What's New in Search in SharePoint 2013 Webinar

Presented by Peter Carson
President, Envision IT

October 30, 2012

envision IT
Leaders in SharePoint Solutions

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- Twitter @carsonpeter
- VP Toronto SharePoint User Group
- Iron SharePoint Chairman

Agenda

- Envision IT Overview
- Search Overview
- Search User Experience
- Content Search Web Part
- Cross-Site Publishing
- Topic Pages
- Wrap-Up and Q&A

envision IT

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, collaboration portals, and Extranets.

Microsoft Partner
Gold Digital Marketing
Gold Portals and Collaboration
Silver Content Management
Silver Search
Silver Independent Software Vendor (ISV)

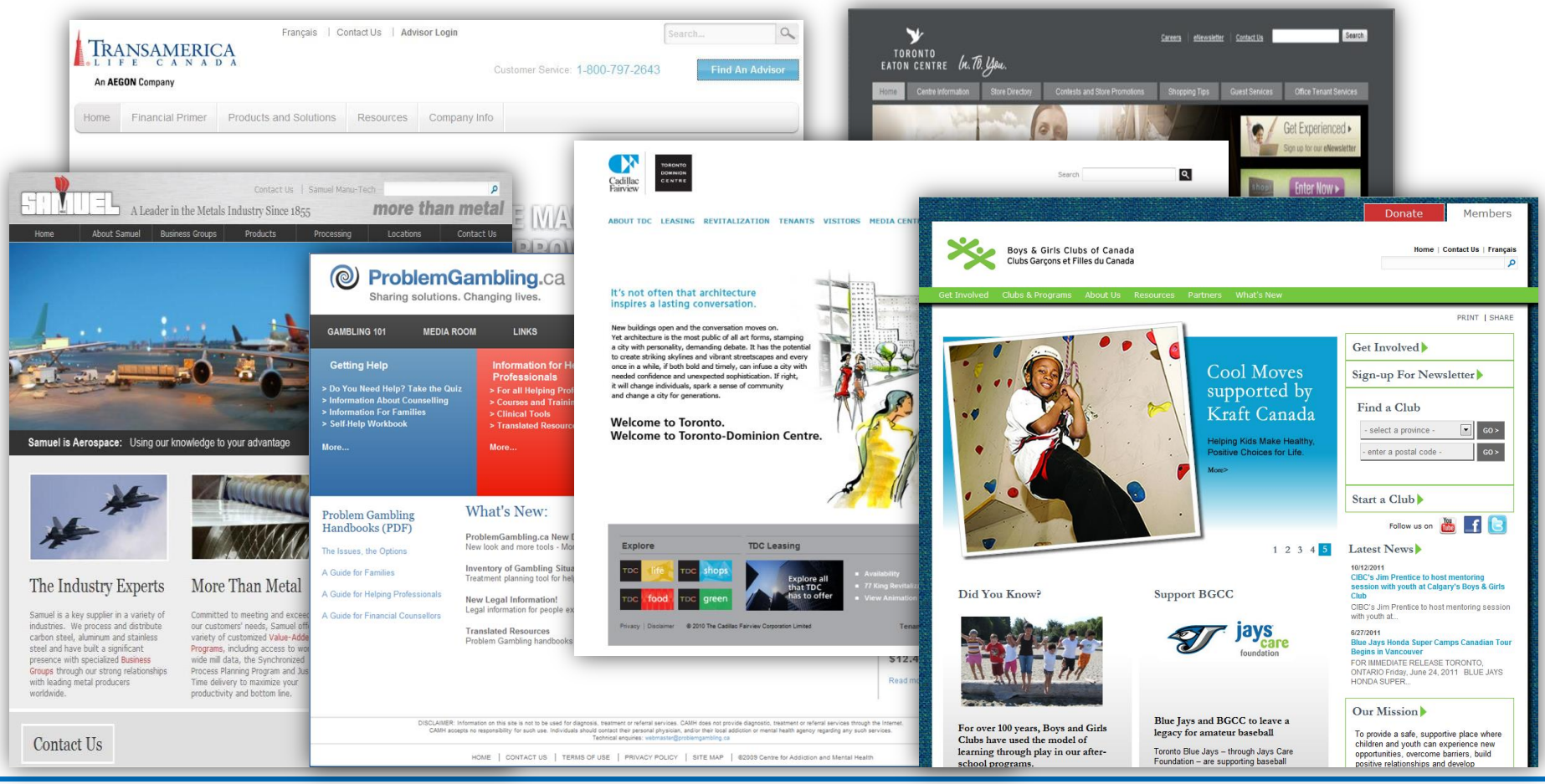
2010 IMPACT AWARDS WINNER

CANADIAN IT SECURITY AWARDS WINNER

CDN CHANNEL ELITE AWARDS 2009 SILVER WINNER BEST GREEN SOLUTION

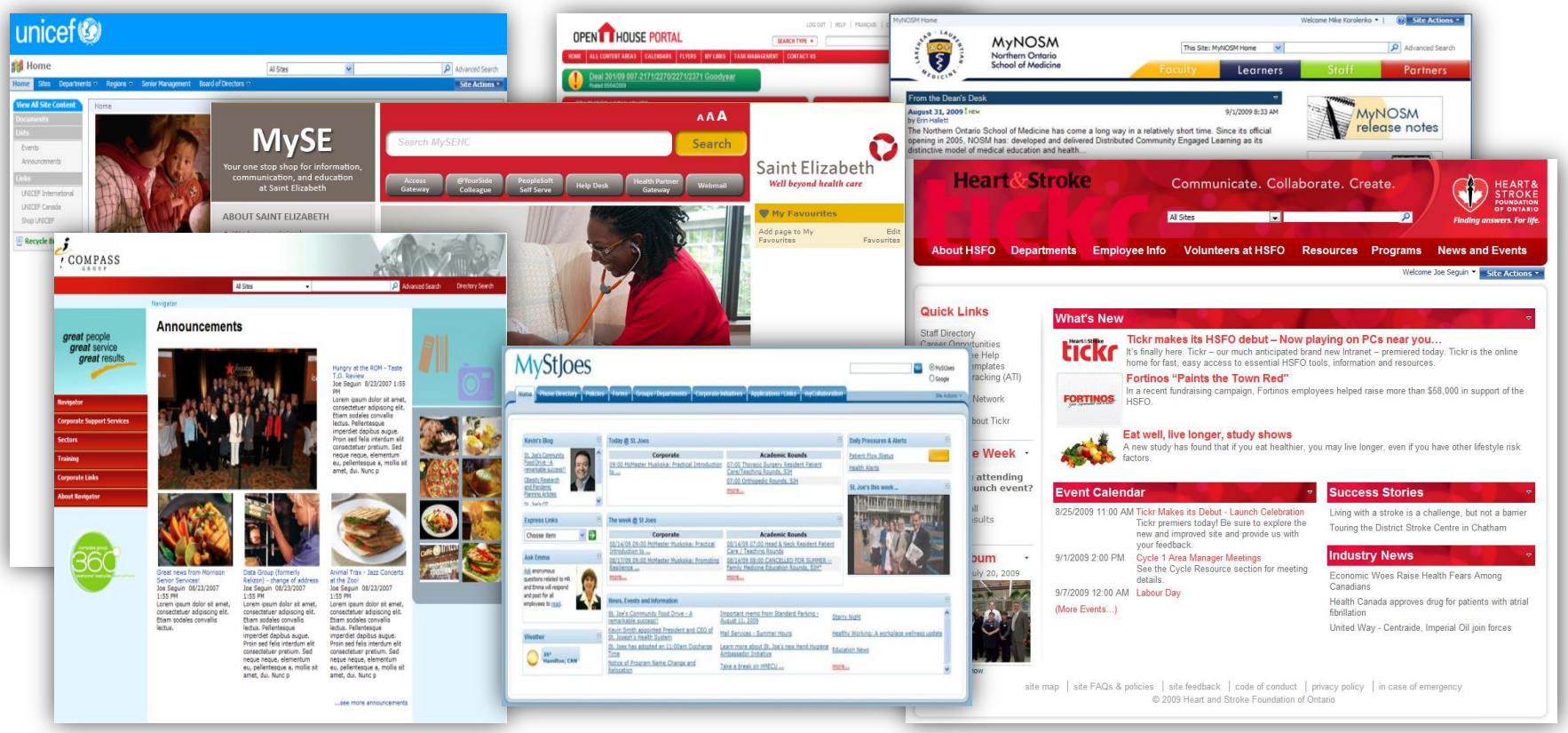
Public Web Sites

We create interactive, content-rich customer-facing web sites that are able to grow and transform with changing needs



