Using Microsoft PivotViewer to Make Sense of the Chaos

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October 18, 2010
Introducing PivotViewer

PivotViewer is fundamentally about:
  o Visualizing collections of objects
  o Revealing hidden patterns within data
  o Acting on discovered insights

PivotViewer allows us to visualize the data that we use to measure quality

PivotViewer uses existing web technologies

We think that PivotViewer is a way to deeply understand information and enable better decisions
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Silverlight Control
DeepZoom
XML Schema
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Tools and Resources
for you to build upon

Ritchie Hughes
Software Development Engineer in Test II
Microsoft
What makes a Collection?

Request as HTTP GET

Response as XML and images

Web Server

Static File Server

DZC

CXML

DZI

DZI

DZI

DZI

DZI

DZI

DZI

DZI
Defining a Collection
Simple Static Collections

- Up to **5,000** items
- Metadata is **static** and loaded all at **once**
- Visuals are **static** and contained in **one** DZC
- Examples:
  - Dog breeds
  - Sport Illustrated covers

Collection is stored as static files and a single logical unit
Dynamic Server Collections

- **Unbounded** in size
- Metadata is **dynamic** and loaded in **parts**
- Visuals are partially **dynamic** and contained in **dynamic** DZCs
Available Tools

• Website creation
  – PivotViewer Silverlight control
• Static collection creation
  – Excel Plug-in
  – Command-line Tool
• Dynamic collection creation
  – Just-In-Time server sample
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Excel Plug-in

- Columns for item name, description, href
- Additional column map to custom facets
- Images are referenced directly
Available Tools

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• Static collection creation
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    – Command-line Tool

• Dynamic collection creation
  – Just-In-Time server sample
Command-line tool

- Suitable for deploying in a server environment
- Data sources include Excel, CSV and existing collections
- Images can be created using HTML templates
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• Dynamic collection creation
  – Just-In-Time server sample
Just-in-Time Collection Server

• Host in the cloud or inside the enterprise.
• Best option for massive or fast-changing data sources.
• Generates CXML, DZC and image tiles at request time.
• Create your own data-sources…
  – SQL, XML, OData, web APIs…
Just-in-Time Collection Server
Demo
Q&A

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Appendix A

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