

IBM > S&D > ibm.com > UED

There is a story behind every link Tales of information architecture from ibm.com

Keith Instone



What keeps me awake

- Ever wonder how a large corporate web site navigation system is designed, and how it evolves over time?
- How certain links find their way to the corporate home page, while other ones do not?
- How major changes in the corporation's business affect the web site navigation?
- And how the IA of the corporate web site can give clues about how well the business is doing?



Sample topics for stories

- The evolution of sitewide navigation categories like "solutions" and "services"
- Worldwide information architecture challenges
- The cultural shifts required to do something as (theoretically) simple as adding a "sign in" link to the masthead
- Tracking the evolution of a single web page as it signals fundamental shifts in how the business is operating "behind the scenes"
- The effect of selling off a key division of the company on the navigation system
- Balancing the strategic goals while handling day-to-day requests for changes to the navigation
- Techniques for dealing with executive home page link requests



A little out of practice

- MOCHI, March 2001
- BuckCHI, August 2001
- Puget Sound SIGCHI, September 2002
- CHIFOO, September 2002
- NEOUPA, September 2006



One thing I have learned over the years

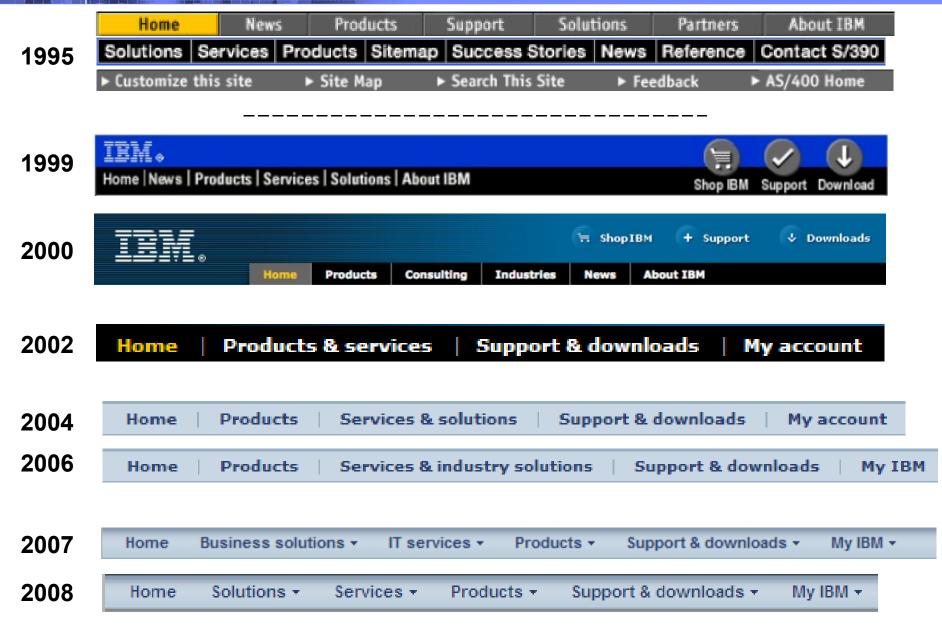
- The audience has better questions than I could ever think up to talk about myself
- My on-the-spot answers are just-as-good (if not better) than whatever I could have prepared ahead of time



Questions & topics from the audience (summary)

- Sign in / register, country location in the masthead today (logic for placement today, and in the future)
- Who owns what, how to manage the millions of pages
- Solutions, services, products and corporate strategy over the years
- Masthead sign in challenges and compromises
- My IBM: use as anonymous user, gateway to various applications
- Who does the 3 prongs of user feedback: User research studies, analytics, qualitative user feedback
- Search challenges: technology/budget, tagging, UI (easiest of the 3)
- User-generated content (silos likely initially, integrated over time)
- Accessibility challenges overall, why the link in the footer
- Role based navigation (home page Learn about tab), task based navigation
- Standards for page design ("what we offer" module as an example)
- Content management, sharing, the "4th tab owners" of a solution page
- Tactical, medium-term, long-term planning for changes (add 1 link now, work with groups for better tactical changes later, save some things for a big, strategic redesign)







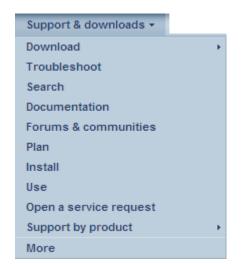
Current (US) high level IA

- Masthead categories
- Category rollovers
- Category pages
- Home page tabs
- Footer categories



