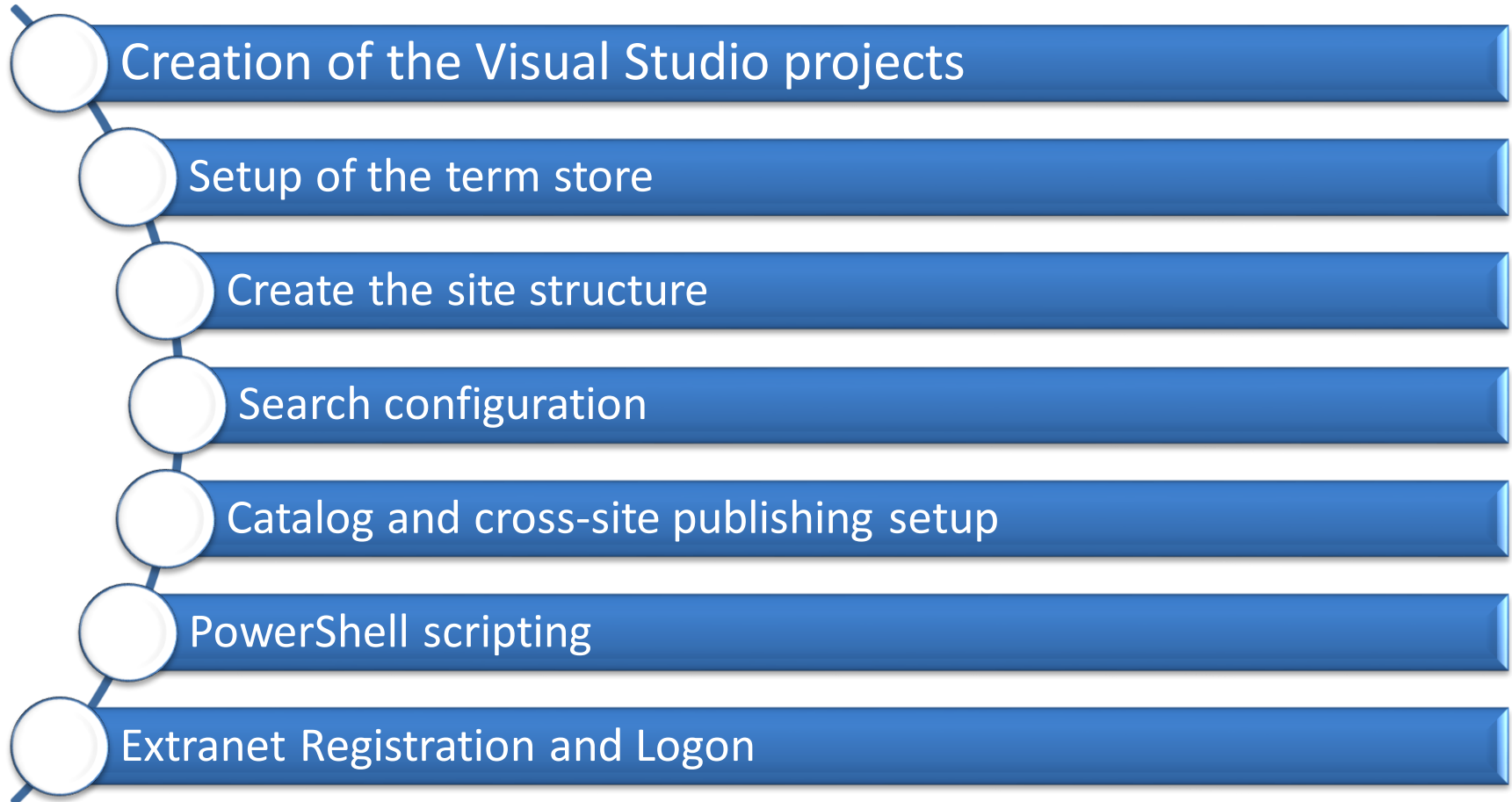
Rebuild the Project

- Build – Rebuild Solution
- Overwrite
- Right-click the ESC_Infrastructure project
- Publish
- Publish to
C:\Users\Administrator\Downloads\Envision IT
SharePoint 2013 Web Sites Training\Envision
Shakespeare Company\Builder
 - Depending on where you downloaded the zip package
- Do the same for the ESC_Branding project

Setting up the Term Store

- Go to Central Admin
- Go to Manage Service Applications
- New Managed Metadata Service
- Set the following values
 - Name to Managed Metadata Service
 - Database Name to ManagedMetadataService
 - Create a new app pool ManagedMetadataService using SPFarm
- In Central Admin Services on Server, start the Managed Metadata Web Service

Site Build



Building the Site

- Navigate to the Builder folder
- Review the ShakespeareBuild_0_SetEnvironment.ps1
- Adjust the ShakespeareTaxonomy.xml
 - Search and replace LABVM\administrator with an appropriate owner account
- Right-click ShakespeareBuild_1_Complete.ps1 and run with PowerShell
 - Problem in some environments in the Structure step
 - Need to put a Pause before and wait a few minutes before executing

Review the Site

- Start out at <http://shakespeare.labvm12.envisionit.com/Pages/default.aspx> (nav is not wired up properly so the root redirect doesn't work)
- Go to Site Settings
- Review the Site Column and Content Type Galleries
- Look for the new site column
- Go to Site Contents
- Review the various lists and libraries

Manual Steps

- Term Store
- Anonymous Access
- Image Renditions
- Rollup Images for News
- Search Crawl
- Catalog Connections

Term Store

- Clean up the term store
 - Make sure there are no referenced terms in the Catalog term set
- Set the navigation for the site to the GlobalNav term set
 - Site settings - Navigation
- Set the GlobalNav Term Set to be Available for Tagging
 - Allows the nav to be properly consumed by an anonymous user
- Set the sort order to custom, and clean up the sort order
- Customer the friendly URL for the Home page to be the root of the site (/)
- Fix the /Login page Refresh Global Navigation link to be `/login?RefreshGlobalManagedNavigation=All`
- Publish the page and click the link to refresh the nav

Anonymous Access

- Confirm in Central Admin that the web app has anonymous access enabled
 - Go to Manage web applications
 - Select the web app
 - Click Authentication Providers – Default, and confirm that the Enable anonymous access is checked
- Turn on anonymous access in the site
 - Go to Site Settings
 - Select Permissions
 - Click Anonymous, confirm access to the entire web site, and uncheck the Requires Use Remote Interfaces Permission checkbox
- Turn off Anonymous access to the /login page
 - Navigate to the page
 - Page Permissions
 - Stop inheriting permissions
- Confirm anonymous access
 - Close all the browser windows
 - Open and confirm there is no ribbon or welcome menu
 - Navigate to /login to force the authentication to happen

Image Renditions

- Image renditions depend on the blob cache
- By default it is disabled
- Enable it in the web.config for the web app
 - Open in Notepad
 - Search for Blob (second occurrence)
 - Set the Enabled to true
- Define the Image Rotator rendition
 - Go to Site Settings – Image Renditions
 - Add New Item
 - Image Rotator – 1170 x 375

Rollup Images

- Currently the Populate script doesn't set the rollup images
- Manually edit the items in the News list to add rollup images to them

Full Search Crawl

- Run a full crawl
 - Go to Central Admin
 - Manage service applications
 - Search service app
 - Content sources
 - Edit Local SharePoint sites
 - Remove <http://c4968397007> and save
 - New content source
 - Name Shakespeare
 - Start address <http://c4968397007>
 - Pull down on Shakespeare
 - Select Start Full Crawl
 - Refresh until it completes

Create the Catalog Connection

- Go to Site Settings
- Manage catalog connections
- Connect to a catalog
- Connect News
 - Select the News term
 - OK

Configure the Category Page

- Navigate to /News
- Edit the page and web part
 - Set the number of items to 10
 - Select the display templates
 - Control_News
 - Item_News
 - OK
- Publish the page

Add News to the Home Page

- Go to the home page and edit it
- Add a web part to Zone 2
- Content Rollup – Content Search
- Edit the Web Part
- Change the query
- Items matching a content type
- Restrict by content type – ESCNews (Show all content types first)
- Set the display templates
 - Control_NewsRollup
 - Item_NewsRollup
- Publish
- Note the display template needs to be fixed to point the Read all to /News

Configure the Catalog Item Page

- Get the Result Source GUID
 - Go to Site Settings – Search Result Sources
 - Click on News Results
 - Get the Source ID from the URL
 - Change the %2D's to -
- Edit the page layout
 - Go to the mapped drive in Design Manager
 - Edit the CatalogItem-News.html file
 - Find SourceID
 - Replace the GUID with the one from above
- Publish the page layout in Design Manager
- Set the page layout for news items
 - Click on a News item
 - Edit the page
 - Change the page layout to Catalog-ItemNews
 - Publish

Search

- Add a page – Search
- Change the page layout to home page
- Add a web part to Zone 2
 - Search –Refinement
- Add a web part to Zone 3
 - Search – Search Results
 - Search – Search Box
- Edit the Search Results and Refiners web parts
- Publish
- This is not wired into the master page search yet
- Update the term store to not show this as a nav term

Creating Pages and Navigation

- Add a new page – Test Pages
- Add another page – Page 1
- Go to Site Settings – Term Store Management
- Find your new pages in the GlobalNav
- Move Page 1 under Test Pages
- Go to the login page and refresh the nav

Home Page Rotator

- Edit the Home page
- Add the Image Rotator web part
- Update the license file in the Style Library and publish it
- Go back to edit the web part
 - Set the Library URL
 - Set the Image Rendition ID to 5
- Publish the page
- Load another image into the Image Rotator library

Photo Gallery

- Add a Photo Gallery Page
- Change the page layout to ESC One Column
- Add the Photo Viewer web part
- Update the license file in the 14 hive layouts folder
- Edit the web part
 - Set the height to 600, turn off the chrome, library to PhotoGallery, set the Theme
 - Image renditions can be leveraged
- Publish the page

Wrap-Up

- Design Manager and HTML master pages, page layouts, and display templates rock
- Search and Term Store are key to WCM in SharePoint 2013
- Content Search Web Part is your new best friend

