Message		
From:	rev-team@google.com [rev-team@google.com]	
on behalf of	Rikard Lindquist [rikardl@google.com]	
Sent:	11/10/2011 2:28:18 AM	
То:	MAds [madsteam@google.com]; sochrox@google.com; global-partnerships-finance@google.com; Rev-team [rev	
	team@google.com]	
Subject:	[Rev-team] Fwd: Today's AdX Boot Camp: Survey & Materials	
Attachments:	Display Industry Slides.pptx	

For those of you wondering about how this whole display world fits together. Good deck attached

------ Forwarded message -----From: **Raj Hathiramani** <<u>rajhathi@google.com</u>> Date: Wed, Nov 9, 2011 at 14:22 Subject: Fwd: Today's AdX Boot Camp: Survey & Materials To: MMAP Finance <<u>mmapfinance@google.com</u>>

A good refresher preso on the Display ecosystem and role of RTB through exchanges, from a training that Ling and I attended today.

Raj Hathiramani | Google | Media, Mobile & Platforms rajhathi@google.com | 917-969-0725

----- Forwarded message ------

From: Eileen Duffy <<u>eileenduffy@google.com</u>>

Date: Wed, Nov 9, 2011 at 4:13 PM

Subject: Today's AdX Boot Camp: Survey & Materials

To: Alex Johnson <<u>alexjohnson@google.com</u>>, Anna Nguyen <<u>annatn@google.com</u>>, Ali Pasha <<u>apasha@google.com</u>>, Barbara Petit <<u>barbarap@google.com</u>>, Inderpreet Sandhu <<u>isandhu@google.com</u>>, Jai Krishnan <<u>jkrishnan@google.com</u>>, Brandon Jung <<u>jungb@google.com</u>>, Kariyushi Casper <<u>kariyushi@google.com</u>>, Kiran Mathrani <<u>kmathrani@google.com</u>>, Ellen Ko <<u>koe@google.com</u>>, Ling Hou <<u>lhou@google.com</u>>, Mary Ashley Amon <<u>maryamon@google.com</u>>, Matthew Conroy <<u>mattrc@google.com</u>>, Martin Boulogne <<u>mboulogne@google.com</u>>, Mark Coppin <<u>mcoppin@google.com</u>>, Raj Hathiramani <<u>rajhathi@google.com</u>>, Sanjey Sivanesan <<u>sanjey@google.com</u>>, Stacy French <<u>stacyfrench@google.com</u>>, Tali Saar <<u>talis@google.com</u>>, Tim Soennichsen <<u>tsoennichsen@google.com</u>>

## Hi, AdX Boot Camp attendees!

First: Thanks for taking a break from your usual schedules to attend today's training. I know it can be hard to carve out time, so hopefully you were able to get something out of it.

If you could take 30 seconds to fill out a survey, I'd greatly appreciate it :)

Also, the deck for today's session is attached to this email.

Please feel free to contact me with questions about the "industry" today, or anytime.

Have a great day, and nice to meet you all!

Rikard Lindquist | Finance Mgr Strategic Partnerships | Office: +1 (650)214-0780 | Mobile: Google Inc

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know it went to the wrong person. Thanks."

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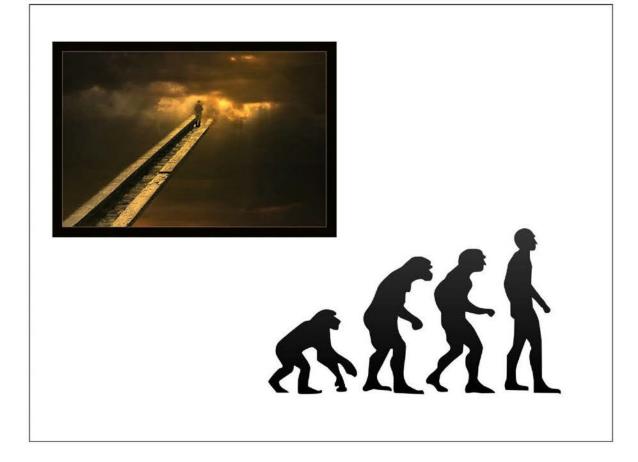
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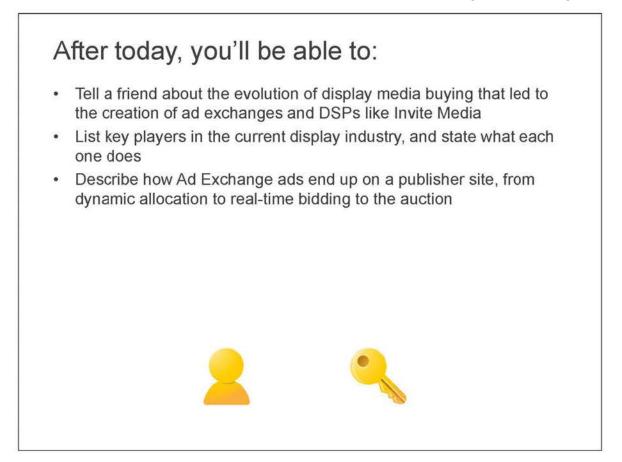
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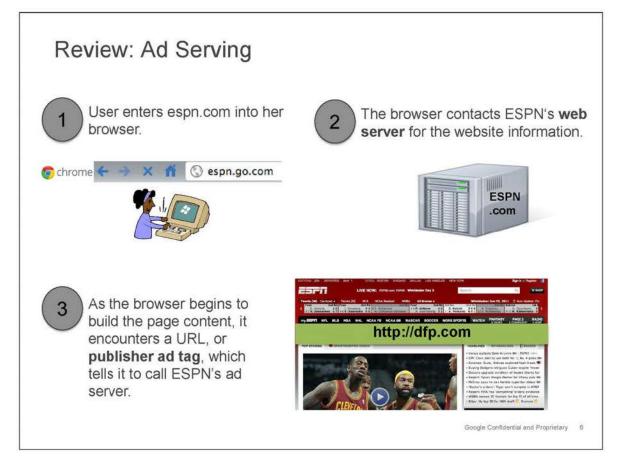