Intranets

Our Intranet Sites connect people to information, expertise and key business applications, and SharePoint provides a broad set of Enterprise Content Management features

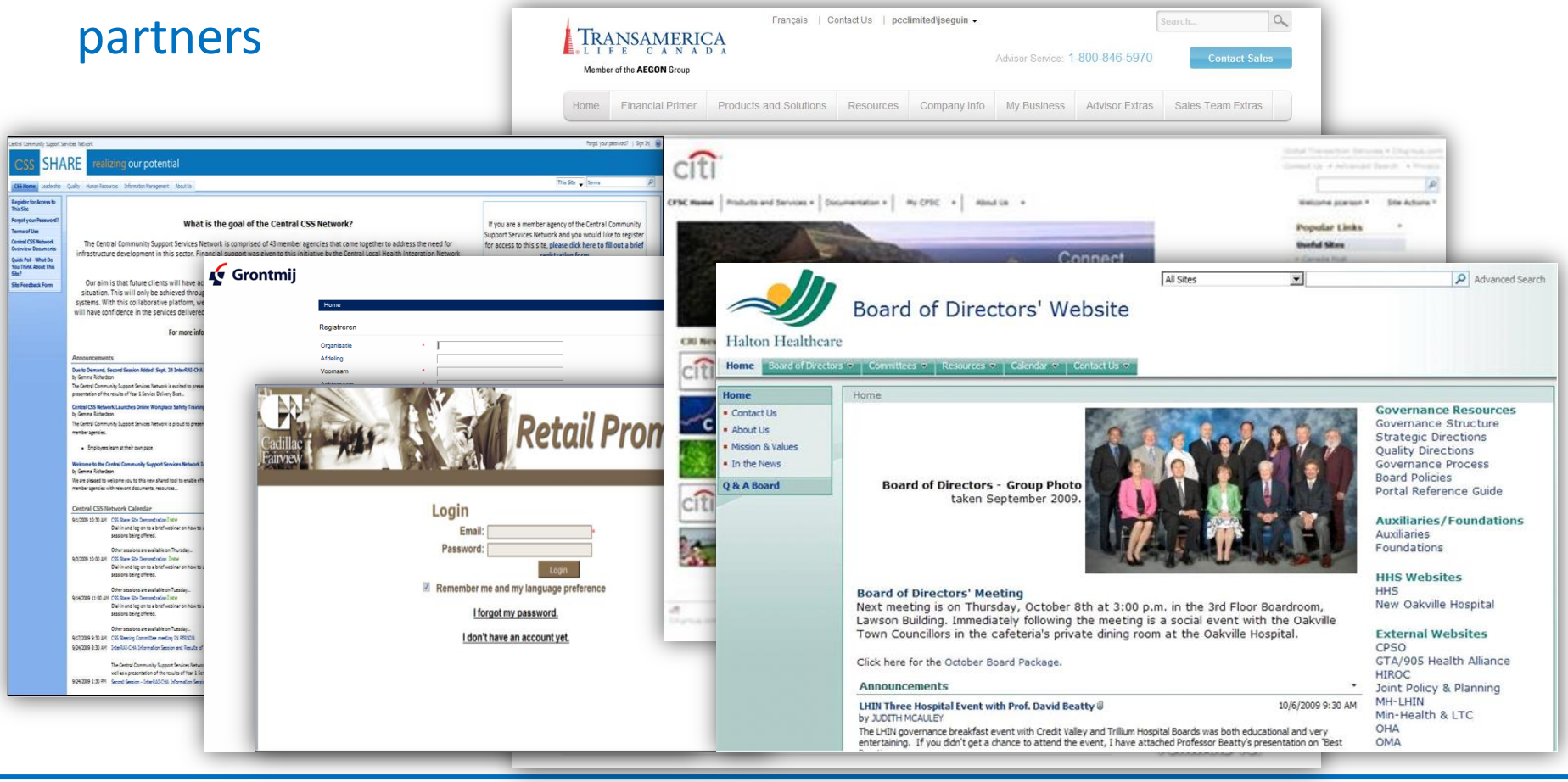


Collaboration Portals

Our Collaboration Portals provide a secure space for teams to share knowledge and resources

Extranets

Envision IT has a wealth of experience building Corporate Extranets that allow you to securely connect with customers and partners



Products

Envision IT
ExtranetUserManager
for SharePoint

Envision IT
DigitalMarketingSuite
for SharePoint

Envision IT
VideoPlayer
for SharePoint

Envision IT
ImageRotator
for SharePoint

Envision IT
PhotoViewer
for SharePoint

Envision IT
Custom404
for SharePoint

Microsoft SharePoint

Poll 1

Which Version of SharePoint are you currently using?

- SharePoint Server 2010 78%
- Microsoft Office SharePoint Server 2007 14%
- Windows SharePoint Services 3 5%
- I'm not sure 3%
- SharePoint Foundation 2010 1%

Introduction

- Search is new and different from all previous versions of SharePoint
- The platform has been consolidated
  - Built on a combination of FAST Search and SharePoint Search components, as well as new development work – it is the same from Foundation to Server
  - Foundation Search is intended to replace WSS Search, Microsoft Search Server and Search Server Express from previous versions of SharePoint
- It's used pervasively throughout the product now in many different ways, in different features
  - eDiscovery, navigation, topic pages, Internet facing business sites, etc.

Search in SharePoint 2010

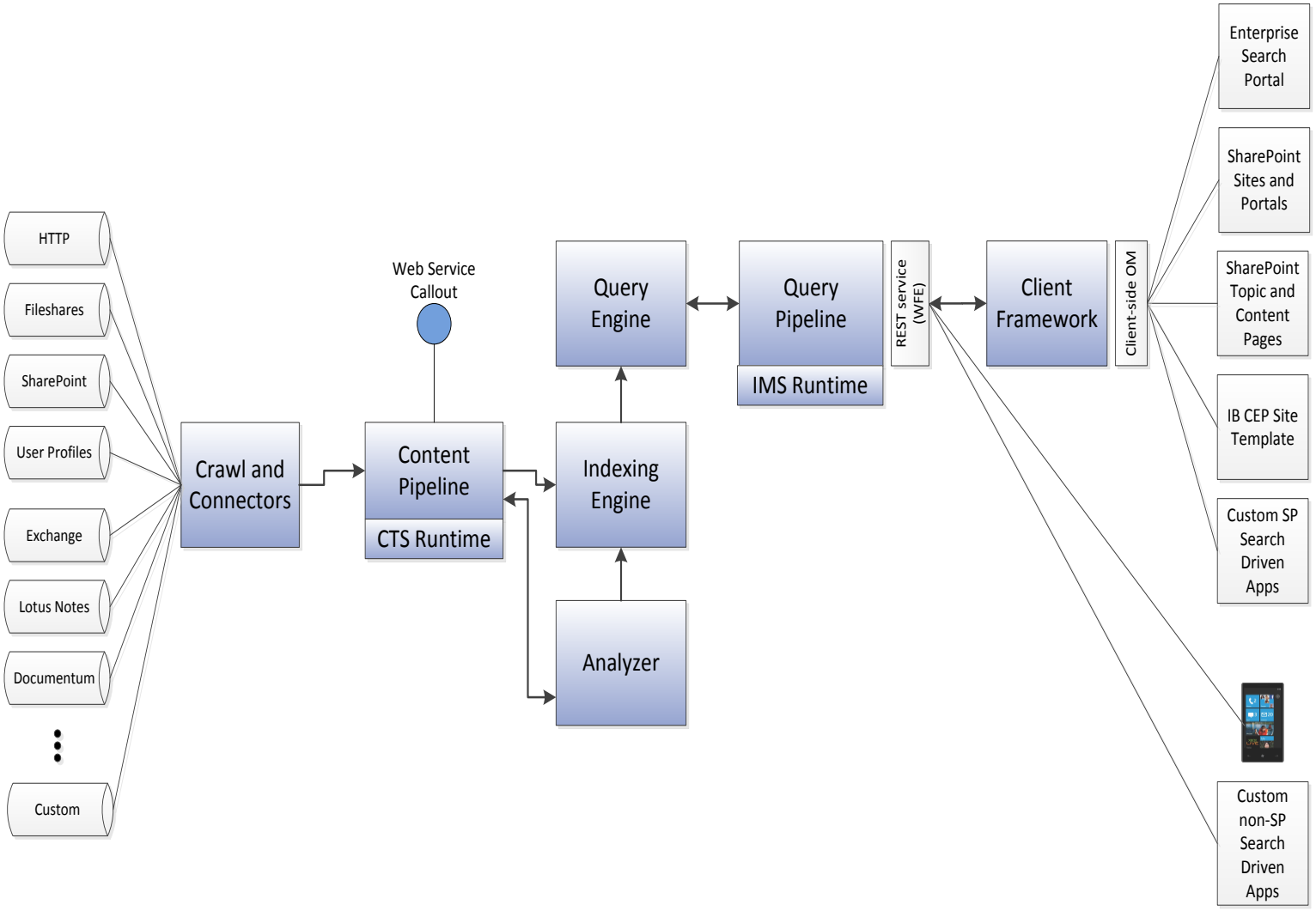
	SharePoint Search	FAST Search
Focus	Enterprise search	Search application platform
Strengths	Ease of deployment, low TCO	Scale, Extensibility
Limitations	Limited extensibility	Complex deployment, maintenance
Products	SharePoint Foundation, SharePoint Server, Search Server	FAST Search for SharePoint, FAST Search for Internet Sites