Products



Envision IT
Extranet User Manager
for SharePoint



Envision IT
Digital Marketing Suite
for SharePoint



Envision IT
Video Player
for SharePoint



Envision IT
Image Rotator
for SharePoint



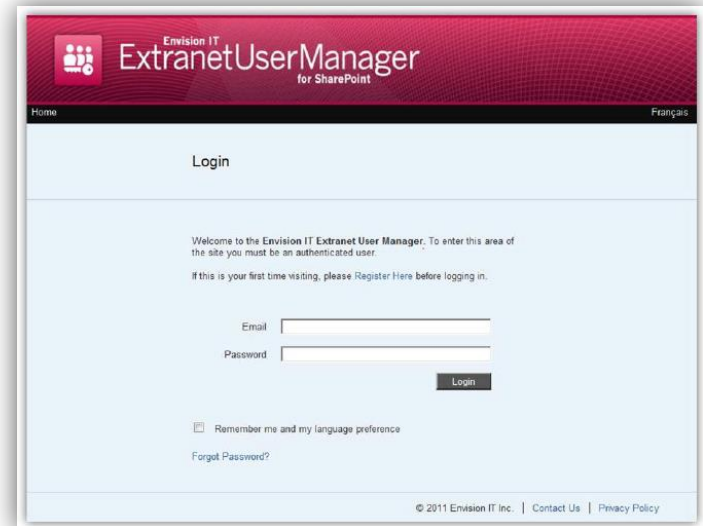
Envision IT
Photo Viewer
for SharePoint



Envision IT
Custom 404
for SharePoint



Envision IT ExtranetUserManager for SharePoint



- Easy delegation of user management to business
- Self-registration, approvals, forgotten password reset
- Single URL and sign-on for AD

Extranet Clients



STIKEMAN ELLIOTT



Microsoft SharePoint



Sample Architecture



SharePoint Web Front Ends



Office Web Apps Servers



SharePoint Application Servers



Active Directory



Clustered or Always On
SQL Server

Public Web Sites and Extranets on SharePoint

- Public web sites are pure anonymous sites
- Extranets are sites that allow external users to authenticate to consume or contribute content securely
- These can be combined in a single site
- SharePoint is ideal for all of the above

Extranet Business Goals

- Reduce supply chain inefficiencies
- Interact with your loyal customer base
- Extend customer self service strategies
- Share business resources with partners
- Extend remote employee access

Extranet Scenarios

- Collaboration or Publishing Portal
- Internet Web Site Members Only Area
- Board of Directors' Portal

Collaboration or Publishing Portal

- Team sites for collaboration
- Publishing sites for private web content publishing

Internet Web Site Members Only Area

- Public web site with a private members area
- Forms-based authentication typically used to provide a rich login experience
- Self-registration with approvals typically provided

Board of Directors Portal

- Corporate or public sector board of directors portal
- Small set of users that are typically already part of the internal corporate domain
- SSL publishing of portal externally

Identity Management, Authentication, and Authorization

Identity Management

- Process for managing the entire life cycle of digital identities, including the profiles of people, systems, and services
- For our purposes we are focused just on people
- Who creates and manages identities? The Extranet owner or the external users themselves?
- Are identities part of the Extranet or external to it?

Authentication and Authorization

- *Authentication* is the mechanism whereby systems may securely identify their users
- Authentication systems provide an answers to the questions:
 - Who is the user?
 - Is the user really who he/she represents himself to be?
- *Authorization* is the mechanism by which a system determines what level of access a particular authenticated user should have
 - Is user X authorized to access resource R?

Identity Options

Site Owned

- Active Directory
 - Corporate
 - DMZ
 - AD LDS
- SQL

External

- Social Identities
 - Windows Live ID
 - Google
 - Yahoo
 - Facebook
 - LinkedIn
- Active Directory Federation Services
- Azure Directory Services