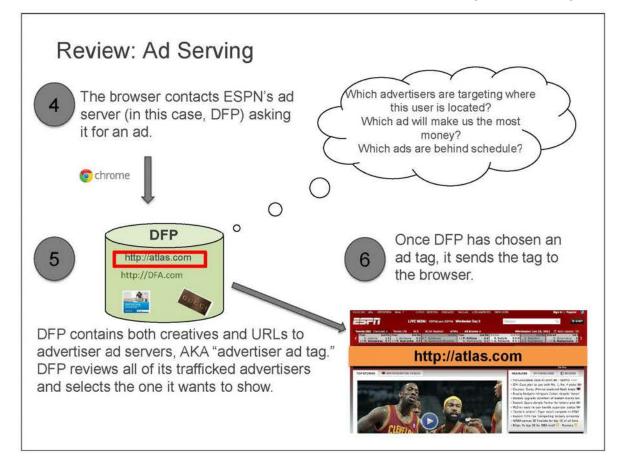
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dynamic allocation	ical-	ad network	y trading desk
audience	ad ex	change	
holding co	mpany	b	ouy-side
Google Display Network		yield manage	r
sell-side platforr	n	demand-side	platform



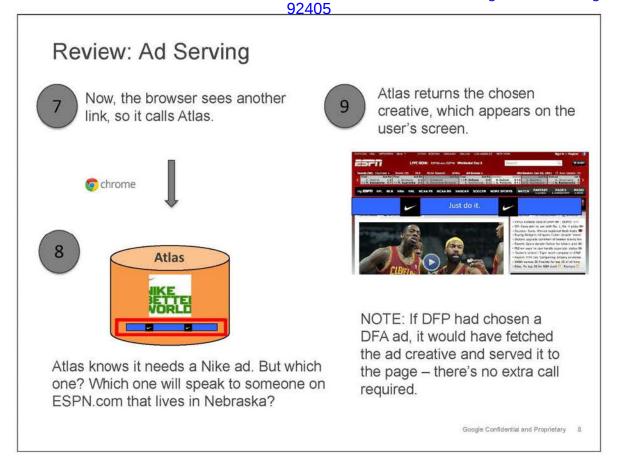






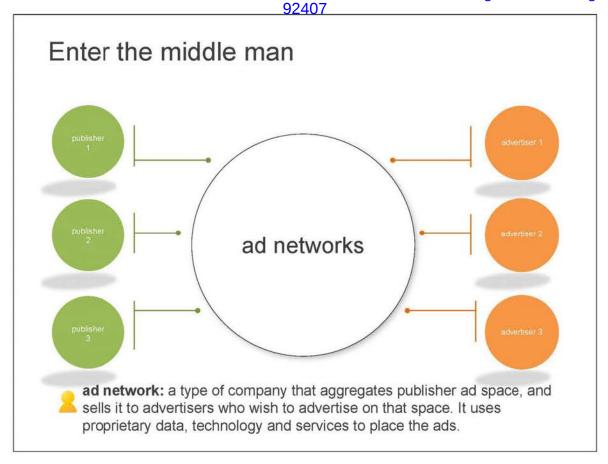


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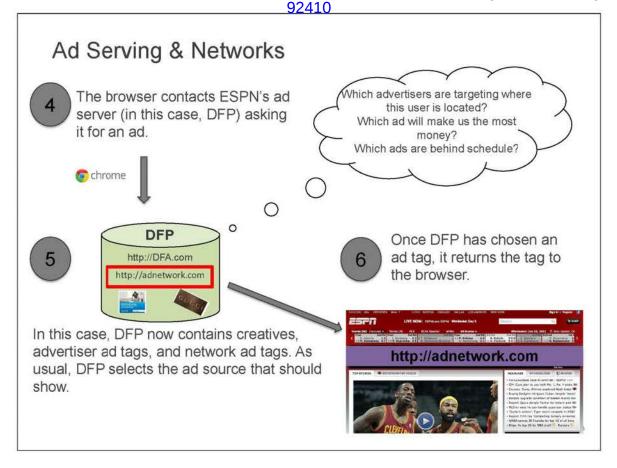




