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### Connected Life Market Watch Overcoming Privacy Concerns To Profit from Advanced Advertising

### **Cisco Internet Business Solutions Group (IBSG)** June 2010

Internet Business Solutions Group

### Three Constituencies Exert Influence on Future of Advertising and Privacy



### **Regulatory and Industry Positioning: Self-Regulation Is Dominant Theme**

#### Federal Trade Commission (FTC)



FEDERAL TRADE COMMISSION PROTECTING AMERICA'S CONSUMERS

- FTC proposes governing principles for behavioral advertising (Nov. 2007, Feb. 2009)
- Transparency / consumer control
- Reasonable security / limited data retention
- Affirmative express consent



**Service Providers** 

- Three of four largest U.S. SPs pledge to follow voluntary code of conduct (Sept. 2008)
- Prefer opt-in framework for all behavioral advertising
- Prefer self-regulation over new laws

#### Advertising Associations



- Four key advertising associations develop selfregulatory principles (Jan. 2009)
- Work together for enhanced self-regulatory principles for online behavioral advertising
- Address privacy concerns / increase customer trust
- Take responsibility to ensure privacy

Sources: Federal Trade Commission, 2007, 2009; AT&T, Time Warner, Verizon, 2008; American Association of Advertising Agencies (AAAA), Association of National Advertisers (ANA), Better Business Bureau (BBB), Direct Marketing Association (DMA), Interactive Advertising Bureau (IAB), 2009; Cisco IBSG, 2010

### Public Opinion: Concerns and Misperceptions Abound

### **Internet Privacy Survey**



Source: Consumer Reports National Research Center, 2008

### Public Opinion: Some People Are Willing To Share Personal Data

- Nearly 40% of consumers indicate some willingness to share information
- People between 25 and 29 are most likely to share location information
- People younger than 24 are most comfortable sharing behavioral information

#### **Data-Sharing Receptivity**

Are you comfortable letting your SP use personal information to tailor advertisements to you?



#### **Information Shared Online**

What data are you comfortable letting your SP use to deliver targeted advertisements?



### Public Opinion: Globally, Receptivity Remains in Early Market

- 75% of consumers are "uncomfortable" sharing information for improved ads
- Americans are most "uncomfortable" sharing personal information
- More than 25% of Asian consumers are "comfortable" sharing some information

#### **Receptivity to Sharing Information**

Are you comfortable letting your SP use personal information to tailor advertisements to you?



### Public Opinion: Advocacy Groups Have Agendas (and Attention)



#### **Contextual Advertising**

What: Content-based ad delivery

**Position:** If transparent and data collection / retention minimal, practice poses little risk

#### **Behavioral Advertising**

What: Matches ads to interests over time

**Position:** Raises serious questions since offline data may also be merged with online profiles; self-regulation has not worked

### Deep Packet Inspection (DPI) / Other Tracking Methods

What: Behavioral targeting

**Position:** Like postal service reading your mail

**Strategy:** Establish guidelines / protections to:

- 1) Ensure consistency with consumers' privacy expectations
- 2) Ensure data is tailored to proposed use; not kept / sent to third parties
- 3) Ensure customers are informed / have consented to information use

#### Concerns

- Tracking / storing private activity
- No consumer visibility
- Perceived use of data
- External party involvement
- Lack of / limited regulation

#### Wants

- No / limited collection, storage, sharing
- Transparency and consent
- Per-user usage expectations
- Stronger regulation

#### **Information Grouping**

- Interaction vs. preference vs. profile vs. behavioral
- In context vs. out of context
- Data from customer vs. data from third party

### **Unlocking the Opportunity**

### **Industry Must Address Privacy Concerns**

- Despite potential multibillion dollar market, consumer privacy concerns could derail opportunity
- Consumers, regulators, and advocacy groups are skeptical about sharing more information in exchange for "better" advertising
- Cisco IBSG has developed a comprehensive methodology to quickly evaluate privacy risks associated with advanced advertising options
- With the right approach, individual control, and choice, consumers will embrace advanced advertising

### Advanced advertising can become an accepted information service that delivers real value

### Information Grouping: Two Key Dimensions To Understand Risk

		1. Customer Data Interactions				
		<ul> <li>Interaction</li> <li>User-initiated data used for specific purpose</li> <li>Context limited to time-bound action</li> </ul>	<ul> <li>Preference</li> <li>Dynamically configurable service / feature data</li> <li>Customer- provided preference data</li> </ul>	<ul> <li>Profile</li> <li>Static individual / household data</li> <li>Customer data used for specific purpose / service</li> </ul>	<ul> <li>Behavioral</li> <li>Data inferred from past activity / interactions</li> <li>Activities captured, analyzed, used for unintended action</li> </ul>	
2. Data Source / Use	From Customer, in Context	<ul> <li>Data given to SPs by customers; data from observing / tracking customer behavior</li> <li>Data used within context of related services</li> </ul>				
	From Customer, out of Context	<ul> <li>Data given to SPs by customers; data from observing / tracking customer behavior</li> <li>Data used outside related service</li> <li>Data collected from one platform and used in another platform</li> </ul>				
	Enriched Third- Party Data		ed from public / private lercial relationships am			