Search in SharePoint 2013

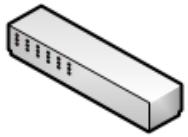
- Single Extensible Platform
  - FAST Engine
  - SharePoint Crawler
  - Best of both!
- Same Search Platform in both SharePoint and Exchange

Search Architecture

Search Architecture



SharePoint 2013 Architecture



Network Load Balancer

SharePoint Web Front Ends

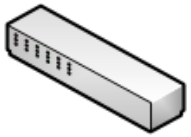
Office Web Apps Servers

SharePoint Application Servers

Active Directory

Clustered or Always On
SQL Server

SharePoint 2013 Architecture



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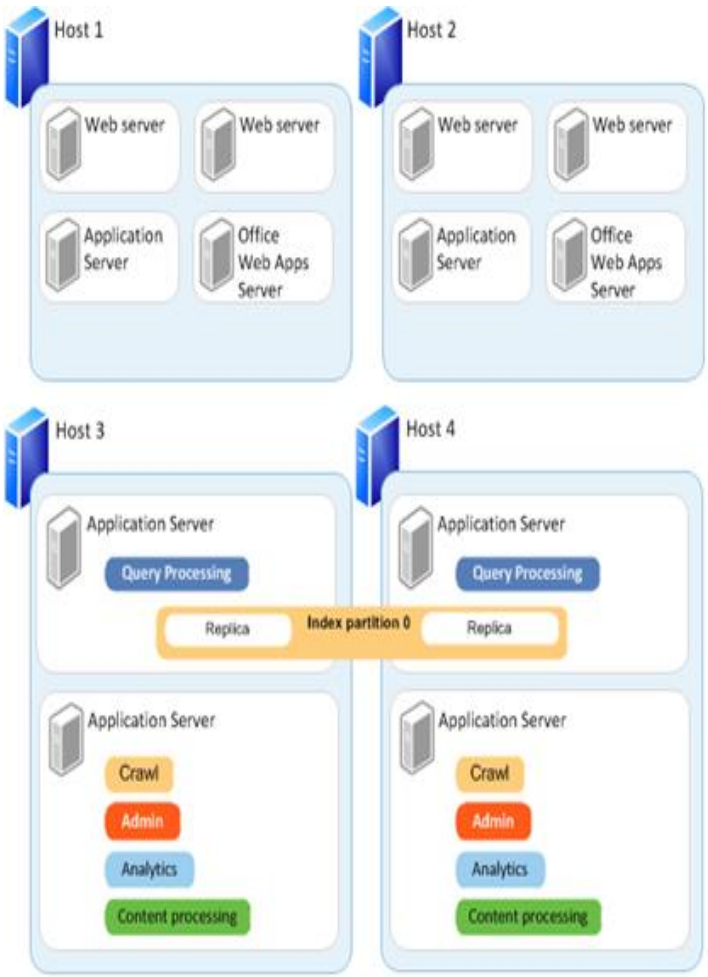
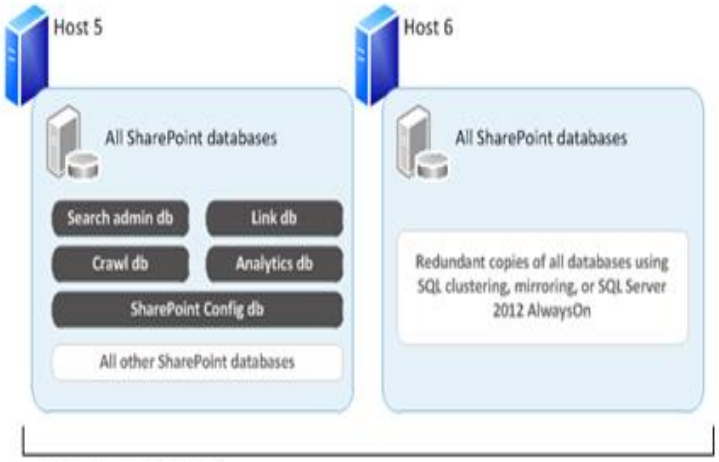
Small Example



Target: 10 Million Items



- Index
- Query
- Crawl
- Content Processing
- Analytics
- Admin

Poll 2

What do you use for Search today?

- SharePoint Server 2010 Search 70%
- Other or don’t have search 18%
- FAST Search 10%
- Search Server 2010 Express 1%
- SharePoint Foundation 2010 Search