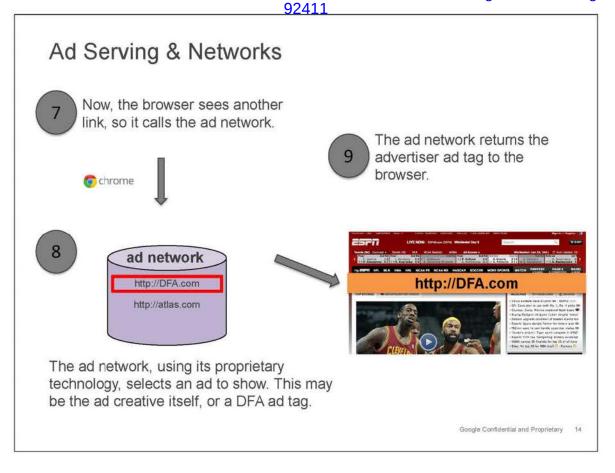




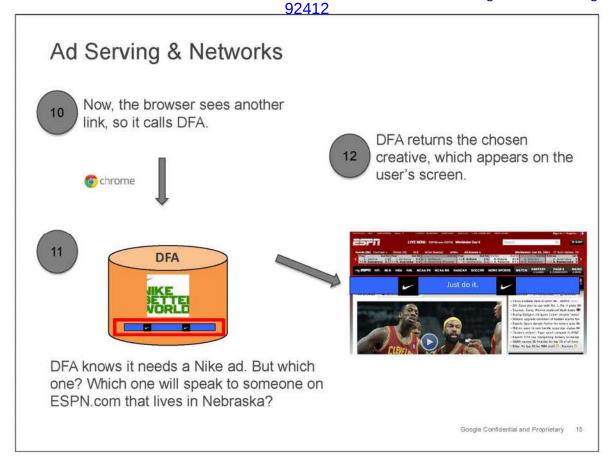
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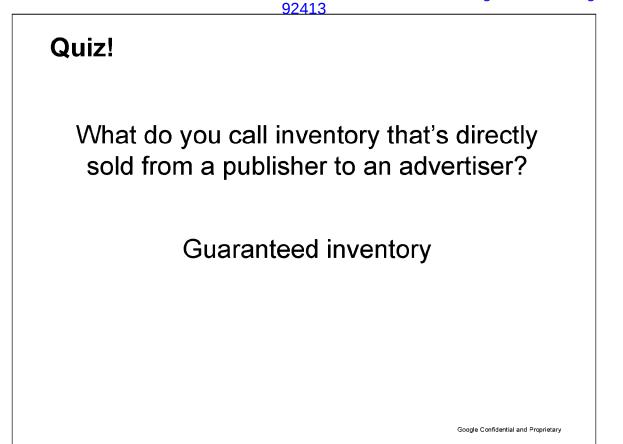


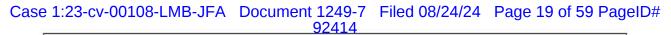
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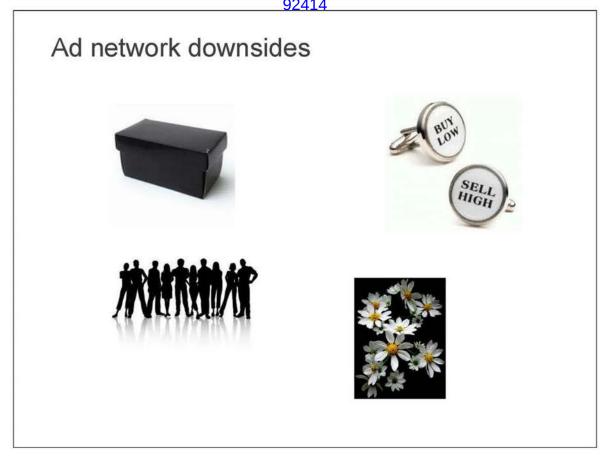


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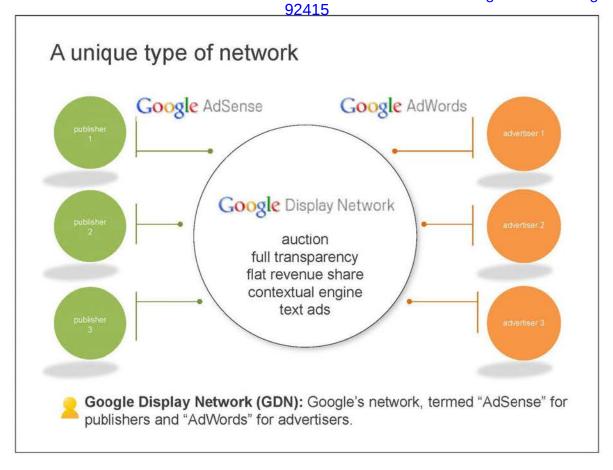








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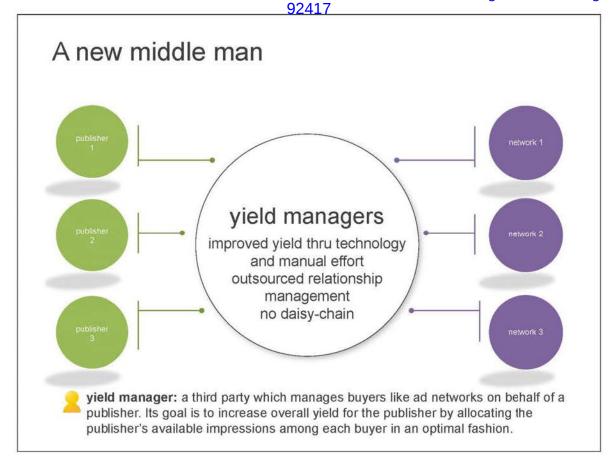