Four Categories of Users



Internal
Users



Managed
AD Users



Managed
SQL Users



Federated
Users



Active Directory



Active Directory



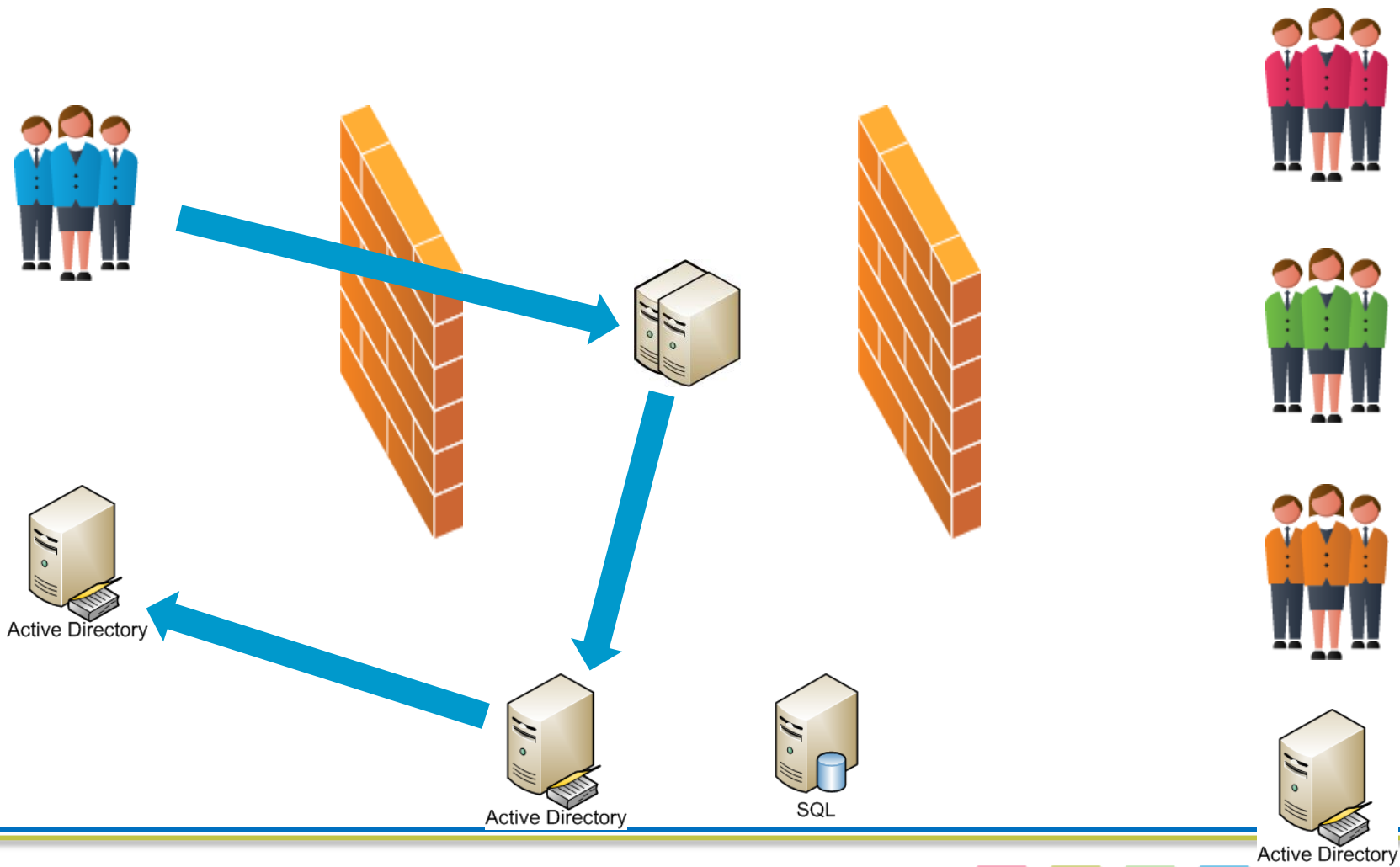
SQL



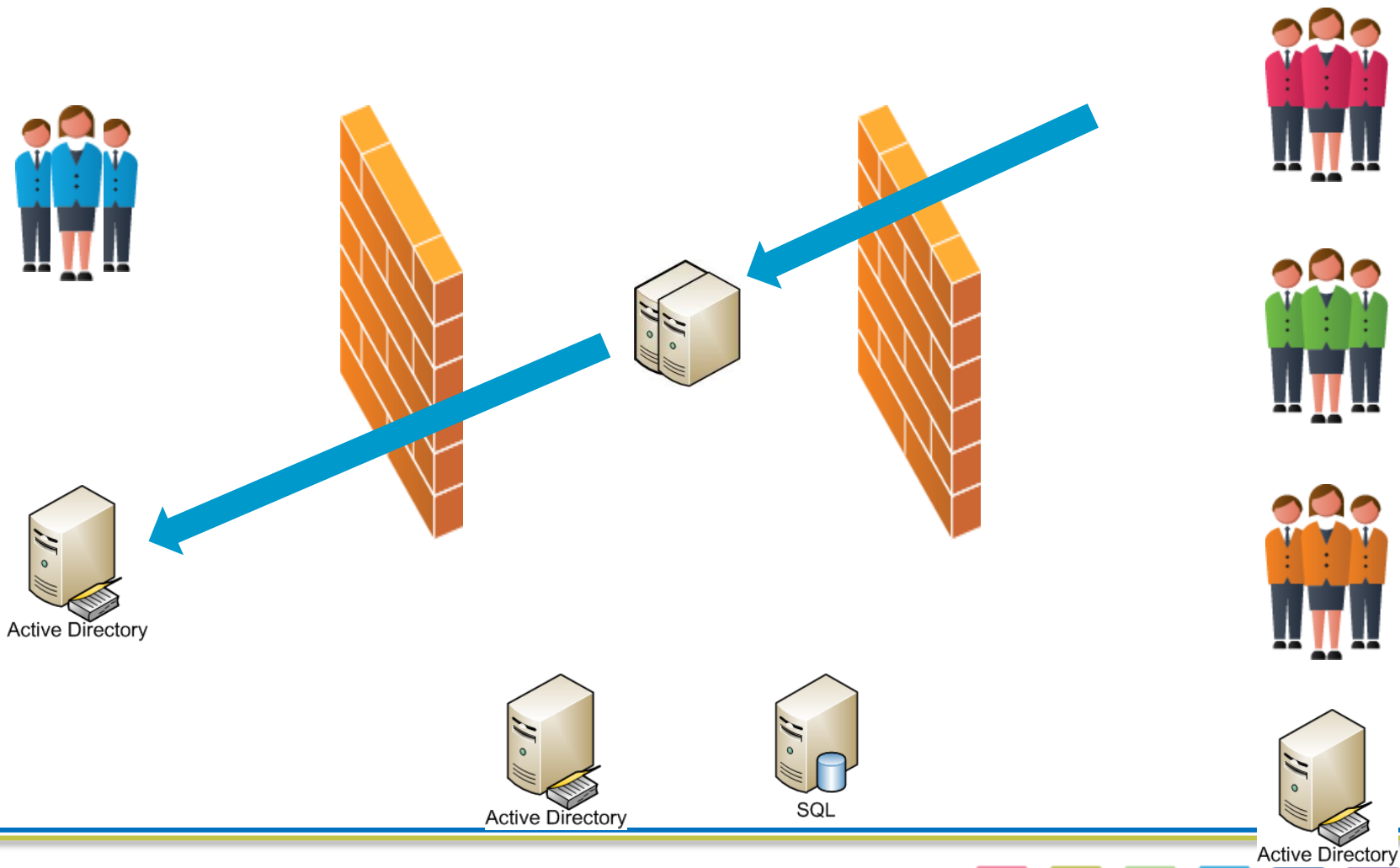
Active Directory

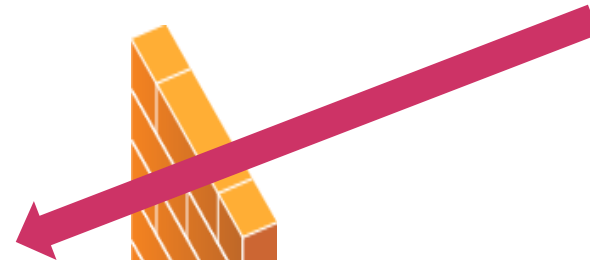
Site URLs

- Ensure that everyone is going to the same URL
- Don't extend the site or use AAM
- Having different URLs for internal and external users causes confusion, particularly with email links
- Breaks features such as alerts and workflow tasks
 - SharePoint doesn't know where to link people to









Active Directory





Active Directory



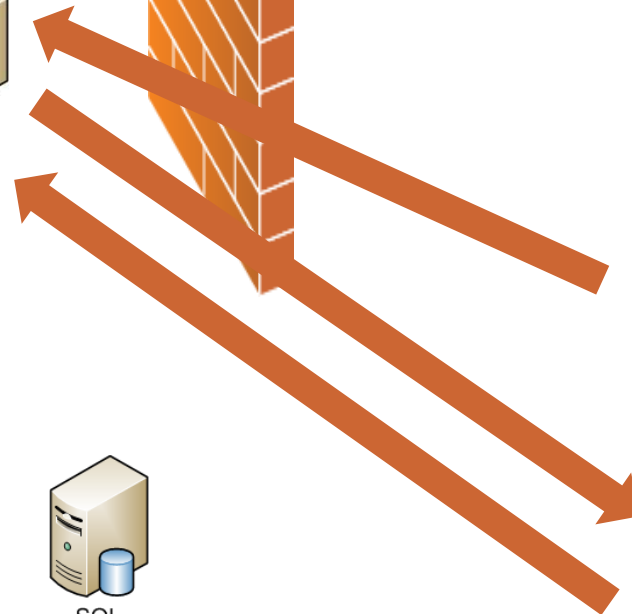
Active Directory



SQL



Active Directory



Active Directory



Active Directory



SQL



Active Directory



AD vs. SQL

Active Directory

- Generally recommended that a separate AD forest is setup for the Extranet users
- May already exist in the DMZ to support the SharePoint farm
- Richer account policy control and audit capabilities

SQL

- No additional AD is required
- Standard Microsoft ASPNETDB database stores the credentials
- Encrypted passwords

WA vs. FBA

Windows Authentication

- Supports Classic mode sites
- An advanced web gateway such as Microsoft Forefront UAG or F5 BIG-IP is recommended
 - Friendly web form is still presented
 - Can be customized
 - Single sign on can happen across multiple systems

Forms Based Authentication

- Users can be stored in either SQL or AD
- Friendly, customizable web form for login
- Login with email address, even for AD users
- Requires a Claims mode site

FBA Claims Limitations

- Search Alerts
- SharePoint Server 2010 Explorer View
- Claims to Windows Token Service (C2WTS)
- InfoPath Forms Services
- Power Pivot



Login

Welcome to the **Envision IT Extranet User Manager**. To enter this area of the site you must be an authenticated user.

If this is your first time visiting, please [Register Here](#) before logging in.

Email

Password

Login

[Forgot Password?](#)



PARTNERS FOR HEALTH



PARTENAIRES POUR LA SANTÉ


OSD

Log On

User name:

Password:

Language:

Log On

If this is your first time visiting, please [Register Here](#) before logging in.

Use the [Forgot Password](#) page if you need to reset your password.

This site is intended for authorized users only.

If you experience access problems contact the [site administrator](#).

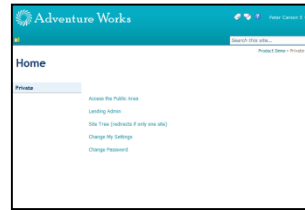
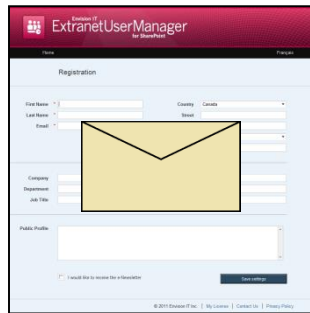
©2012, Ontario Agency for Health Protection and Promotion. [Terms and Conditions](#).

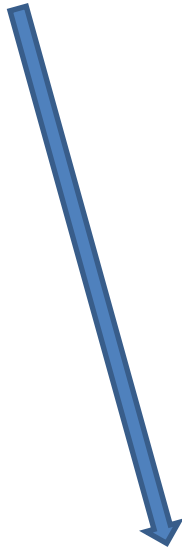
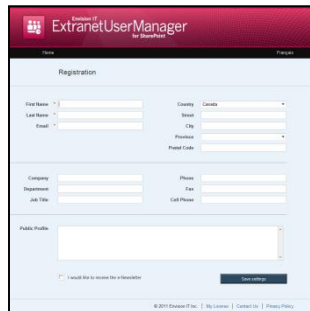
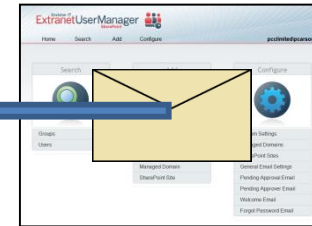
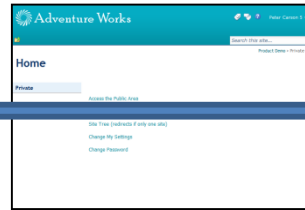


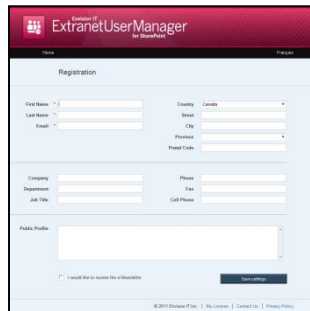
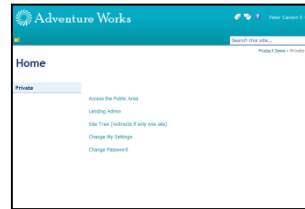
Extranet User Manager

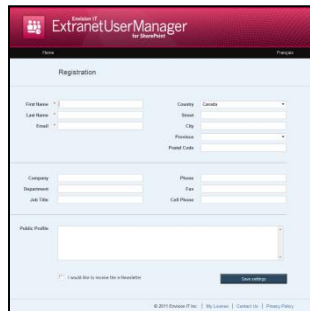
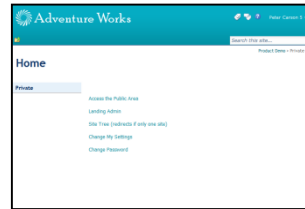
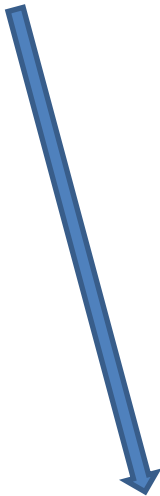
Main Components

- Administration console
 - Used by IT to configure EUM
 - Used by the business to manage users and groups
- End User
 - Components that the Extranet users see
 - Login, disclaimer, change password, forgotten password
- Registration
 - Allow users to self-register
 - Support approval workflows