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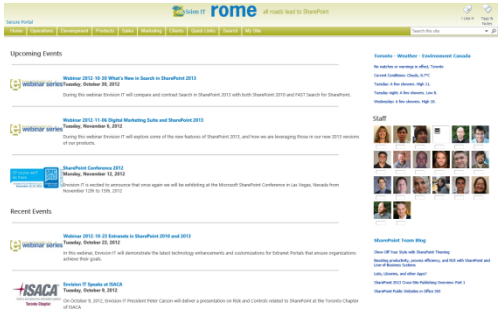
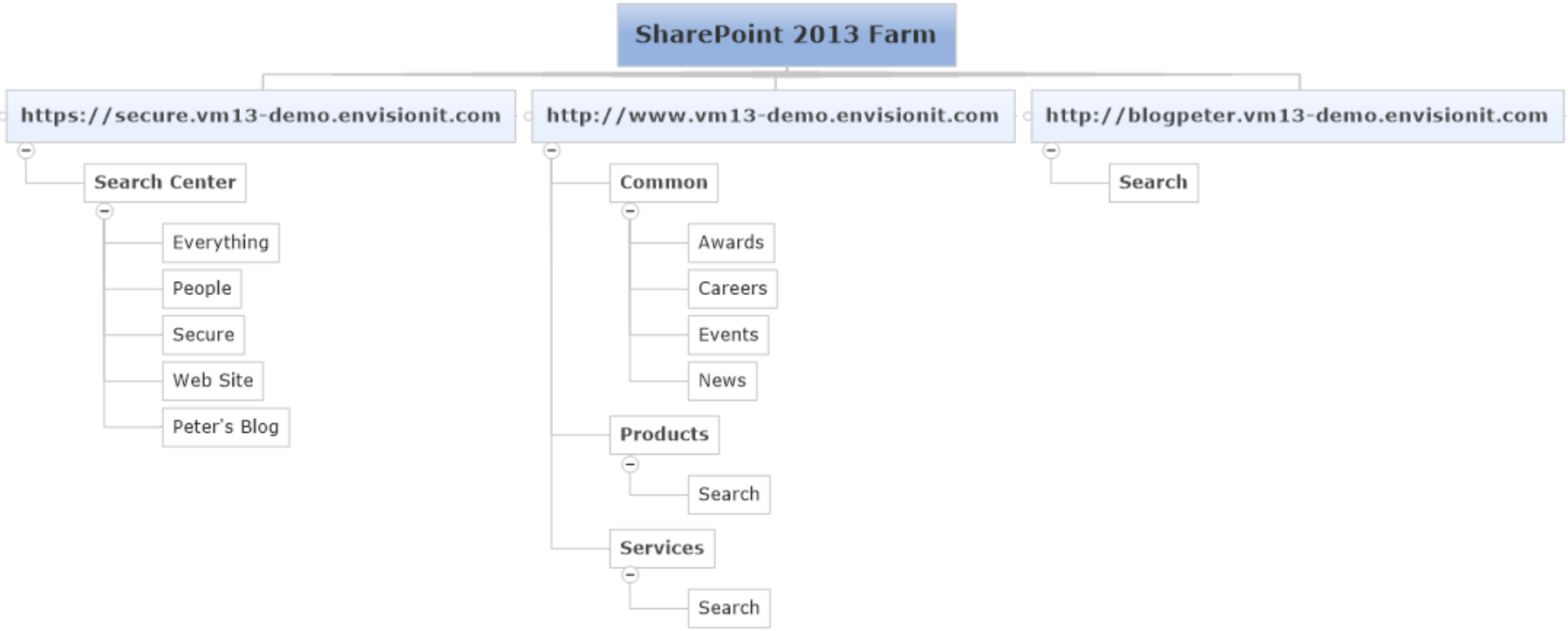
Search Scenario

SharePoint 2013 Farm

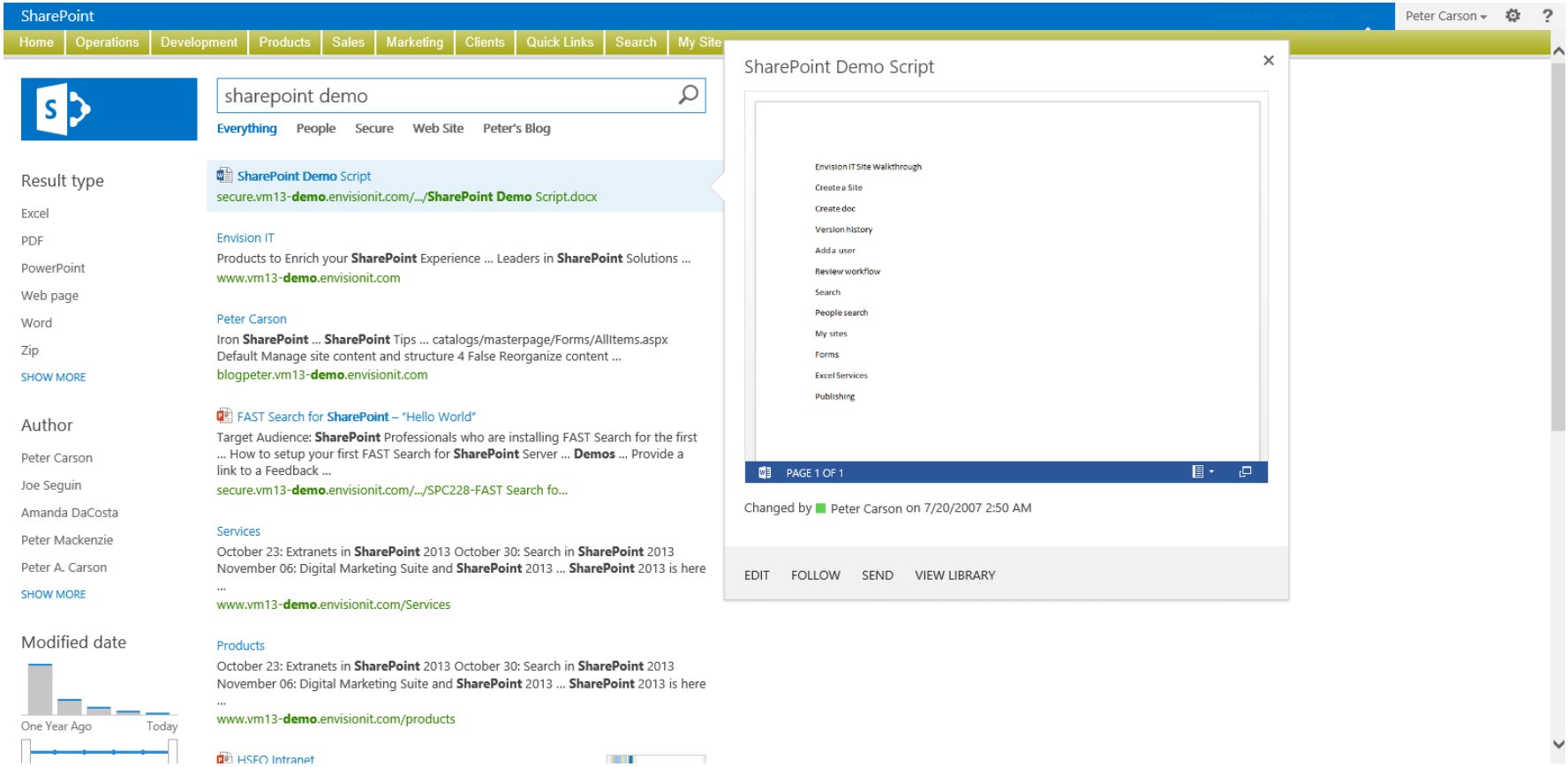
- https://secure.vm13-demo.envisionit.com
- http://www.vm13-demo.envisionit.com
- http://blogpeter.vm13-demo.envisionit.com



Search Implementation



Secure Search



www Search

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Peter

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Result type

PDF

SharePoint Site

Web page

Zip

Modified date

One Year Ago — Today

All

extranet

Relevance

Products
Public Web Sites Intranets **Extranets** Board of Directors Portal SharePoint … October 23: **Extranets** in SharePoint 2013 October 30: Search in SharePoint 2013 …
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Services
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30 views

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OPEN FOLLOW SEND

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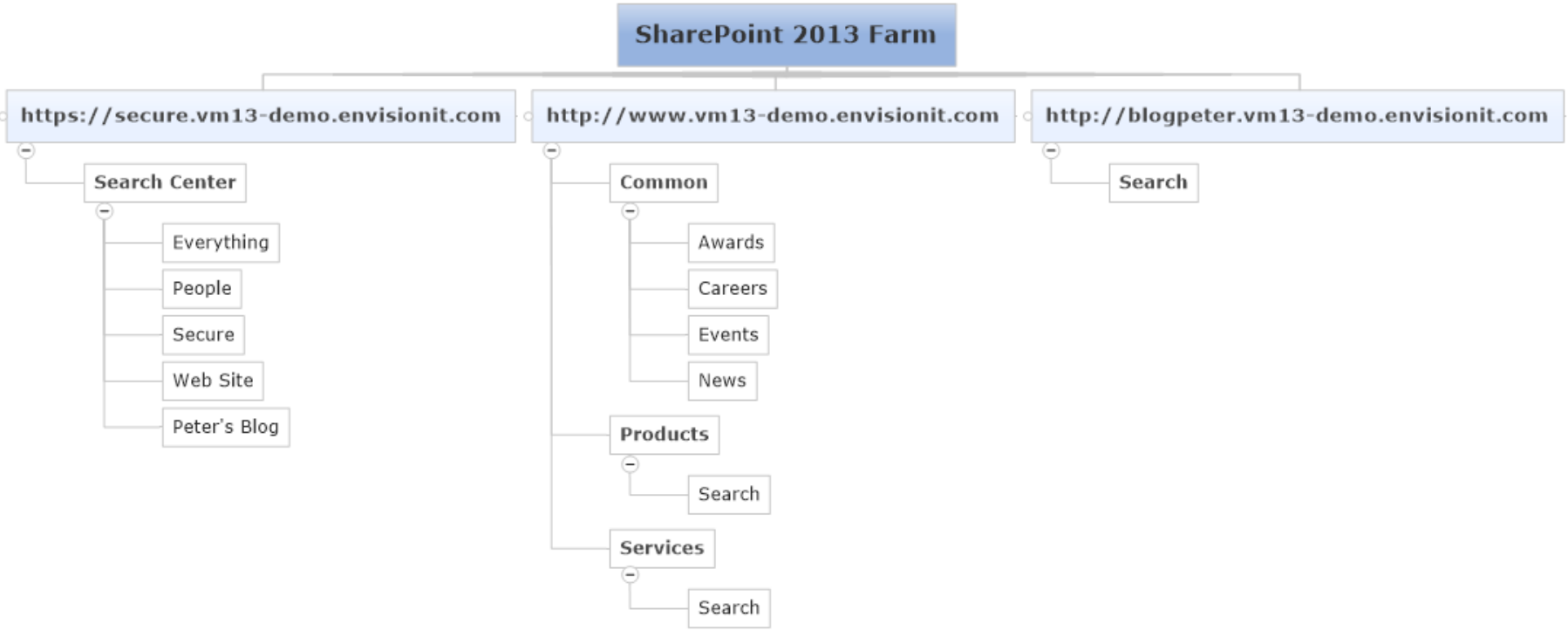
Search Implementation