## Quiz!

## What is a downside of the traditional ad network model?

Lack of transparency Proliferation Daisy Chaining Arbitrage

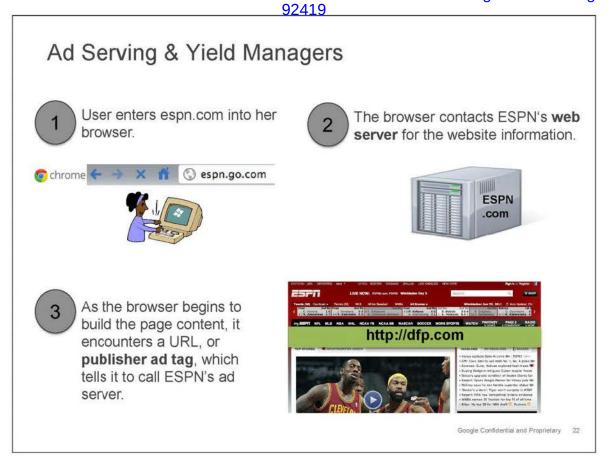
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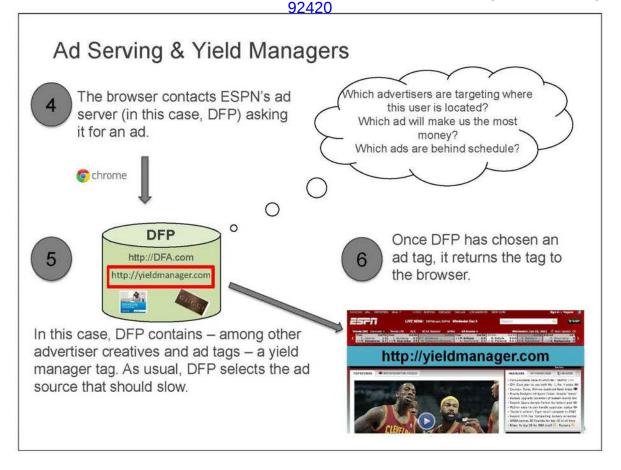


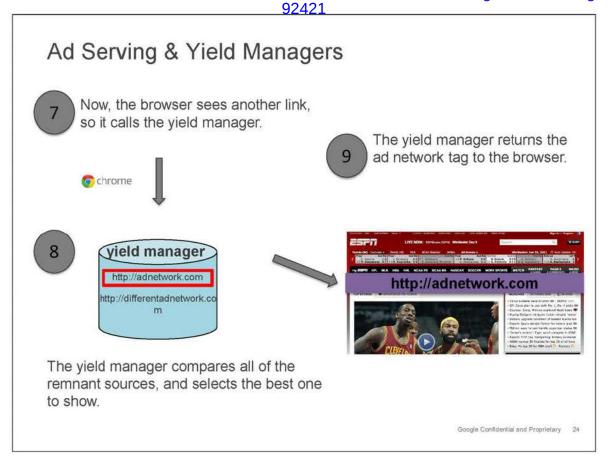




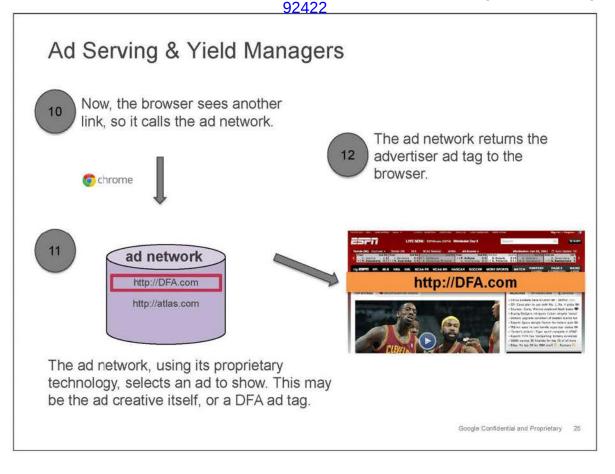


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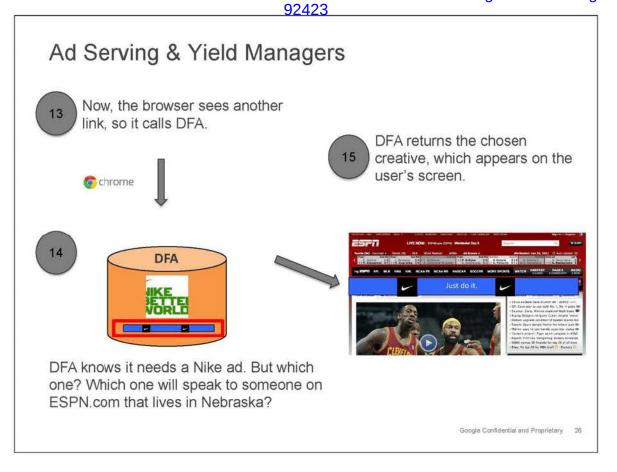




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## Yield manager downsides

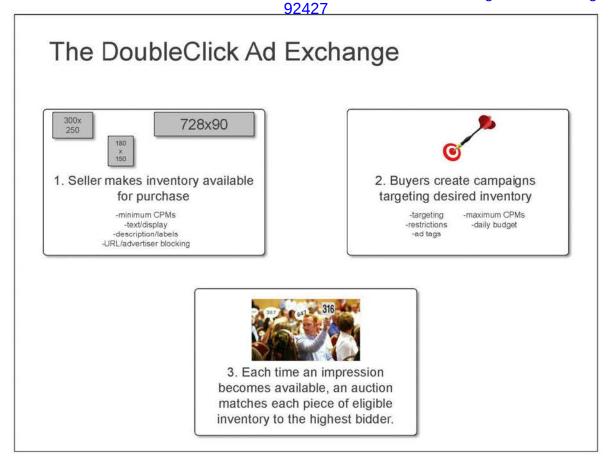
- One-sided (publisher-focused)
- Loss of control for publisher didn't always know how or why yield managers were allocating \$ the way that they were
- Yet another middle man between publisher and advertiser (taking yet another portion of each dollar)
- Didn't always yield more for publisher