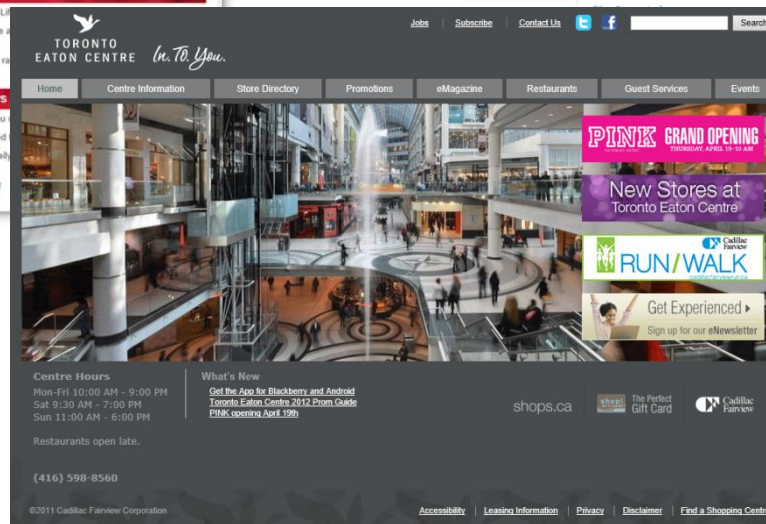
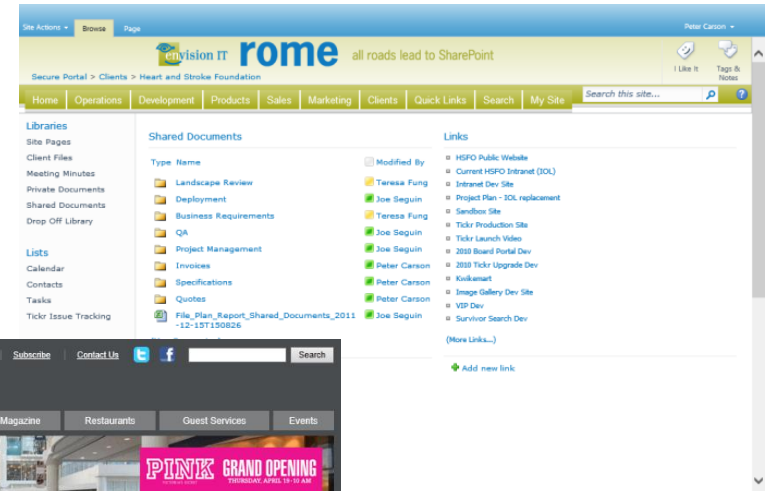
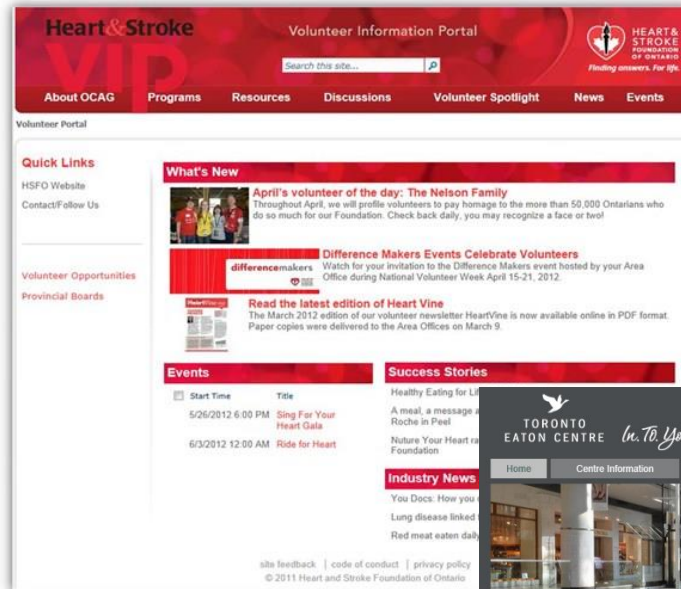






Case Studies

Collaboration or Publishing Portal



Internet Web Site Members Only Area

Boys & Girls Clubs of Canada
Clubs Garçons et Filles du Canada

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Get Involved | Clubs & Programs | About Us | Resources | Partners | What's New

PRINT | SHARE

The Club became pretty much my second home

More >

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Sign-up For Newsletter >

Find a Club

- select a province -

- enter a postal code -

Start a Club >

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Latest News >

30/2012
Boys and Girls Clubs of Canada and Capital One Launch Capital One Race for Kids
It's not a run. It's not a walk. It's something...

3/23/2012
Boys and Girls Club of Canada and President's Choice® Children's Charity Partner to Fuel Brighter Futures for Canadian Children
Boys and Girls Clubs of Canada (BGCC) is proud to...

Our Mission >

To provide a safe, supportive place where children and youth can experience new opportunities, overcome barriers, build positive relationships and develop confidence and skills for life.

More >

BGCC is helping kids get moving in partnership with:

Did You Know?

For over 100 years, Boys and Girls Clubs have used the model of learning through play in our after-school programs.

This Globe & Mail article examines how play-based learning and a focus on building emotional intelligence can help kids be more successful in life.

More >

Bullying Stops Here!

2012 Pink Shirt Day

Pink Shirt Day is the one of the largest anti-bullying awareness days in Canada. Boys and Girls Clubs across the country took part again this year encouraging staff and members to wear something pink and help tell the world that "Bullying Stops Here!", so that no more children and youth have to experience the fear and humiliation that comes from bullying.

Sharing solutions. Changing lives.

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Getting Help

- > Do You Need Help? Take the Quiz
- > Information About Counselling
- > Information For Families
- > Self-Help Workbook

More...

Information for Helping Professionals

- > For all Helping Professionals
- > Courses and Training
- > Clinical Tools
- > Translated Resources/Documents

More...

Research

- > Published Research
- > Studies in Progress
- > Journal of Gambling Issues
- > Author Biographies

More...

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Featured Links:

New Online Self-Help Tools: Visit our new online self-help tools for individuals and families affected by problem gambling. [More...](#)

Press Release: CAMH Launches Self-Help Web Site and Mobile App for Problem Gambling [More...](#)

Fundamental Concepts of Problem Gambling: April 10 to May 6, 2012
This four week online course will provide students with a practical understanding of gambling and problem gambling. [More...](#)

Youth Making Choices: Gambling Prevention Program: Equipped with these lessons, teachers can provide students with the information needed to make sound decisions about gambling and to better understand the potential risks. - [More](#)

Press Release: 29,000 Ontario students report problem gambling – drug use and suicide a concern: New curriculum to address gambling issues released for National Addictions Awareness Week - [More](#) ...

Concerned About Gambling?

Access free Self-Help Tools
Anonymous and Confidential

[VISIT US >>](#)

Problem Gambling Handbooks (PDF)

[The Issues, the Options](#)
[A Guide for Families](#)
[A Guide for Helping Professionals](#)
[A Guide for Financial Counsellors](#)

Ontario Problem Gambling Helpline
1.888.230.3505

Gambling Fact
3.5% of Ontario adults experience moderate to severe problem gambling.

[Read more facts like this](#)

DISCLAIMER: Information on this site is not to be used for diagnosis, treatment or referral services. CAMH does not provide diagnostic, treatment or referral services through the Internet. CAMH accepts no responsibility for such use. Individuals should contact their personal physician, and/or their local addiction or mental health agency regarding any such services. Technical enquiries: webmaster@problemgambling.ca

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Board of Directors Portal





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- **No limits on the number of web front ends**
- **20% annual Software Assurance provides all product updates**
- **Dev and QA farm licenses provided as part of the production farm license**



EUM Install

- Download the trial
- Cloudshare install guide is on our site
- Need to setup or have access to an SMTP Server
- Go through the install wizard for a SQL FBA install
- Copy the new license file
- Close the browser and relaunch the site
- Log in with your domain\username account and password
- Navigate to /LandingAdmin to add SQL users

Infrastructure Build



Farm Architecture

Hosting Options (On-Premise, Azure, Third-Party)

AutoSPInstall to install SharePoint

http/https Publishing

Claims and Forms-Based Authentication (SQL and AD)

Infrastructure Build

- Farm Architecture
- Hosting Options (On-Premise, Azure, Third-Party)
- AutoSPInstall to install SharePoint
- http/https Publishing
- Claims and Forms-Based Authentication (SQL and AD)

Application Lifecycle Management



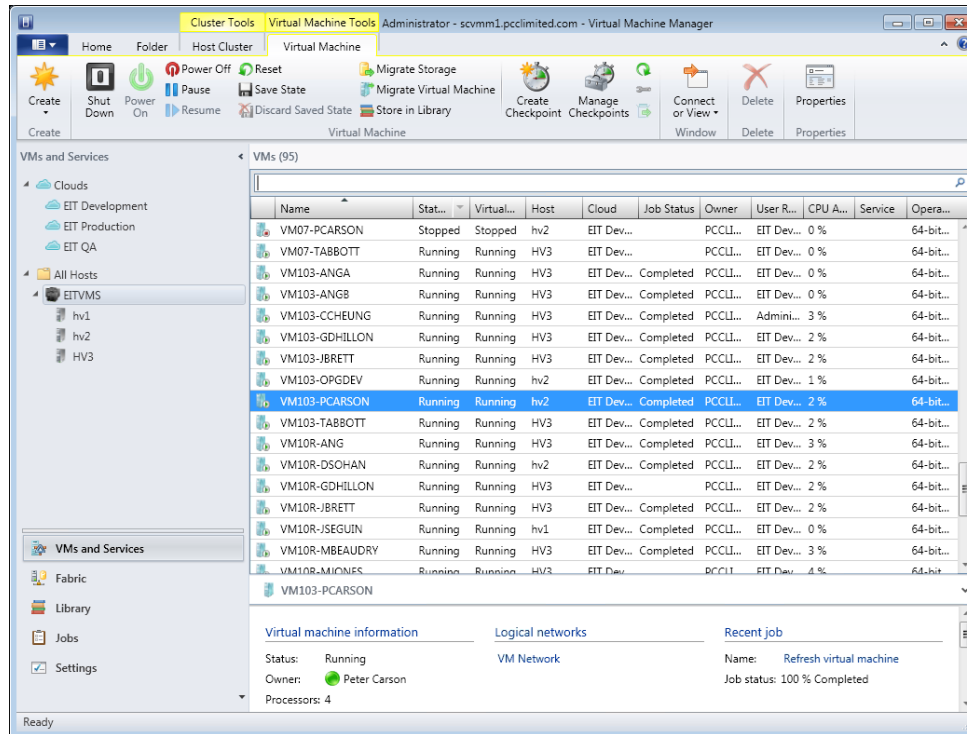
Purpose

- How do we build a solid SharePoint development environment for the enterprise?
- How do a number of developers work together on a SharePoint project?
- How does code and content move through a dev, test, and production lifecycle
- What is Agile and Continuous Integration, and why is it important?