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Upcoming Events

There's lots happening this Fall, and Envision IT is excited to be hosting and attending a number of SharePoint events in the coming weeks. Our developers and consultants are busy ramping up on SharePoint 2013, and we would love to meet with you and share some of the solutions we have been working on.

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webinar series

Webinar 2012-10-30 What's New in Search in SharePoint 2013

Tuesday, October 30, 2012

During this webinar Envision IT will compare and contrast Search in SharePoint 2013 with both SharePoint 2010 and FAST Search for SharePoint.

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Tuesday, November 6, 2012

During this webinar Envision IT will explore some of the new features of SharePoint 2013, and how we are leveraging those in our new 2013 versions of our products.

Of course we'll be there. SPC 2012 EXHIBITOR sharepointconference.com November 12-15, 2012 share more do more

SharePoint Conference 2012

Monday, November 12, 2012

Envision IT is excited to announce that once again we will be exhibiting at the Microsoft SharePoint Conference in Las Vegas, Nevada from November 12th to 15th, 2012

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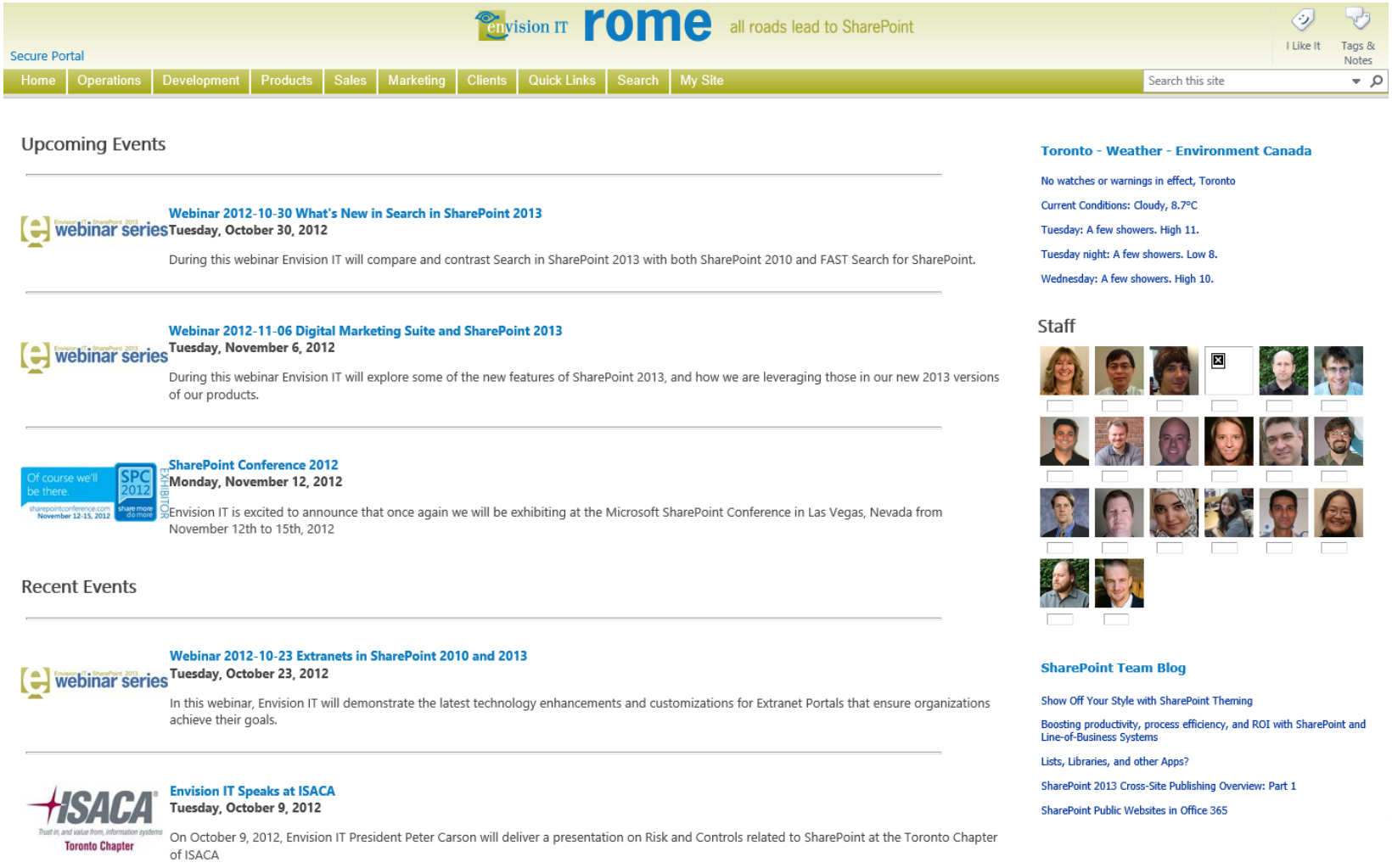