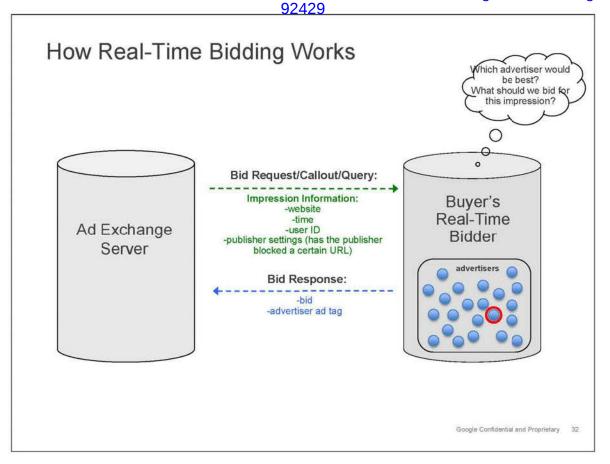




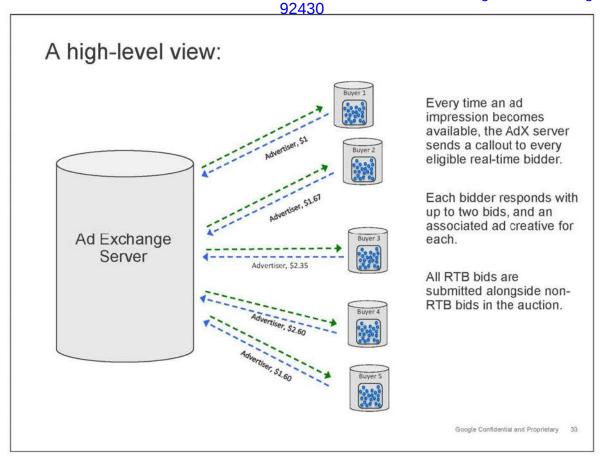




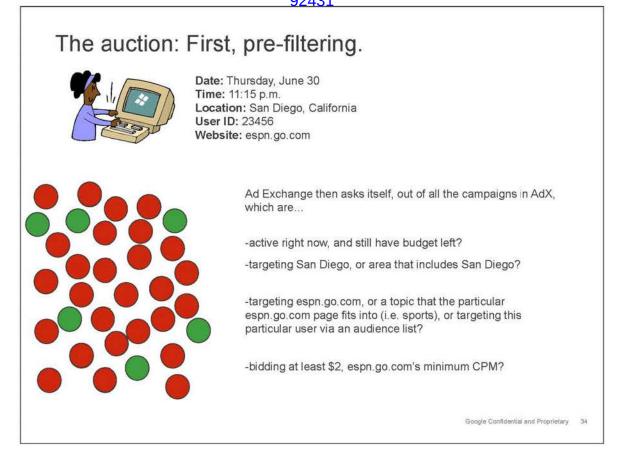
Two options for buying on AdX User Interface (UI) **Real-Time Bidding** · Like in AdWords, buyers use UI to target desired inventory (sites, topics of sites, · Buyers create one, large, widely-targeted UI remarketing audiences) campaign, and enable it for real-time bidding · Enter static bids that, each time your ads are Buyers set up a bidder to "listen to"/analyze eligible, will be entered into the auction every AdX impression · Bidder's built-in decision logic selects an AdWords differentiators: advertiser and a bid to submit for each auction. · accounts correspond to buyers, campaigns to Bid is submitted alongside other static UI bids. advertisers · Buyers can control the number of impressions · 3rd party ad serving easier they "listen to" by adjusting UI campaign settings · display-only · CPM-only · Importing of audience lists real-time bidding: an AdX feature whereby AdX sends a buyer information about an impression as it's happening. The buyers analyzes it, then returns a bid and ad tag to be submitted to the overall AdX auction.



like using the exchange without a UI like a firehose of impressions buyer analyzes and responds in real time being able to bid on every single impression. deciding whether or not u want it, at what price. you also decide which advertiser makes the most sense for this impression rather than UI, you have to bid on every single available one.

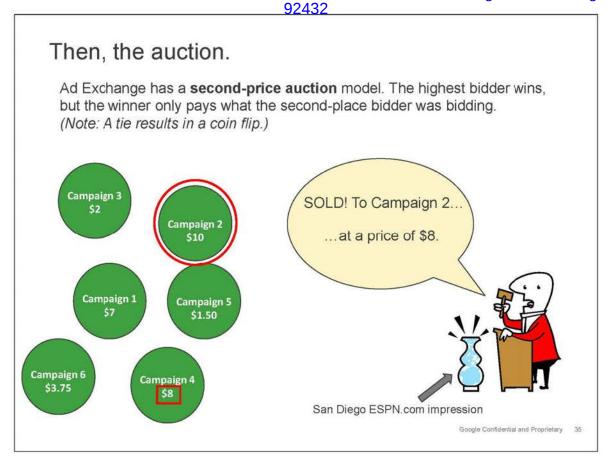


like using the exchange without a UI like a firehose of impressions buyer analyzes and responds in real time being able to bid on every single impression. deciding whether or not u want it, at what price. you also decide which advertiser makes the most sense for this impression rather than UI, you have to bid on every single available one.