Visual Studio and Team Foundation Server

- Visual Studio 2010 is the development platform for coding on SharePoint 2010
- Team Foundation Server integrates with Visual Studio to provide a repository for code, test, and other project artifacts
 - It facilitates teamwork by providing a common place for developers to work together

Provisioning SharePoint Farms



AutoSPInstaller



Windows Server[®] 2008 Hyper-V[™]

Provisioning SharePoint Farms

- Every developer needs their own complete SharePoint farm
- Teams need a dev integration farm to bring their work together on
- A full architecture needs QA and production farms as well

Developer VM Template

- Windows Server 2012 Standard
- SharePoint Server 2013 Enterprise
- Visual Studio 2012 Premium
- Office Developer Tools for Visual Studio 2012
- Office 2013 ProPlus
- SharePoint Designer 2013
- Fiddler
- SQL Server 2012 Standard

Creating a new Developer VM

- Open System Centre Virtual Machine Manager
- Create Virtual Machine
- Choose the Developer VM template
- Set the virtual machine name and options
- Create and start the VM

Creating a new Developer VM - Step 2

- Developer RDPs to their new VM
- Complete the SQL Server installation
 - Create the default instance
 - Set the service account(s)
 - Set the authentication mode and server administrators
- Update the AutoSPInstallerInput.xml file
 - Set the machine name for the default sites and database server
 - Set the service account passwords
- Run the AutoSPInstallerLaunch batch file
- Do a Health check review

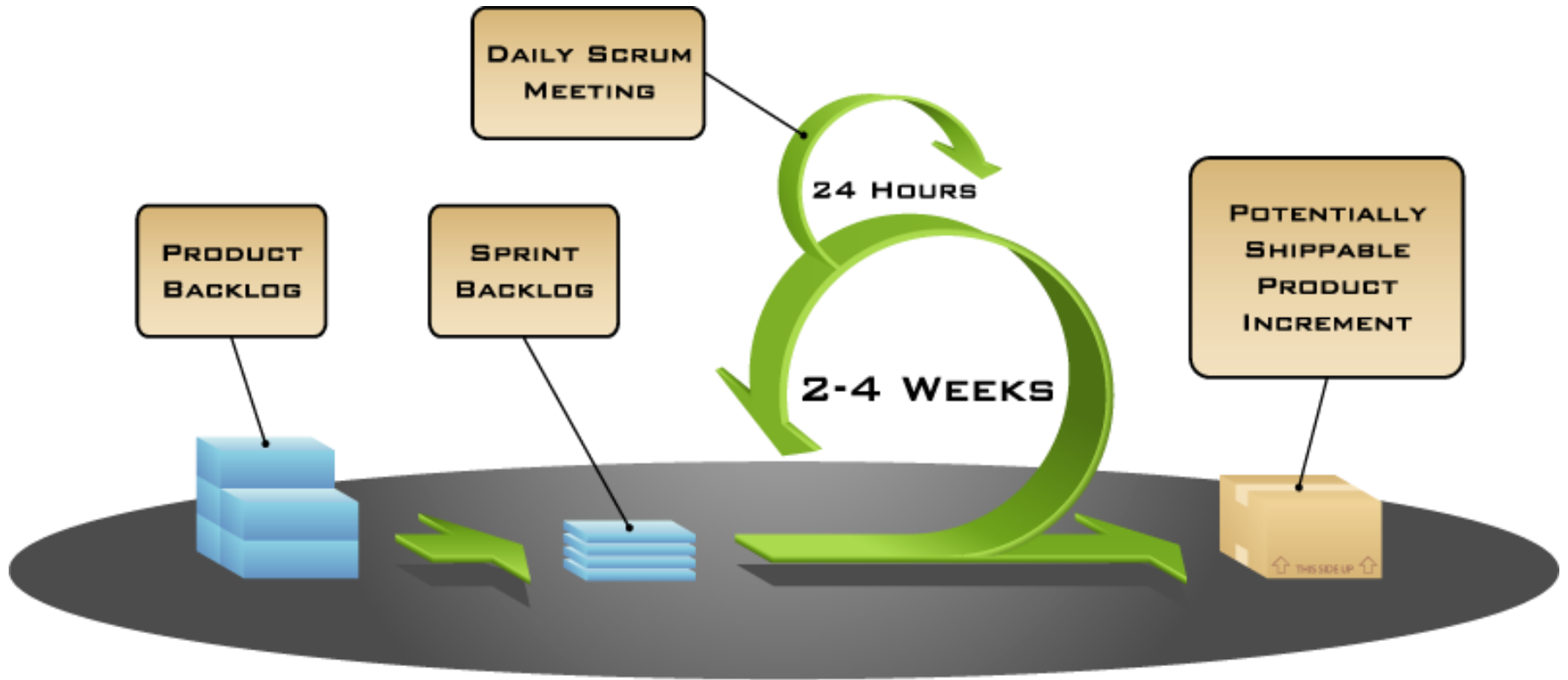
Creating a new Developer VM - Step 3

- Start Visual Studio
- Connect to the Team Foundation Server
- Setup your workspaces
- Use a standard naming convention across your team
 - C:\Development*TFSCollection*

Other Environments

- Dev Integration, QA and Production can all be built using AutoSPInstall
- Don't need or want the Visual Studio or Office tools on these servers
- We have a base template we use for dev integration servers
- QA should match the Prod architecture as closely as possible
 - High availability with load balancing, clustered SQL, app servers, DMZ, hardening, Internet publishing

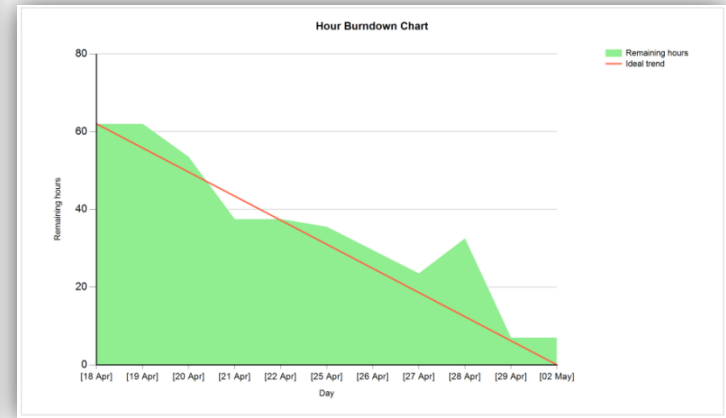
Agile Development



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Agile with Team Foundation Server

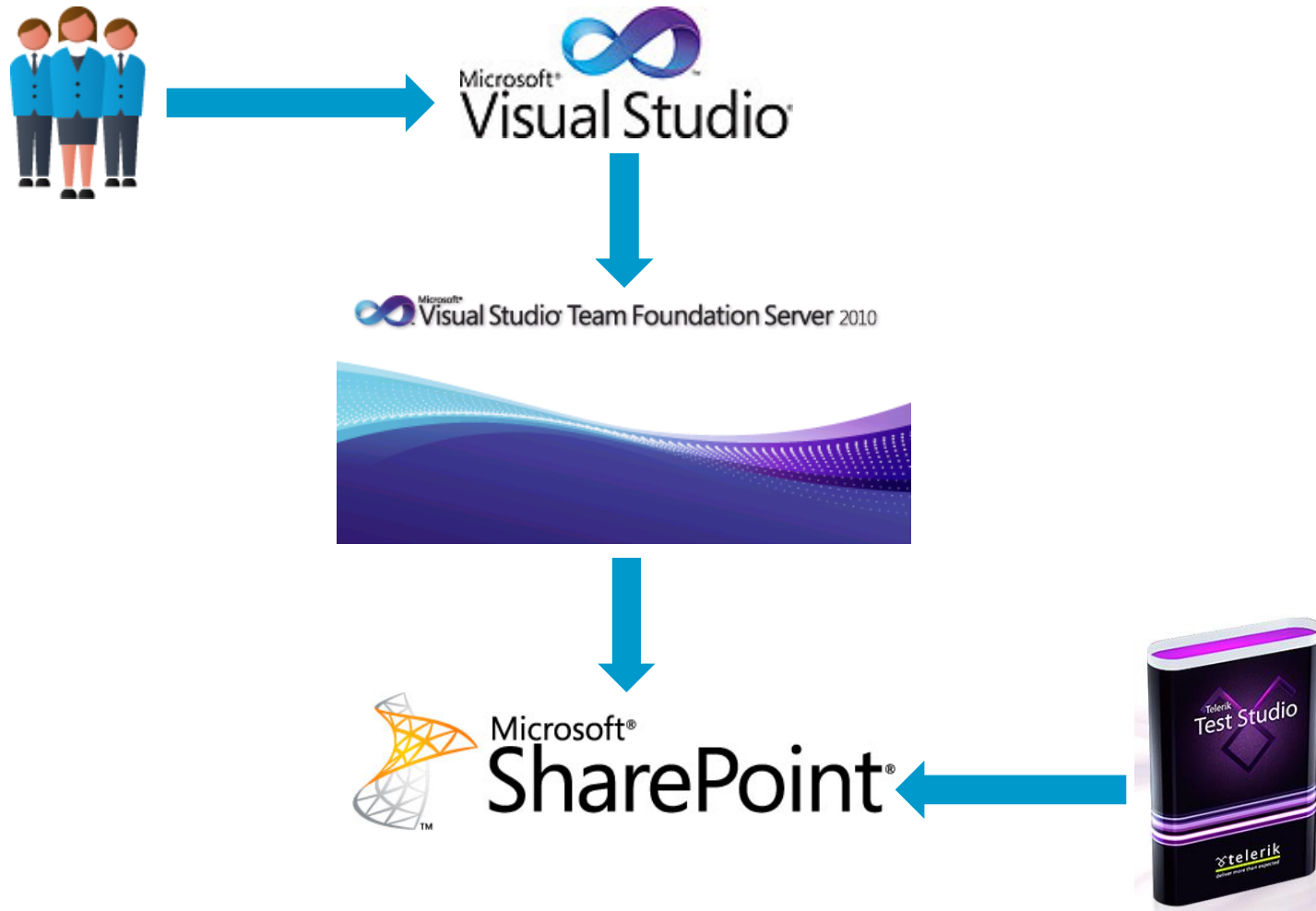
The screenshot displays the Visual Studio 2010 Team Web Access interface. The top navigation bar includes tabs for Home, Work Items, Source, Build, Planning board, and Task board. The 'Task board' tab is active, showing a Kanban-style view of work items. The left sidebar shows the project hierarchy: 'Extranet User Manager' > 'Sprint 4 - More fixes - Package'. The main area is divided into three columns: 'To Do', 'In Progress', and 'Done'. Work items are represented as cards with details like ID, title, priority, and assignee. For example, item 2087 is 'Rename a Group - 7 object already Exists' (Medium priority, Done). Item 2105 is 'Check if the role exists in AD - it won't be in th...' (Medium priority, In Progress). Item 2106 is 'Add Private GetRolePath to return path to ROLE th...' (Medium priority, Done). The bottom of the screen shows a footer with license information: 'Powered by Urban Turtle 3.12.0.0 - Enterprise (40 users) license attributed to Envision IT - Renewal Date : Wednesday, May 02, 2012 - Renew License - Contact Us'.