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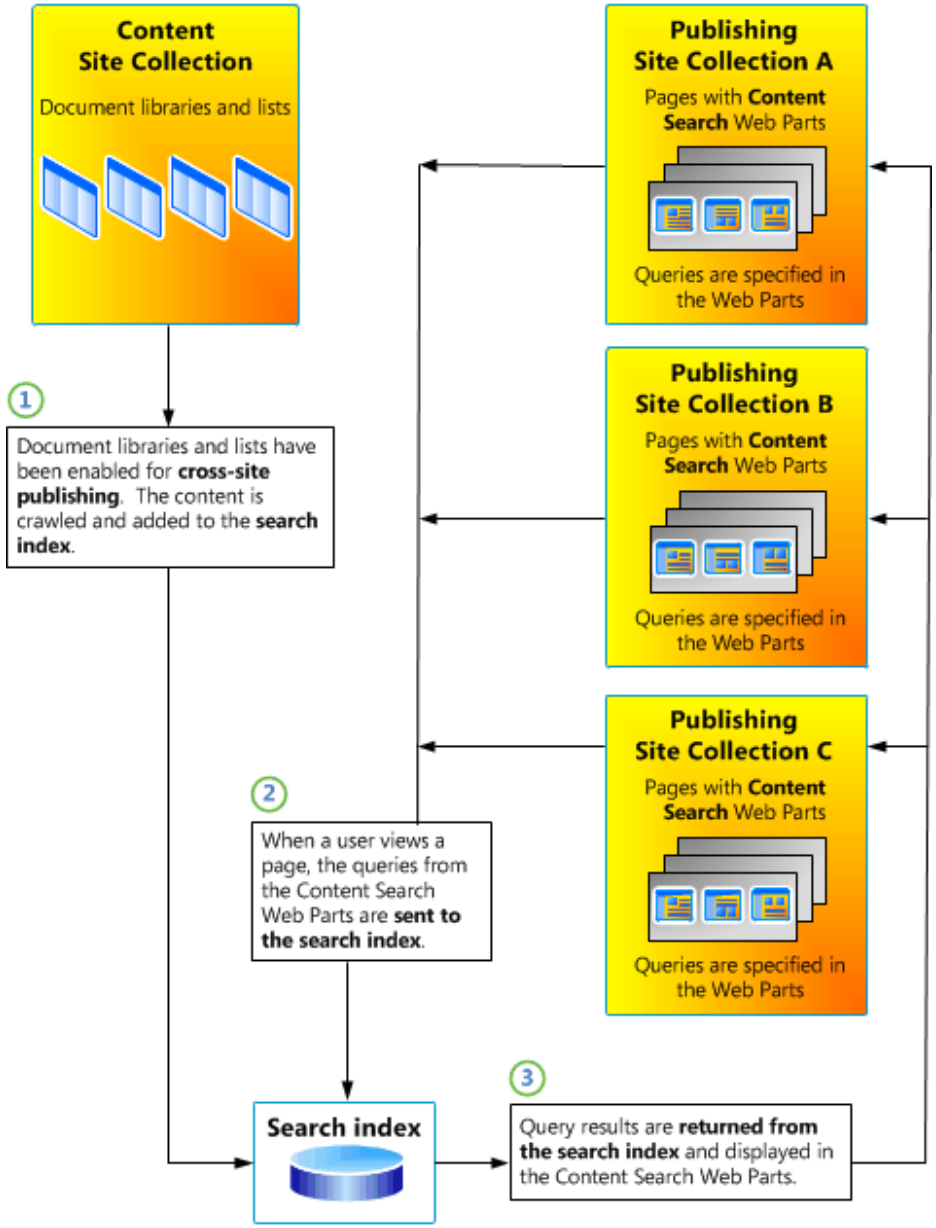
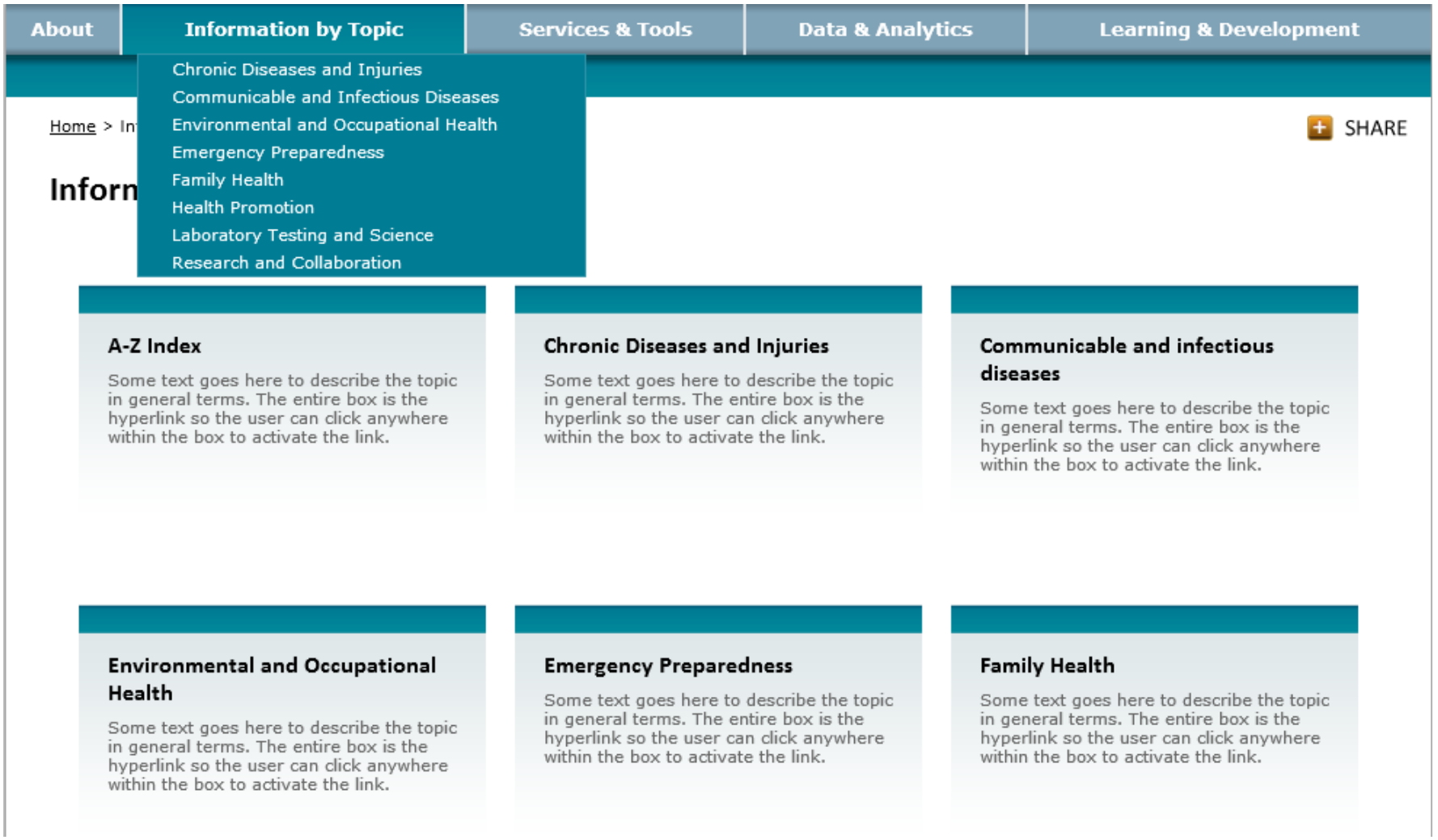
Cross-Site Publishing

- Reuse content between Intranet and public web site
- Can be surfaced through the Content Search Web Part
- Catalogs can surface lists into publishing sites
- Topic pages can customize landing pages and provide SEO-friendly URLs


Content Site Collection
Document libraries and lists
1
Document libraries and lists have been enabled for cross-site publishing. The content is crawled and added to the search index.
Publishing Site Collection A
Pages with Content Search Web Parts
Queries are specified in the Web Parts
Publishing Site Collection B
Pages with Content Search Web Parts
Queries are specified in the Web Parts
Publishing Site Collection C
Pages with Content Search Web Parts
Queries are specified in the Web Parts
2
When a user views a page, the queries from the Content Search Web Parts are sent to the search index.
Search index
3
Query results are returned from the search index and displayed in the Content Search Web Parts.

Topic Pages

- Shows all items that match a topic
- Could be hundreds of virtual pages
- Only one template page
- Easily customizable and SEO friendly (each topic appears to be its own page)
- Content by search web part open search against a query or result source
- May be able to surface the topic pages themselves as site search results


About
Information by Topic
Services & Tools
Data & Analytics
Learning & Development
Chronic Diseases and Injuries
Communicable and Infectious Diseases
Environmental and Occupational Health
Emergency Preparedness
Family Health
Health Promotion
Laboratory Testing and Science
Research and Collaboration
Home > In
SHARE
Inforn
A-Z Index
Some text goes here to describe the topic in general terms. The entire box is the hyperlink so the user can click anywhere within the box to activate the link.
Chronic Diseases and Injuries
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Communicable and infectious diseases
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Environmental and Occupational Health
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Emergency Preparedness
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Family Health
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A-Z Index of Topics

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

I

Immunization
Income and income distribution
Indoor
Infant health
Infection control core competencies
Infection prevention and control
Influenza
Injury prevention
Instrument reprocessing
Intentional injuries

Influenza

Narrow your results

1-10 of 11 results

Ontario **Influenza** Bulletin

Reports for the 2012-13 season ... and conditions:Infectious diseases:**Influenza**Diseases and conditions:Infectious diseases:**Influenza**:**Influenza**-like illnessEpidemiology and Surveillance ...