At top, add user id 12345 (cookie) First, we filter out all campaigns that are not eligible for the auction. targeting a topic that this PAGE would fit into

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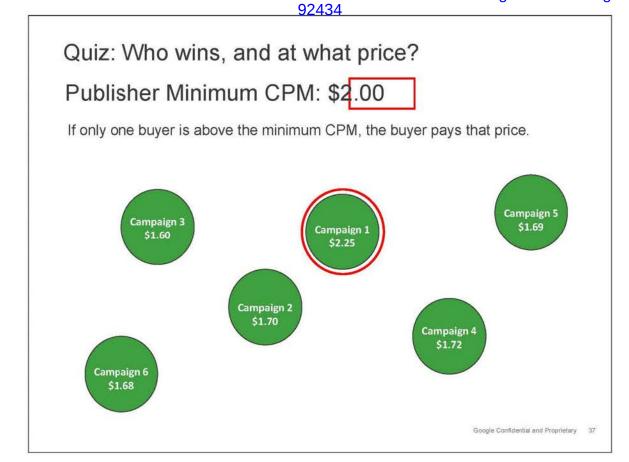
tie chosen at random





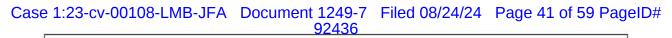
-maybe a tie

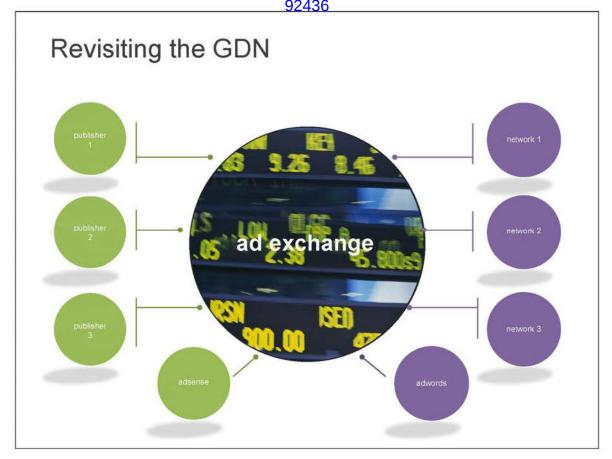




-maybe a tie

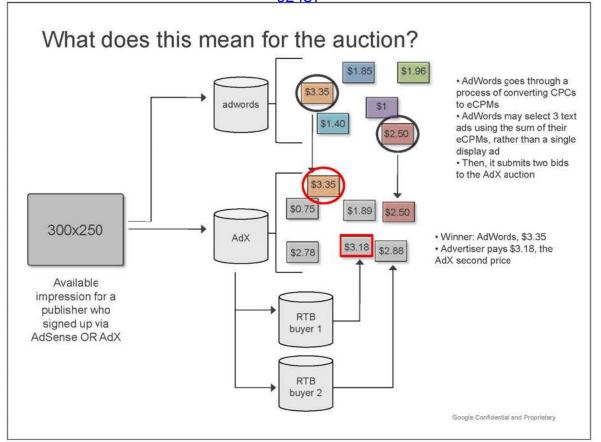
Quiz! What are two ways to buy on Ad Exchange? 1. Through the UI 2. Via real-time bidding





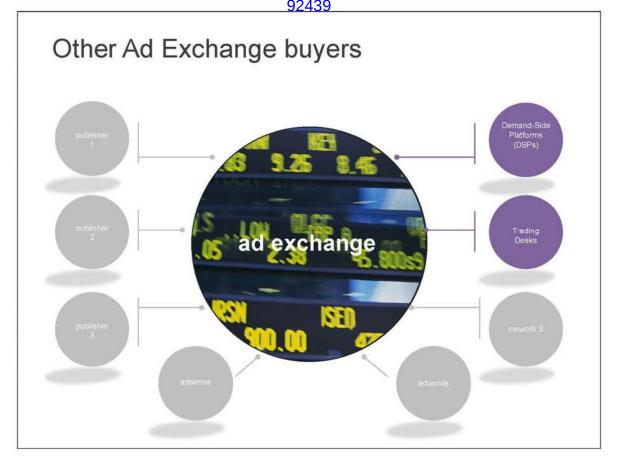
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92437



At top, add user id 12345 (cookie) First, we filter out all campaigns that are not eligible for the auction. targeting a topic that this PAGE would fit into Quiz: When would AdWords be the only eligible buyer (for either an AdX or AdSense publisher?)