Creating Your TFS Project

- Open Visual Studio
- Make sure you are connected to the right Team Project Collection
- In Team Explorer, right-click the top collection and create a new Team Project
- Use the Scrum 1.0 template
- Go into the Areas and Iterations
 - Delete the extraneous releases and sprints
 - Create a product backlog iteration
- Start adding your stories and tasks

Continuous Integration



Continuous Integration

The screenshot displays the 'Team Foundation Server Administration Console' window. The left-hand navigation pane shows a tree structure with 'TFSBuildServer1' expanded, containing 'Build Configuration' (highlighted) and 'Logs'. The main content area is titled 'Build Configuration' and includes a 'Refresh' button and a 'Help' icon. The text within the main area states: 'Build Service configured for http://teamserver2010:8080/tfs/envisionit'. Below this, it identifies 'TFSBuildServer1' as having started on 'http://tfsbuildserver1.pcclimited.com:9191/Build/v3.0/Services as NetworkService' and provides links for 'Restart', 'Stop', 'Properties', and 'Unregister'. It also notes 'Events: None in the last 24 hours' and explains that 'Each Build Controller manages a set of Build Agents. Each Build Agent must be assigned to a Build Controller, but the Controller does not have to be on the same host machine.' A 'New Agent...' link is present. Two components are listed: 'TFSBuildServer1 - Controller' (Ready) with links for 'Properties', 'Delete', 'Disable', and 'Restart'; and 'TFSBuildServer1 - Agent1' (Ready) with links for 'Properties', 'Delete', 'Disable', and 'Restart'. The bottom status bar indicates 'Last Refresh: 1/31/2012 1:32:37 AM'.

Automated Testing

The screenshot displays the Telerik Test Studio application window. The main interface includes a menu bar (File, Record, Test Lists, Results, Reports, Help), a toolbar with icons for various actions, and several panels: Data Sources, Project Files, Properties of 'Ei_seginka', and Test Lists. A 'Setup Binding' dialog box is open in the center, showing the 'Data Selection' dropdown set to 'team reports - (Excel)', the 'Select Table' dropdown set to 'Polya5', and a 'Preview Data' table with 705 rows. The 'Preview Data' table contains the following information:

task	hours spent	additio
Sitefinity homepage & charshaf redesign	1	
Testing homepage redesign	1.5	
Dev tools charshaf & page revamp	5	
TeamPulse slide for homepage - fixes	0.75	

The 'Test Lists' panel on the right shows a list of test runs with their dates and times, and a 'Test Lists Run Results' panel at the bottom right shows the results of the test runs.

SharePoint Site Elements

- Site structure
 - Site columns, content types, subsites, lists, libraries
- Branding elements
 - Master pages, layouts, CSS, XSLT, supporting images
- Custom web parts
- Page and site content
- Web part instances
- Search
- Workflows
- Business Connectivity Services
- Managed Metadata

SharePoint Site Elements – Part 2

- Access, Excel, Word, Visio
- PerformancePoint
- Document conversions
- Timer jobs
- Secure Store Service
- User profiles

Site Structure

- Site columns
 - Define the fields that are used by content types
- Content types
 - Defines collections of site columns for different types of content
- Subsites
 - The hierarchy of sites that make up the site collection
- Lists and Libraries
 - The lists and libraries for each subsite

Site Structure – Part 2

- Site columns and content types can be programmatically or manually created
 - GUIDs cannot be manually set, and code may need them to be consistent
- You can create them manually in SharePoint, save the site as a template, and import them into Visual Studio to create a proper WSP package
 - Not that difficult to author them in Visual Studio

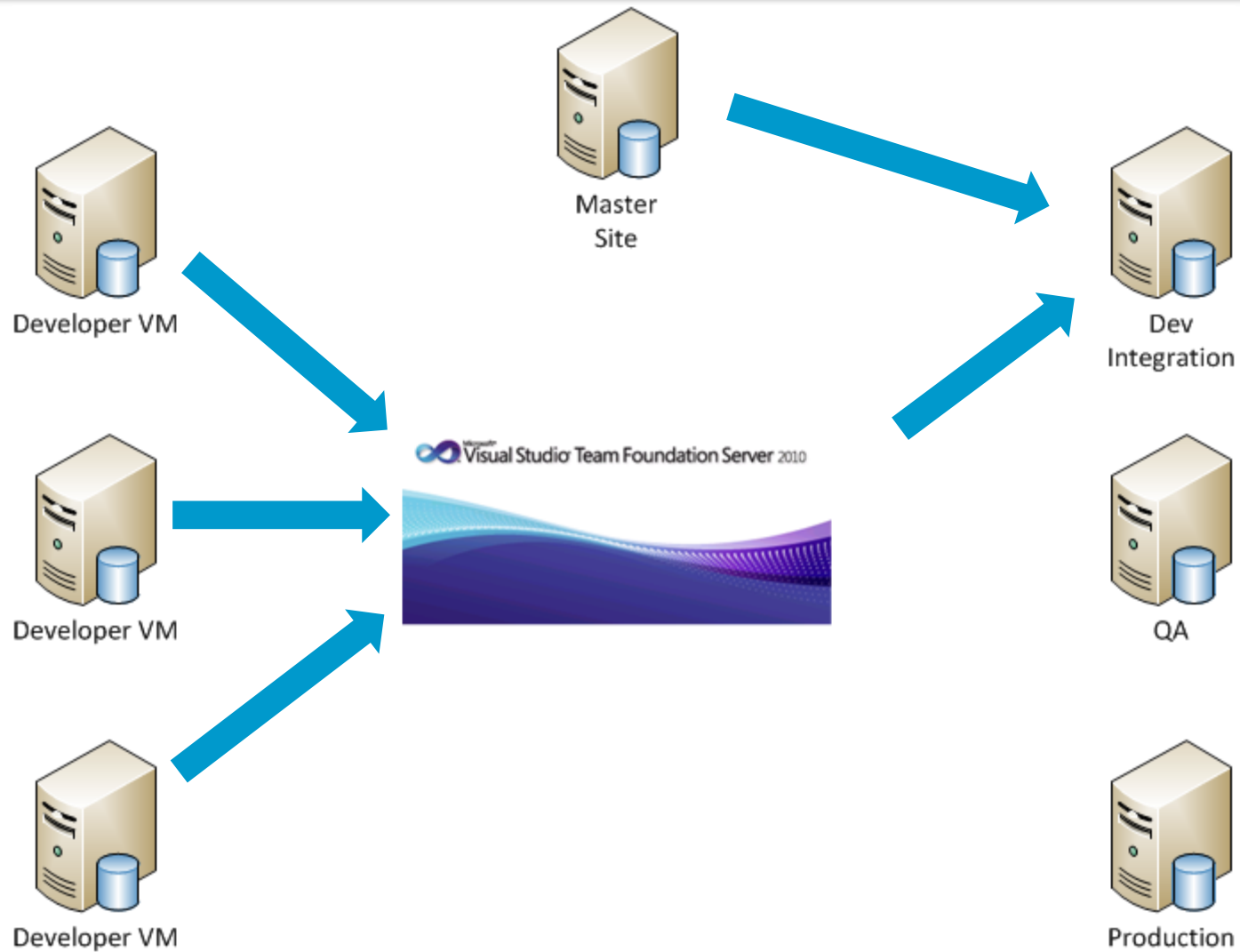
Site Structure – Part 3

- Site structure can also be done either programmatically or manually
 - Many sites are complex and it is error prone to create manually
 - PowerShell scripting is ideal

Site Structure – Part 4

- For all site structure elements, changes can also be manual or programmatic
 - It is useful to be able to delete the whole site collection and recreate it programmatically
 - As soon as content starts being authored in SharePoint, it becomes difficult or impossible to do that
- After content authoring has started
 - Site column and content type changes need to be programmed explicitly (you can't just drop the content type and recreate it)
 - Site structure changes are usually done manually at this point
 - Should be scripted and tested
 - Changes need to be backed up and restored

Change Management



Branding Elements

- Web developers prefer to work in Design Manager
 - Faster to make and see changes
- Developer is free to make changes in their own VM
 - Working against a restored copy of the master site
- When they are ready to deploy, they package their files in a Visual Studio project
 - Results in a WSP solution file
 - This is deployed to the dev integration and other environments
- Developers never use Design Manager or SharePoint Designer against the master or dev integration sites