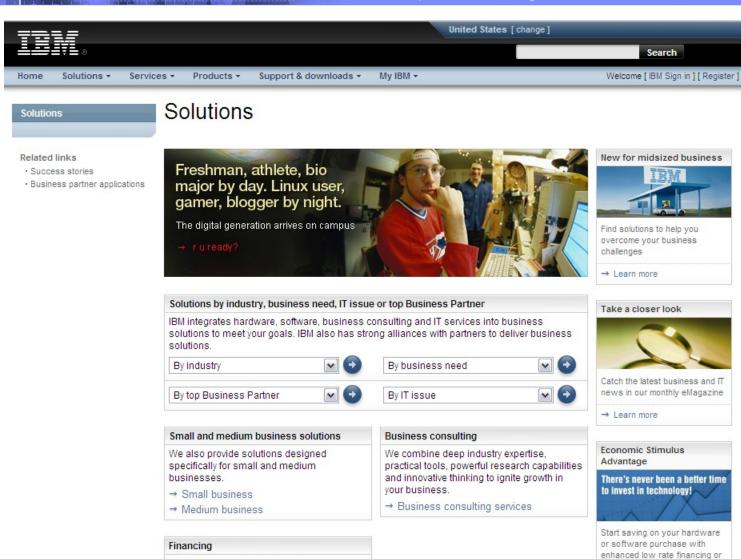












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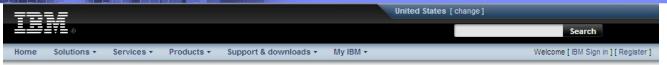
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- · Communities

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- BladeCenter
- Cluster systems
- · Intel-processor based servers
- Linux servers
- · Mainframe servers
- · Power Systems
- System i (iSeries)
- UNIX servers
- · x86 servers for Windows and Linux
- Systems and servers A-Z
- Systems & servers by brand:

Select one



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Printing paper and toner (from IBM)

Software

- · By business need
- · By category
- · A to Z
- · By keyword search
- Software by brand

Select one



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· Disk systems

- Hard drives/microdrives
- · Network attached storage
- Storage area networks
- Storage software
- · Tape systems
- Storage A-Z

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Products for medium business

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- · IntelliStation POWER
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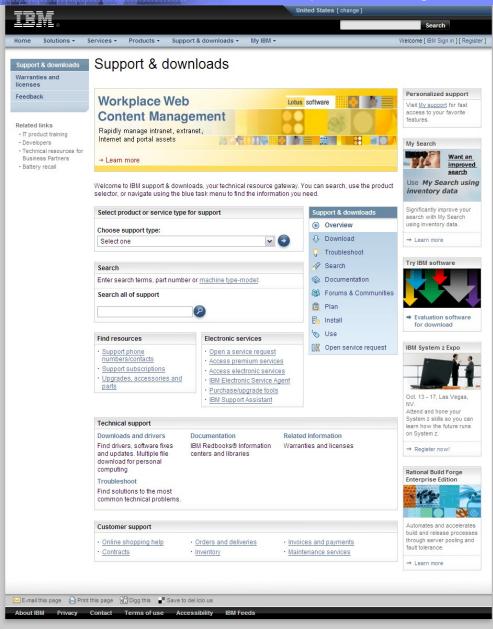


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My IBM

My accounts

My interests

My profile

Related links

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- Stockholder services

My IBM



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 Streamline doing business with IBM.
- My interests
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- My profile
 Access to your IBM profile and preferences

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- ⇒ Syndicated RSS feeds

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- · General warranty information
- · Contracts
- · Orders and delivery
- · Inventory and maintenance
- · Invoices and payments
- Self-service tools
- → More customer support

Technical support

- → My support
 - Manage links and information to meet your specific technical support needs.

Online purchases

→ Shopping cart

Shopping help and FAQ

- Access your individual shopping cart.
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Worldwide IA challenges

- Different business models in different parts of the world
 - Very different resource allocations
 - Distributed ownership
 - –Local and "headquarters" challenges
- Local content, linking to other locales
- "Worldwide" content (bottom) with no "worldwide IA" (top)
- Get a user's preferred locale
- Translations (of subtle terms)





- Partage d'idées sur les affaires au sommet en ligne «Innovation in Action» (en anglais)
- Étude mondiale de 2008 auprès des chefs de la direction : «L'entreprise de demain»
- Gouvernement fédéral canadien
- Enseignement maternelle-secondaire au Canada (en anglais)
- Cadres ▶
- Développeurs (en anglais)
- Partenaires IBM (en anglais)
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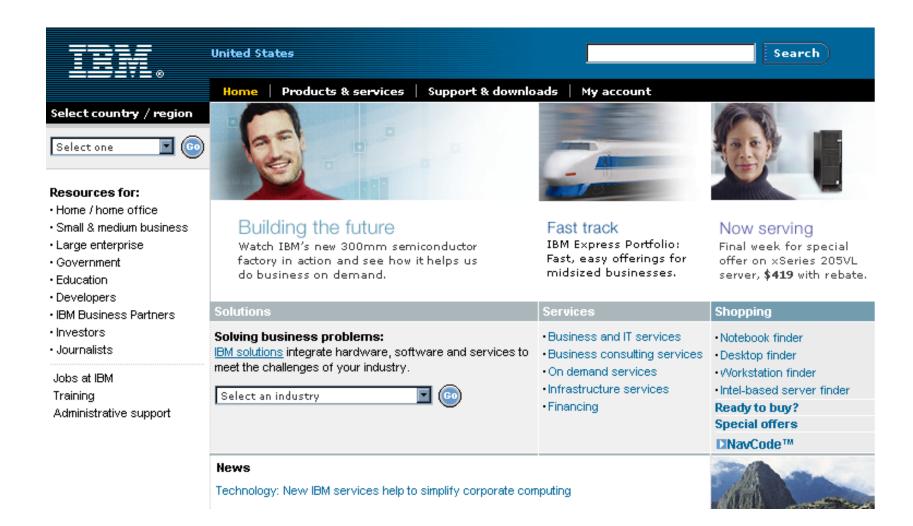