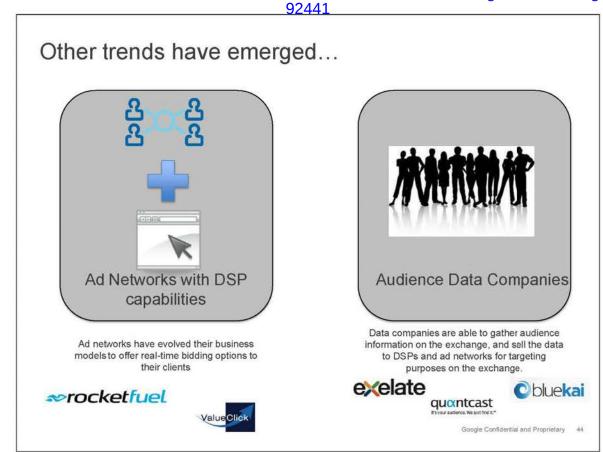
Answer: When the publisher has indicated they only want **text ads** for this ad unit.





replace triggit w/turn (note: used to be an ad network), mediamath for trading desks: add accuen, MIG, xaxis (GroupM/WPP) highlight invite media in some way

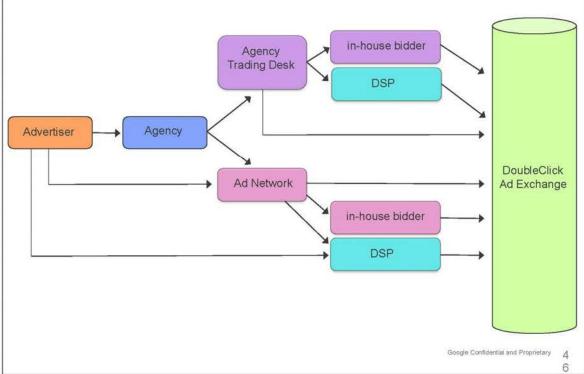




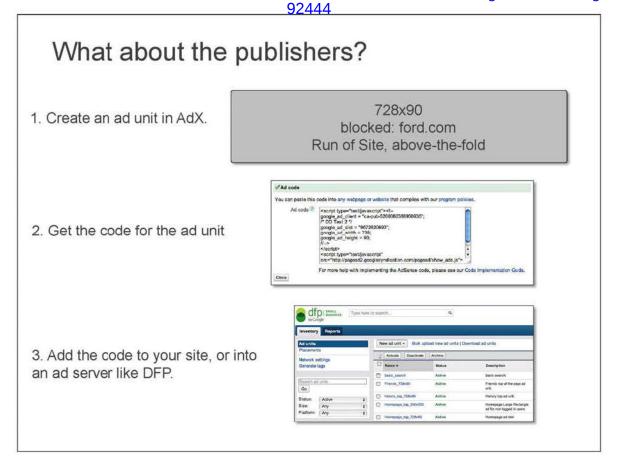
replace triggit w/turn (note: used to be an ad network), mediamath for trading desks: add accuen, MIG, xaxis (GroupM/WPP) highlight invite media in some way

Quiz! What's an example of a yield manager? Rubicon AdMeld Pubmatic 92443

Buyers access the exchange in many ways



API -mostly used for UI buys - see if we should incorporate that UPDATE ANIMATION Case 1:23-cv-00108-LMB-JFA Document 1249-7 Filed 08/24/24 Page 49 of 59 PageID#



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their dire	ect sales cl	their inventory to be <b>anonymous</b> , so they can protect nannel efforts (i.e. the advertisers who are buying directly an get the same inventory for cheaper on the exchange).
		flict: The risk that advertisers who buy directly from publishers nventory for cheaper through other channels
		o choose to make their inventory <b>anonymous unless the</b>
<ul> <li>Publishe</li> <li>advertis</li> </ul>	ers can also ser is bidd	
<ul> <li>Publishe</li> <li>advertis</li> </ul>	ers can also ser is bidd	O Allow advertisers to target my inventory by site name/custom channel only
<ul> <li>Publishe</li> <li>advertis</li> </ul>	ers can also ser is bidd I for anony	c choose to make their inventory <b>anonymous unless the</b> <b>ing at least a certain CPM</b> . In this case, they'd set a low mous, and a higher one for branded.
<ul> <li>Publishe</li> <li>advertis</li> </ul>	ers can also ser is bidd I for anony	<ul> <li>choose to make their inventory anonymous unless the ing at least a certain CPM. In this case, they'd set a low ymous, and a higher one for branded.</li> <li>Allow advertisers to target my inventory by site name/custom channel only</li> <li>Allow advertisers to target my inventory by anonymous ID only</li> </ul>

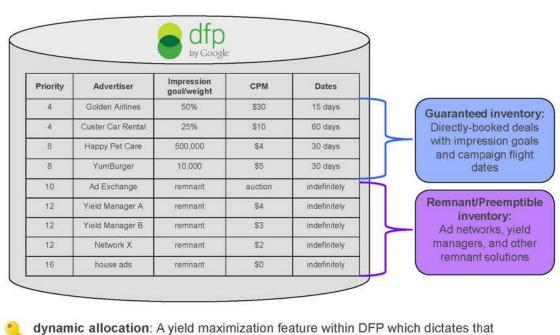
#### Quiz!

### What's a trading desk?

A division at an agency holding company designated to manage exchange buying for all of the holding company's agencies

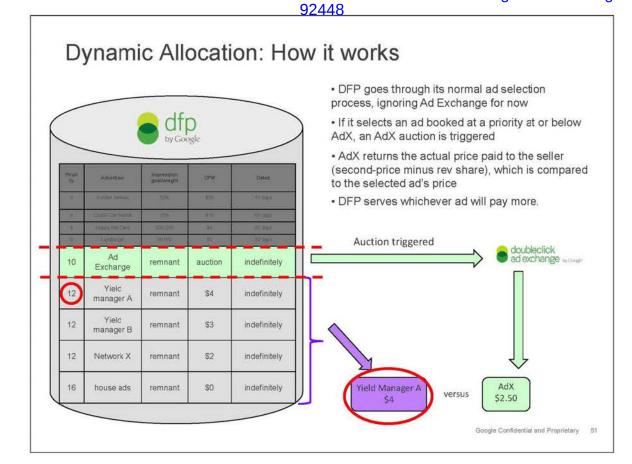
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# Publisher Benefits: Dynamic Allocation