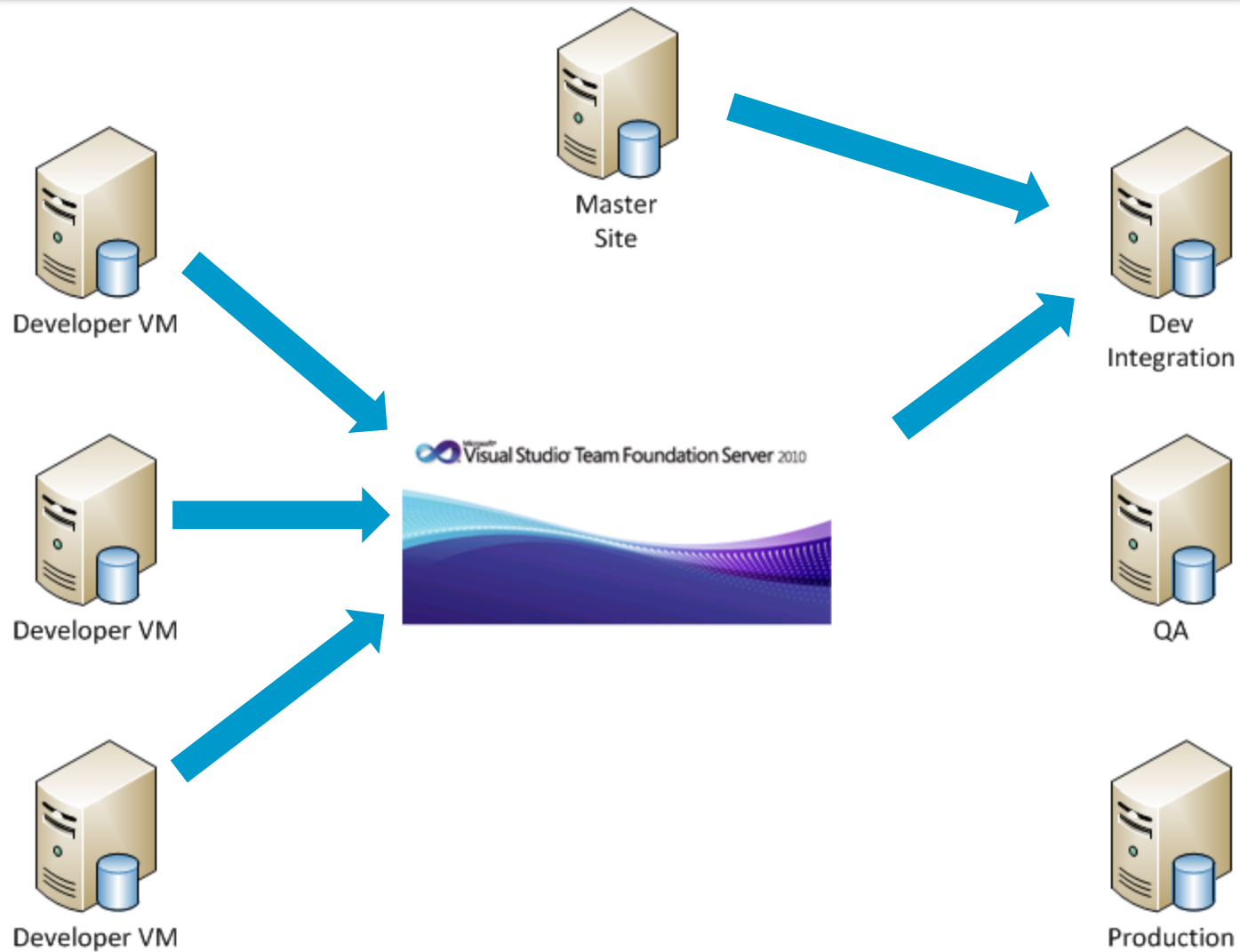
Branding Elements – Part 2

- Elements are typically in one of two modules in a branding feature
- Master page
 - Master Pages
 - Page Layouts
 - Display Templates
- Style Library
 - CSS
 - Images
 - JavaScript
 - XSL

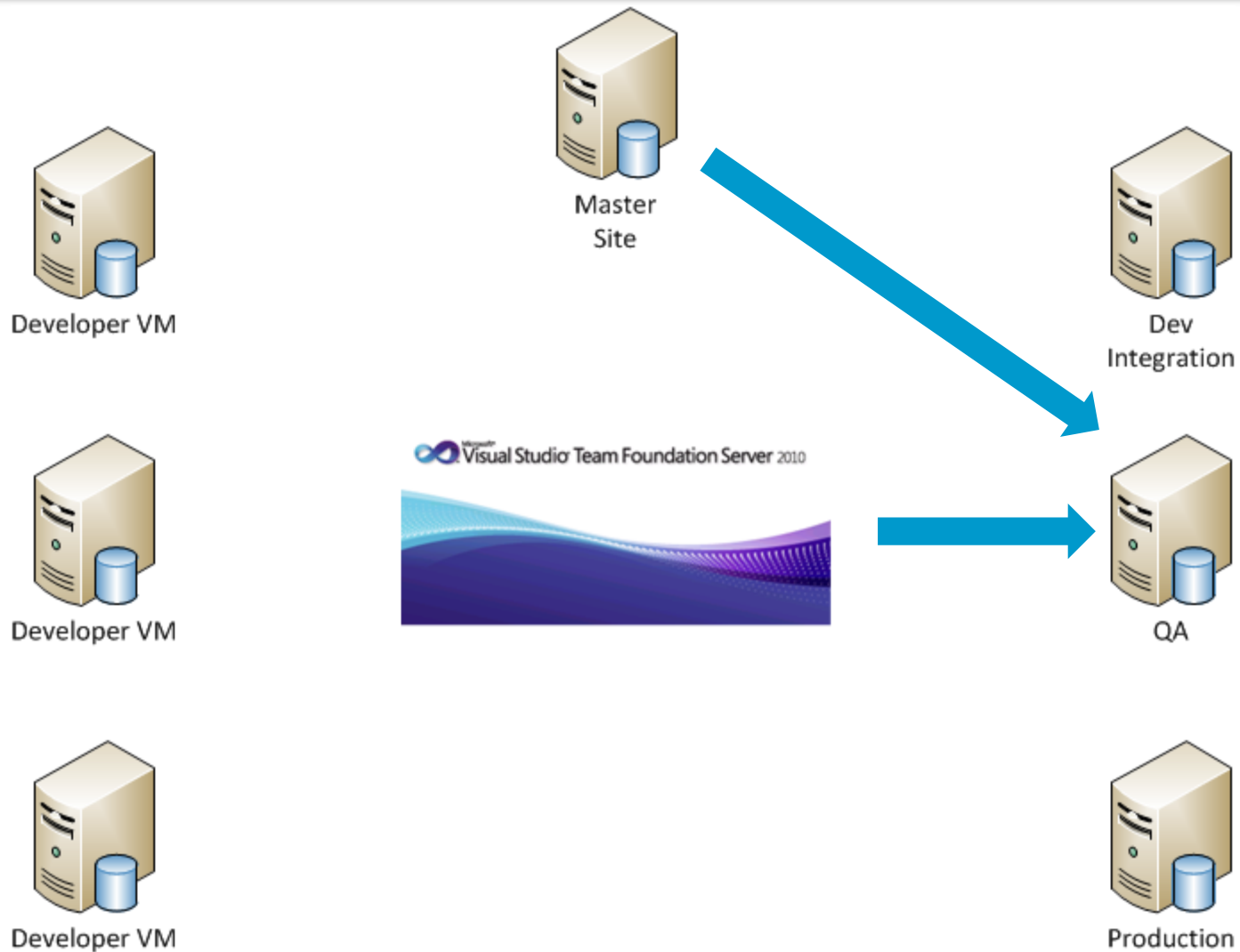
Page and Site Content

- Page and site content is entered directly into SharePoint by the content authors
 - Web pages, images, PDFs, list content, etc.
 - This should be done in the master site separate from where dev integration is happening
 - Care needs to be taken with this site once authors start working
 - Make sure it is part of your production backup plan
- Periodically back it up and restore it to the dev integration and developer VMs
 - Can also script the content out for injecting into dev environments
- Ultimately it will be backed up and restored to the QA and production farms

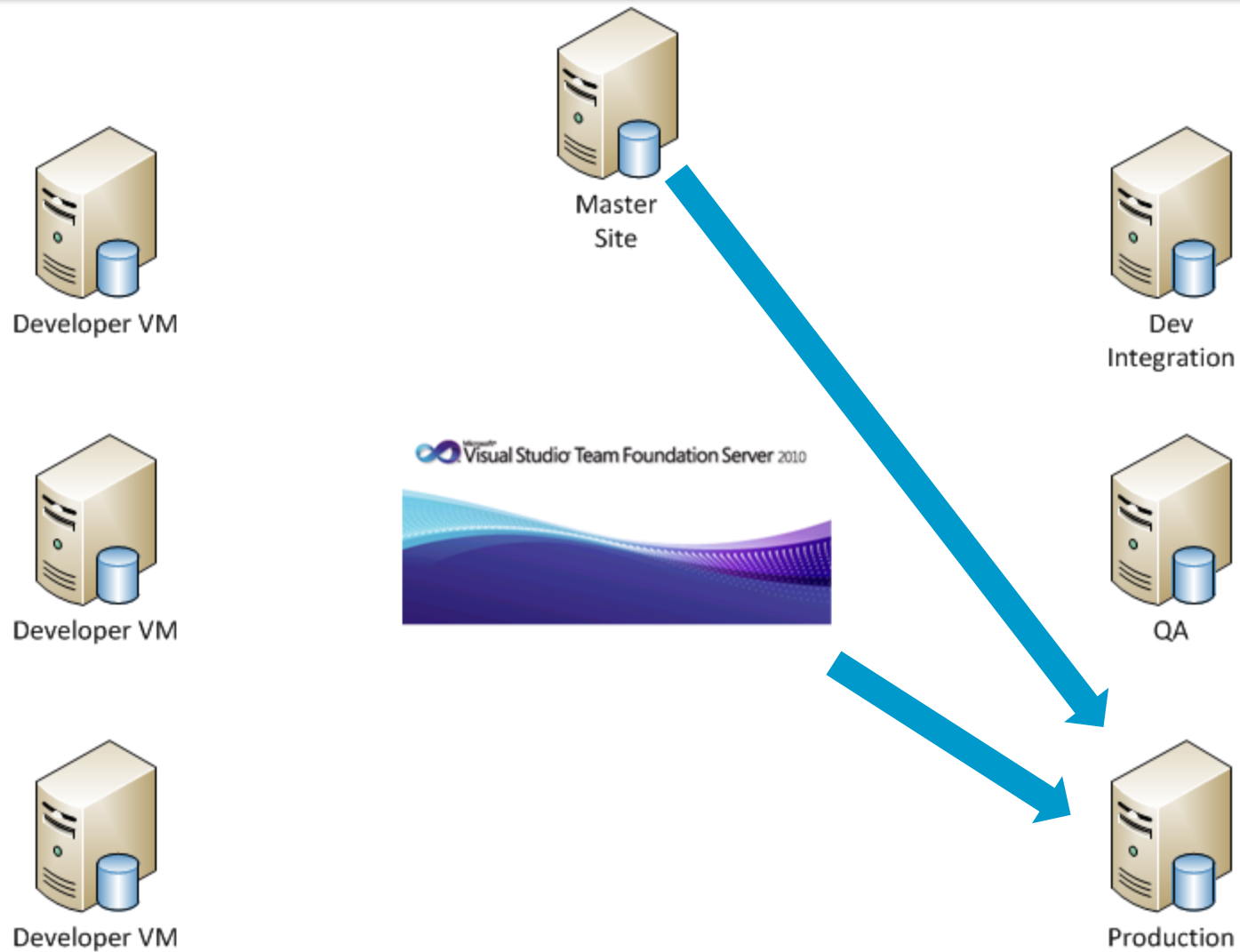
Change Management



Change Management



Change Management



Change Management



Web part instances

- Web parts ultimately get placed on pages
- The configuration of the web parts can often get quite complex
- You may want to disable editing of web parts for general content authors
- They end up in a grey zone between code and content