30/08/2012

Influenza Vaccine Effectiveness Study

VE) Study started as a pilot program in BC in 2004 to monitor annual **influenza** circulation and VE against lab confirmed **influenza**. Ontario joined this initiative in 2008 ...

29/03/2012

Lunch and Learn: **Influenza**: Antivirals, Reassortments and Laboratory Testing

Group of The Ontario Health Plan for an **Influenza** Pandemic and is a member of the Pandemic **Influenza** Laboratory Preparedness Network, Canadian Public Health ... Stay up-to-date on upcoming ...

28/03/2012

Surveillance Services

2011-2012 Ontario **Influenza** Bulletins ... diseasesCommunicable and Infectious diseases:**Influenza**Laboratory Testing and Sciences ... Ontario **Influenza** Bulletin ...

29/10/2012

Laboratories surveillance updates

Reports click on the year below. Click here for 2011-12 Ontario **Influenza** Bulletins and Maps ... Health Ontario Laboratories in Ontario for **influenza** and other viral respiratory pathogens. ...

30/08/2012

Featured

Ontario **Influenza** Bulletin

30/08/2012

Learning & Development

Influenza Vaccine Effectiveness Study

29/03/2012

Lunch and Learn: **Influenza**: Antivirals, Reassortments and Laboratory Testing

28/03/2012

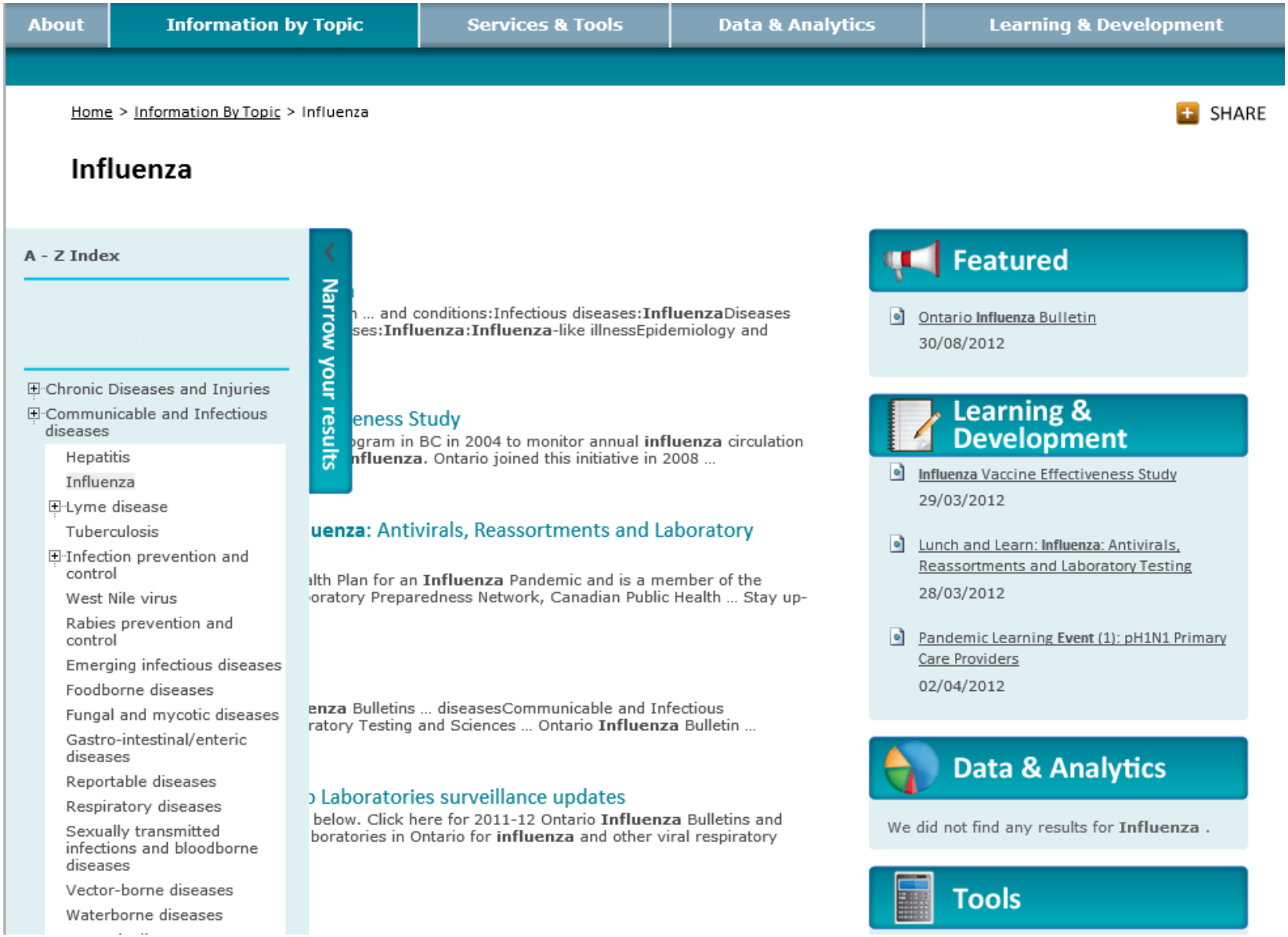
Pandemic Learning **Event** (1): pH1N1 Primary Care Providers

02/04/2012

Data & Analytics

We did not find any results for **Influenza** .

Tools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Chronic Diseases and Injuries
Communicable and Infectious diseases
Hepatitis
Influenza
Lyme disease
Tuberculosis
Infection prevention and control
West Nile virus
Rabies prevention and control
Emerging infectious diseases
Foodborne diseases
Fungal and mycotic diseases
Gastro-intestinal/enteric diseases
Reportable diseases
Respiratory diseases
Sexually transmitted infections and bloodborne diseases
Vector-borne diseases
Waterborne diseases
Narrow your results
... and conditions:Infectious diseases:Influenza Diseases
ses:Influenza:Influenza-like illnessEpidemiology and
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o Laboratories surveillance updates
below. Click here for 2011-12 Ontario Influenza Bulletins and
boratories in Ontario for influenza and other viral respiratory
Featured
Ontario Influenza Bulletin
30/08/2012
Learning & Development
Influenza Vaccine Effectiveness Study
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Lunch and Learn: Influenza: Antivirals, Reassortments and Laboratory Testing
28/03/2012
Pandemic Learning Event (1): pH1N1 Primary Care Providers
02/04/2012
Data & Analytics
We did not find any results for Influenza .
Tools

2010 Topic Page

- Not possible to do a Zero Term Search with no keywords
- Results formatting difficult in XSLT
- We are using up to the max of 5 queries on the Topic results page.
  - When we have more than 5 buckets, we have to pick two or more buckets to use the same query
  - Use XSLT filtering rules to separate the results
  - Each query in the search core results web part can only return up to 50 results per page
  - We can only apply the XSLT trick to the 50 results
- Refiners and Search Statistic web parts only provide approximate counts

FAST Topic Page

- Zero Term Search possible with some customization
  - Same problem as in SP 2010 if we stick with using the search web parts in FAST
- Thumbnail for Words and PowerPoint
- Preview for PowerPoint
- Refiner provide exact count

2013 Topic Page

- Zero Term Search easily accomplished
- Enhanced Keyword Query Language (KQL) makes building the searches easy
- KQL is much improved in SP 2013
- Replaces FAST Query Language (FQL) going forward
- FQL is still there in the product but deprecated.
- Each web part is its own query
- Results returned as JSON with JavaScript rendering
- Can create HTML/JS based display templates based on the result type
  - Render video results different from web page, different form task, etc…
  - Not more XSLT pain
- Full Office Web Applications preview integration

SEO Enhancements

- Friendly URLs
- Home page redirects
- XML sitemaps automatically generated and updated
- Custom SEO properties
  - Browser title
  - Meta tags

Usage Analytics

- Built for scale from the ground up
  - Detail data rolled up every 15 days & anonymized
  - Daily events purged every 15 days; monthly events after 3 years
  - Lifetime counts always retained
- Counts views & unique items/day
  - Shows recent (2-weeks) and lifetime count
  - Trims least visited content
  - Pushes aggregate data to reporting database
- Drives recommendations capabilities on content
  - Calculations injected into search index as sortable managed properties
  - Deep integration with search engine
  - Can influence search relevance based on content usage
- Includes preconfigured CBS Web Part – “Top Pages”

Poll 3

When would you like us to follow up?