Business changes, IA changes

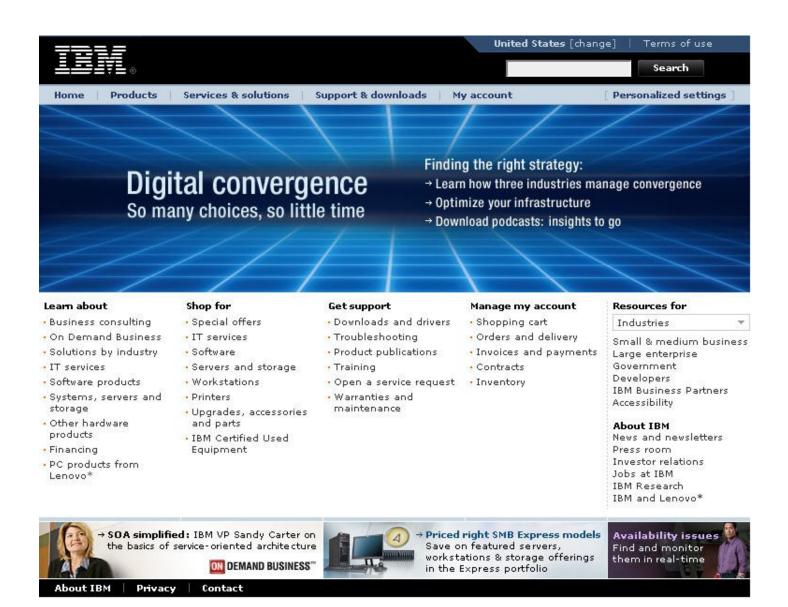
- US: Small & medium Business → Small business + Medium business → Express Advantage
- IBM Global Services → IBM Global Technology Services + IBM Global Business Services
 - Site used "consulting" before used internally
 - Site split IGS into "business" and "IT" before happened internally
- Systems....
- Personal computing → Lenovo
- Printing systems → InfoPrint (minus paper and toner)
- Solutions and services



Around 2002





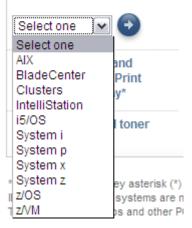




Products

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So you want a link on the home page?

- 1. Translate to "Improve access from high level information architecture"
 - Meetings to understand their users/tasks and pain points, their business/what they own/business challenges, US vs. global vs. Worldwide
 - "If I add a link to your section, who else within the company would come to me next and ask for a link right next to yours?"
- Document current high level paths
- Make list of IA improvements needed within their section (frame nicely)
- Make least-effort list of possibilities to improve access (the narrow view of the request)
- Document paths to related / overlapping content (expose warts)
 - Invite related groups to participate
- Make ideal-user-experience recommendations (ignoring some organizational realities)
 - Encourage everyone to submit ideas, and actually listen
 - Pro/con comparisons
- Educate on search optimization (internal & external), cross-links (HPs matter less and less)
- Possible outcomes (one or more of the following)
 - OK tactical fixes, within IA strategy
 - Acceptable tactical fix, not really within strategy, good enough for now
 - Months of clean-up on their end ("You have to earn the link")
 - Initiate a "strategic effort" e.g., groups work together for united destination
 - Defer to "the business" to hash things out when opposing business strategies are encountered
 - Never (so far): Escalation



"Secret" elements

- Teaching IA concepts all along the way
- Listen and LEARN
- Leave holes in the IA for expansion and changes
- Extended "internal" team that meets every week
- People like pictures
 - PowerPoint: Screen grabs, Red circles, Red arrows, Annotations
 - Lots of mock-ups of different ideas (even if bad ideas)
- Ask questions: why are things the way they are?
 - There is always 1 good reason
 - There are usually several bad reasons
 - -Let them reach their own conclusions ("You know what, Keith, we do not want a link after all...")
- "You listen, ask good questions and treat everyone equally"