Web part instances – Part 2

- We created our own internal tool to export and import web parts
- Each web part's configuration can be exported into a .webpart file
- We scripted the extraction from the dev integration
- .webpart files are treated like code and checked into TFS for version control
- Script then applies the new .webpart files to the target environment

Search

- The [SharePoint Enterprise Search Migration Tool](#) was used to migrate between environments in 2010. You can download the tool [HERE](#).
- Applies to: Microsoft FAST Search Server 2010 for SharePoint | Microsoft SharePoint Server 2010 | Microsoft Office SharePoint Server 2007
- For SharePoint 2013 our current approach is to document and manually implement search in each environment
- Again PowerShell scripting would be best

Workflows

- Workflows can be built using SharePoint Designer, Visual Studio, or third-party tools (Nintex or K2 primarily)
- Visual Studio workflow projects are automatically packaged as WSP solution files
 - Simply deploy the WSP file to the other environments
- SharePoint Designer workflows need to be deployed using SharePoint Designer
 - This means you need SPD access to production, which is not always possible
 - You can load the SPD workflow into Visual Studio to package it, but you lose the ability to edit it in SPD
- If you use third-party tools you'll need to define the process for that as well

Business Connectivity Services

- BCS can be built using either SharePoint Designer or Visual Studio
- Visual Studio BCS projects are automatically packaged as WSP solution files
 - Simply deploy the WSP file to the other environments
 - You can also export the BDC metadata model in the BDC service application
- SharePoint Designer doesn't create a WSP, and it doesn't make a complete BDC metadata model
 - You need to export and import using SharePoint Designer
- In both cases you still need to deal with connection and configuration information

Managed Metadata

- Microsoft supports exporting and importing of term store information
 - Doesn't support all of the term store properties
 - In particular the navigation properties are not supported
- We have created the MigrateManagedMetadata.exe to do a full migration
- Supports migrating at the Term Store or Group level

Future Directions

- Visual Studio Lab Management
 - Integrates the management of HyperV environments in with Visual Studio and Team Foundation Server
 - Can automate the provisioning of lab environments for automated testing
 - Test failures can snapshot entire environments to make reproduction of errors much easier

Summary

- You're going to have lots of SharePoint environments – figure out how to build them quickly and repeatable
- Code and content often move in opposite directions through dev, QA, and Prod. Script and automate to keep this simple
- Agile is a great way to run projects
- Continuous integration with automated testing is key to its success
- There are lots of parts of SharePoint that you don't code through Visual Studio. Figure out how you move those through your environment

Links

- <http://blog.petercarson.ca>
- <http://autospinstaller.codeplex.com/>
- System Centre Virtual Machine Manager 2012 Beta
<http://www.microsoft.com/download/en/details.aspx?id=609>
- Team Foundation Server 2010
<http://www.microsoft.com/visualstudio/en-us/products/2010-editions/team-foundation-server/overview>
- <http://urbanturtle.com/>
- <http://www.telerik.com/automated-testing-tools/>

Simcoe County District School Board

Project Overview

Key Stakeholders

Timing

Elementary Pilot

Secondary

Rollout



SCDSB – Agile Approach

2-week Sprints

- Planning/Review Sessions at SCDSB
- Dedicated Team

Team Members

- Product Owner/Stakeholders
- Scrum Master
- Developers

Sprint Planning

- Story Writing – with the full SCDSB team
- Task Decomposition – Development team

Team Foundation Server

- Urban Turtle
- SCDSB can monitor progress

Sprint Review

- Demonstration
- Retrospective

SCDSB – Elementary Sites Overview

- Master Site
 - School List
 - School Name, Address, Phone Numbers
 - Admin Staff, Trustee
 - Region, Area, School codes
 - News Catalog List
 - Events Catalog List
 - Admin Page

SCDSB – Elementary Sites Overview

- Individual School Sites
 - School List (separate from master list)
 - Image Rotator
 - News
 - Events Calendar
 - Quick Access, Links
 - Custom content pages
 - Navigation

SCDSB – Pilot Site



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September 2013

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8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

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School Hours

Morning Bell	8:50 AM
First Break	10:50-11:30 AM
Second Break	1:10-1:50 PM
Final Bell	3:30 PM

What's New

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Athletes of the Year announced

At the end of each school year, Simcoe County secondary school coaches select their top athletes in four categories: ...

UPDATE on road closures - may affect Barrie North and Oakley Park at dismissal times

If road closures are still affecting the Grove St/Davidson area (due to ongoing police investigation in the area) at ...

Machinist, mechanical and woodworking equipment auction at Park Street

Machinist, mechanical and woodworking equipment from various Simcoe County District School Board (SCDSB) schools will be auctioned off on ...

Quick Access



[High school](#)



[Registration](#)



[Bus Information](#)

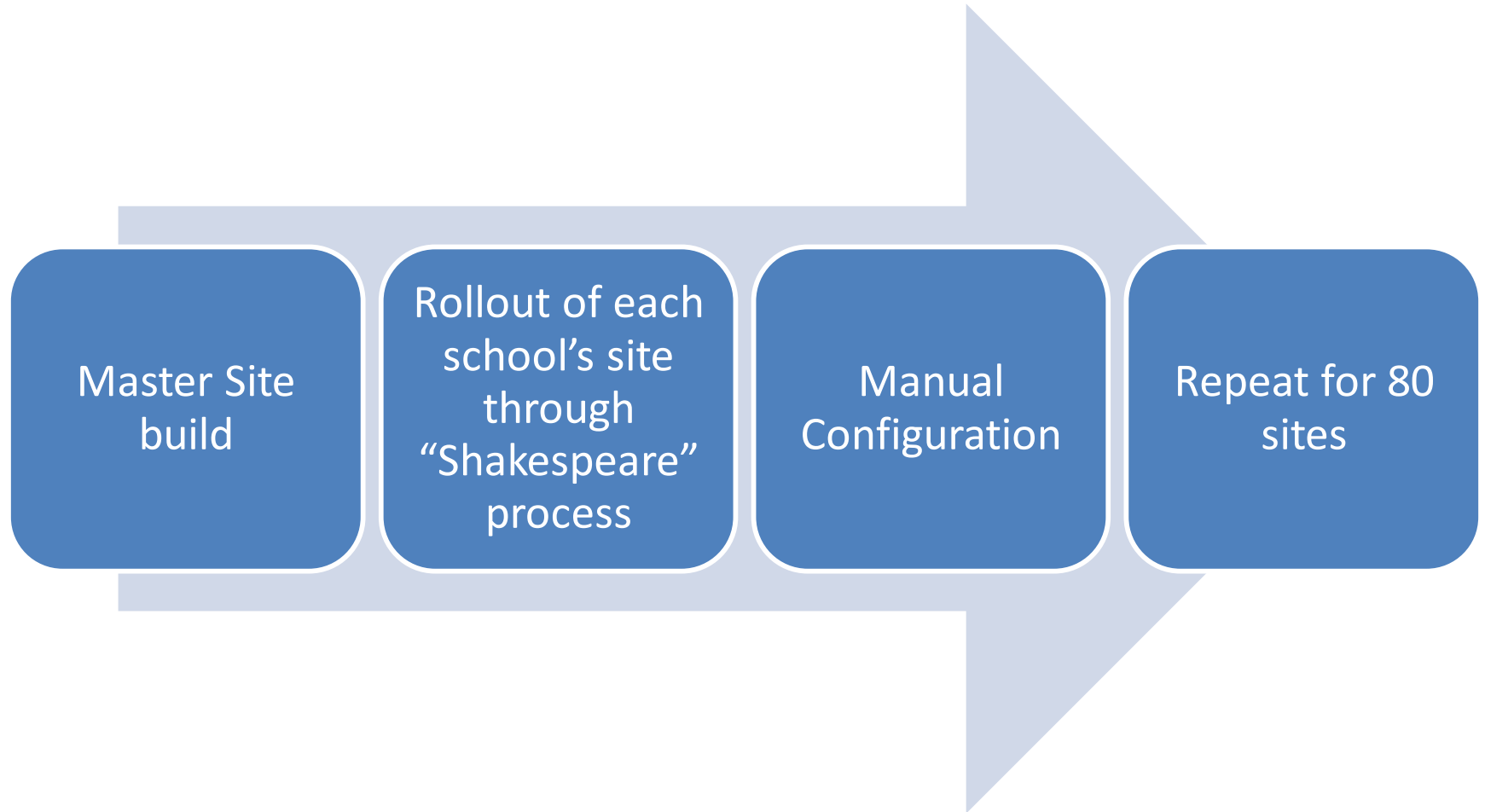


[Pay fees](#)

Useful Links

- [Boarding Meeting Video Streaming](#)
- [Community Use of Schools](#)
- [School Locator](#)
- [Facility Partnerships](#)
- [Meet your Trustees](#)
- [Contact Us](#)

SCDSB - Process



Analytics



Setting up Google Analytics Tracking

Configuring the Google Analytics reporting

Google and Bing WebMaster Tools

SEO, 404 page not found, and redirects

Analytics and SEO

- Setting up Google Analytics Tracking on your site
- Configuring the Google Analytics reporting
- Google and Bing WebMaster Tools
- SEO, 404 page not found, and redirects, why they are so important

Q & A