- Immediately
- In a month
- In two months

Upcoming Sessions

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November 06, 2012

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Webinar 2012-11-29 SharePoint FIS on Azure
November 29, 2012

Join Envision IT and Microsoft on November 29, 2012 for a Webcast on SharePoint FIS on Windows Azure and learn how you can rapidly deploy websites on a secure, scalable cloud infrastructure

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SharePoint Saturday Ottawa
December 01, 2012

Envision IT is excited to announce that that our President Peter Carson, will be speaking at SharePoint Saturday Ottawa on December 1, 2012. SharePoint Saturday Ottawa is FREE, open to the public and is your chance to immerse yourself in SharePoint!

See all our upcoming and past events at www.envisionit.com/Events

Win a Microsoft Surface

Come by our booth (569) at SharePoint Conference in Las Vegas Nov 12-15.

Have us scan your badge for a chance to win a Microsoft Surface.

Products

Envision IT
ExtranetUserManager
for SharePoint

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DigitalMarketingSuite
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Envision IT
VideoPlayer
for SharePoint

Envision IT
ImageRotator
for SharePoint

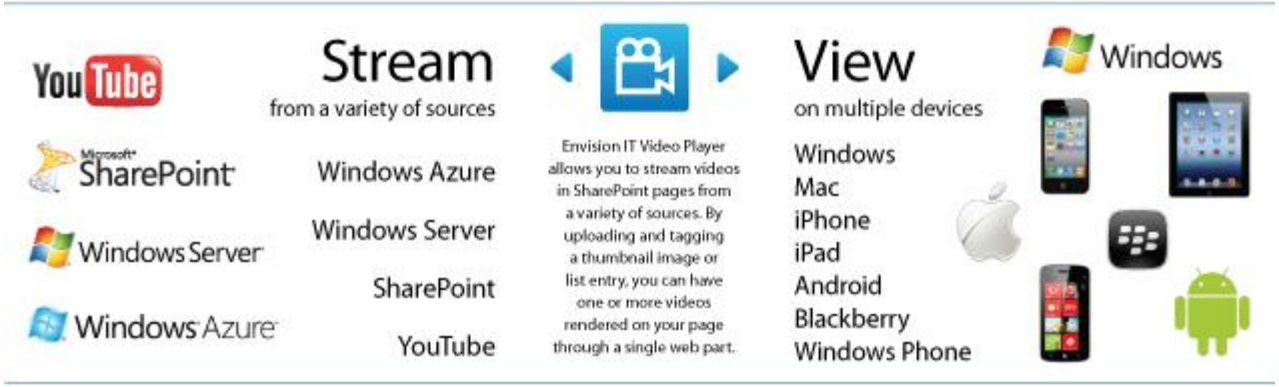
Envision IT
PhotoViewer
for SharePoint

Envision IT
Custom404
for SharePoint

Envision IT

VideoPlayer for SharePoint

- Stream video smoothly from a variety of sources
- Simplifies embedding videos in SharePoint web content

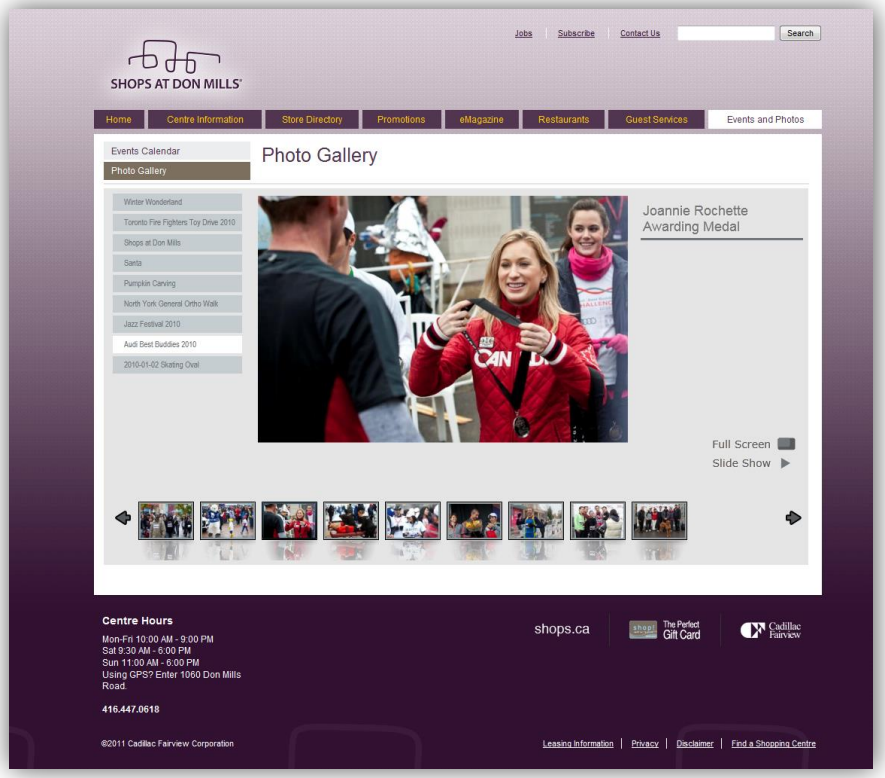


Envision IT

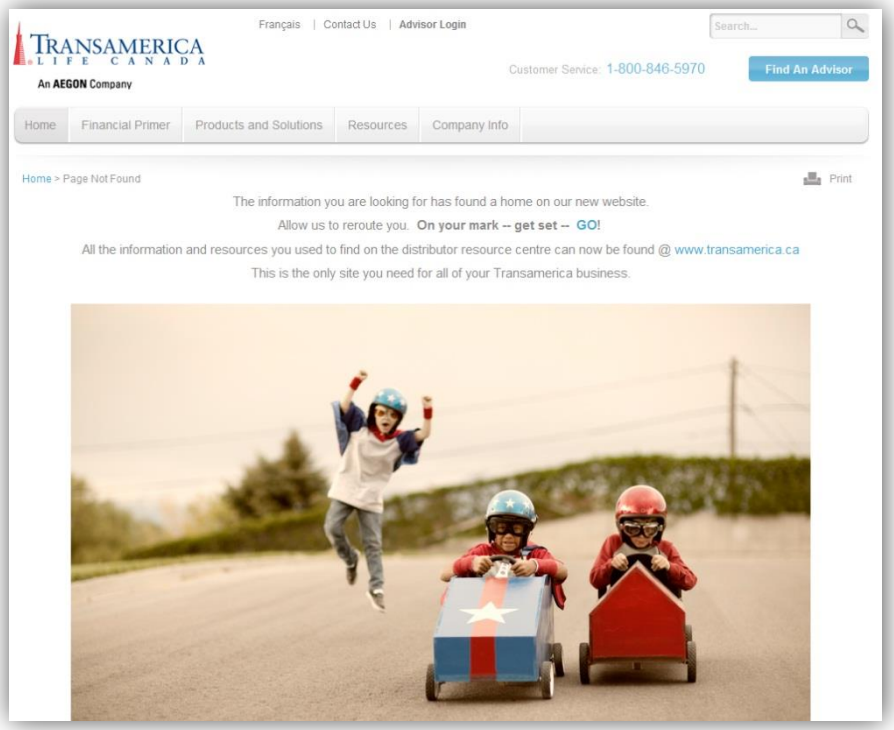
ImageRotator for SharePoint

- Web part to support rotating banners
- Supported on iPad and mobile devices
- Easy for content authors to update

- Rich display of photographs on a web page
- Easy for content authors to update



- Eliminate ugly page not found errors
- Make sure external links still work on your new site



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- LinkedIn: http://ca.linkedin.com/in/robkarimi
- Envision IT on LinkedIn: http://www.linkedin.com/company/envision-it-inc
- Active member of Toronto SharePoint User Group

Questions?