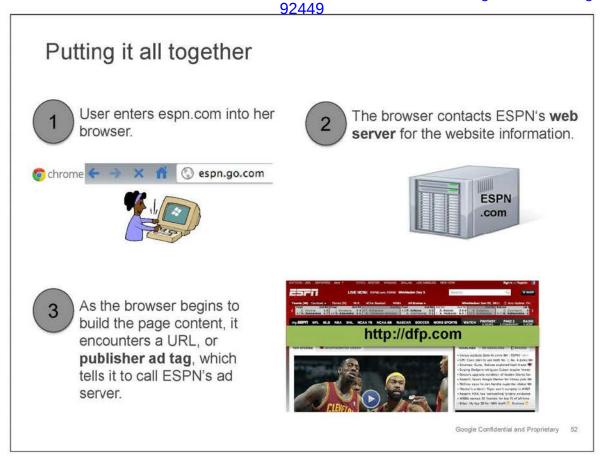


an AdX ad only serves if the price – calculated in real time – can beat the sources prioritized below it.

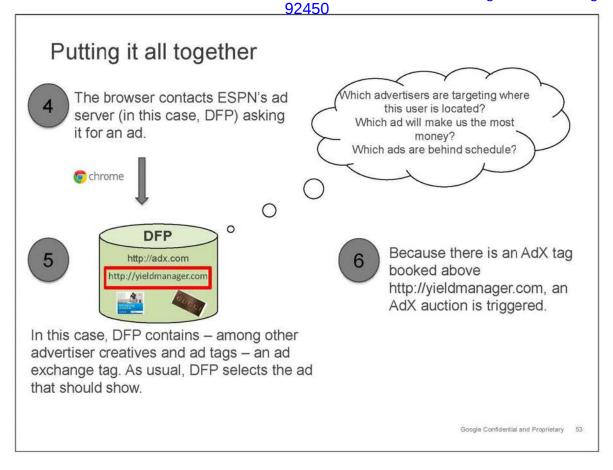
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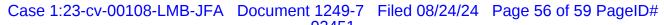


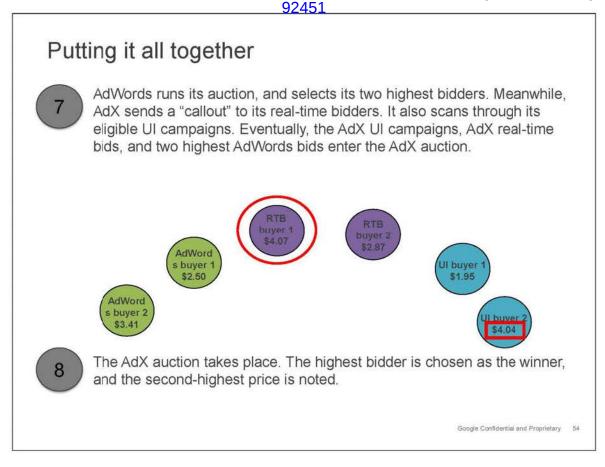


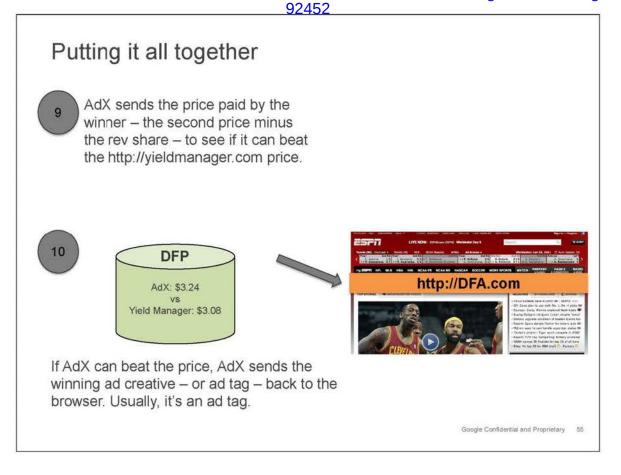


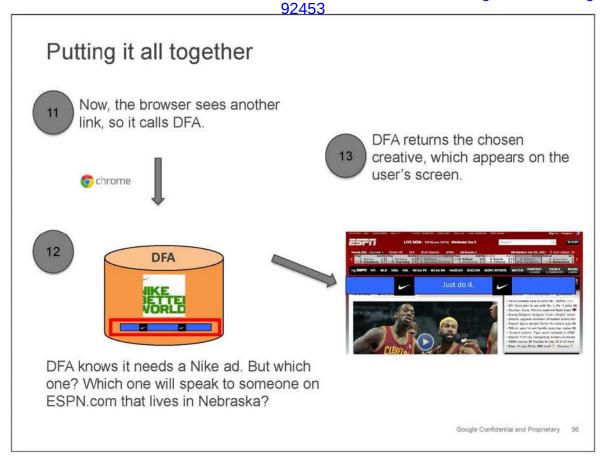
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#### Quiz!

What feature in DFP only shows the AdX ad if (a) DFP chooses an ad booked below AdX and (b) the price paid to the publisher from AdX can beat the price of the ad DFP has selected?

**Dynamic Allocation** 

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