### Information Grouping: Nine Critical Areas Must Be Evaluated

		1. Customer Data Interactions			
		Interaction	Preference	Profile	Behavioral
e / Use	From Customer, in Context Examples	<ul> <li>Implicit opt-in</li> <li>Interactive ads</li> <li>Secret p DVD</li> </ul>	<ul> <li>Dynamic user control</li> <li>Alerts; VoD ad based on movie</li> </ul>	<ul> <li>Reasonable customer expectations</li> <li>Targeted ad using account data</li> </ul>	<ul> <li>Low customer expectations</li> <li>Targeted ad using viewing data</li> </ul>
Jse		<ul> <li>Search, n-DVR, TVEX</li> </ul>	preference		viewing data
Source / L	From Customer, out of Context		<ul> <li>Dynamic user control</li> </ul>	<ul> <li>Low customer expectations</li> </ul>	<ul> <li>Low customer expectations</li> </ul>
Data Sou	Examples		<ul> <li>Vacation ad based on weather alert preference</li> </ul>	<ul> <li>Credit assistance ad based on late bill payment history</li> </ul>	<ul> <li>Insurance ad based on travel- viewing history</li> </ul>
2. []	Enriched Third- Party Data			<ul> <li>Low customer expectations</li> </ul>	<ul> <li>No customer expectations</li> </ul>
	Examples			<ul> <li>Targeted ad based on Acxiom data</li> </ul>	<ul> <li>Mobile ad with coupon based on Google searches</li> </ul>

### Information Grouping: Established and Emerging Guideposts Exist

		1. Customer Data Interactions			
		Interaction	Preference	Profile	Behavioral
2. Data Source / Use	From Customer, in Context	Online Interactive Ads / RFI Get Your Free Quote	Information Services	Membership- Based Marketing	Activity-Based Recommendations
	From Customer, out of Context		Preference-Based Marketing DMA choice.org	Membership- / Viewing-Based Ads, Sales, Recommendations	Internet-Activity- Based Ads
	Enriched Third- Party Data				ახაით
				Combined Online / Offline Data-Based Ads	ACXIOM Relevance-X®

### Privacy Risk Assessment: Unique Risk Profiles Exist for Every SP

		1. Customer Data Interactions			
_		Interaction	Preference	Profile	Behavioral
Use	From Customer, in Context Examples	Lower consumer sensitivity • Search, n-DVR, TVEX	<ul> <li>Dynamic user control</li> <li>Justs: VoD ad baseo umovie preference</li> </ul>	<ul> <li>Reasonable customer expectations</li> <li>Targeted ad using account data</li> </ul>	<ul> <li>Low customer expectations</li> <li>Targeted ad using viewing data</li> </ul>
Data Source / L	From Customer, out of Context Examples		<ul> <li>Dynamic user control</li> <li>Vacation ad based on weather alert preference</li> </ul>	<ul> <li>Credit assistance ad based on late bill payment history</li> </ul>	<ul> <li>Low customer extension</li> <li>Higher consumer sensitivity</li> </ul>
2. []	Enriched Third- Party Data Examples			Open to debate	

## Service Providers that Focus on Positive Consumer Experiences Can Succeed...

#### **Increased Utility**

- Consumers more receptive to ads that are relevant to them
- Can be achieved by ads that are:

Tailored to specific customer demographics

Targeted based on consumer-identified interests

Customized through location / other contextual queues



#### Source: Cisco IBSG Connected Life Market Watch, 2009; Base: U.S. Broadband Consumers

### ...and Get Consumers To Actively Seek New Forms of Advanced Advertising

#### **Advertisements "as" Applications**

- Branded applications related to developers' core business are rising
- Widgets and other useful sources of commonly requested information present new advertising inventory options

#### **Advertisements "in" Applications**

- Applications increasingly contain topical advertisements linked to information requests
- SPs increasing application footprints



### Advanced Advertising Must Deliver Incremental Value to Consumers, SPs

Address consumer privacy concerns with education and long-term commitment to building trust

- Avoid public relations pitfalls by implementing communications plan before any new advertising capability is deployed; provide clear explanation of consumer benefits and safeguards
- Define consumer utility as benefit customers can clearly articulate

Deliver superior experience by improving all aspects of previous service

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