

# EXHIBIT Q

UNITED STATES DISTRICT COURT  
NORTHERN DISTRICT OF CALIFORNIA  
OAKLAND DIVISION

ORACLE CORPORATION, a Delaware )  
corporation, ORACLE USA, INC., a )  
Colorado corporation, and ORACLE )  
INTERNATIONAL CORPORATION, )  
a California corporation, )  
Plaintiffs, )  
vs. ) CASE NO. 07-CV-01658 (MJJ)  
SAP AG, a German corporation, )  
SAP AMERICA, INC., a Delaware )  
corporation, TOMORROWNOW, INC., a )  
Texas corporation, and DOES 1-50, )  
inclusive, )  
Defendants. )

"HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY"

ORAL VIDEOTAPED DEPOSITION

JOHN RITCHIE

DECEMBER 2, 2009

ORAL VIDEOTAPED DEPOSITION OF JOHN RITCHIE, produced as a witness at the instance of the Plaintiffs and duly sworn, was taken in the above-styled and numbered cause on the 2nd day of December, 2009, from 9:52 a.m. to 3:30 p.m., before Dana Richardson, Certified Shorthand Reporter in and for the State of Texas, reported by computerized stenotype machine at the Hilton Hotel & Conference Center, 801 University Drive East, College Station, Texas 77840, pursuant to the Federal Rules of Civil Procedure and the provisions stated on the record or attached hereto.

Job No. 1603-93483

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11:36:00  
11:36:03  
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11:37:07  
11:37:07

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11:38:32 1 Q Okay  
11:38:32 2 A Because our company meeting was at the end of  
11:38:35 3 February, if I remember correctly, and it was a couple of  
11:38:37 4 weeks right after that I remember it was very apropos  
11:38:39 5 timing, considering we just had the company meeting, then the  
11:38:42 6 billion-dollar lawsuit hits So, I think it was mid-April  
11:38:47 7 Q So, from -- from the end of June, 2006, to late  
11:38:51 8 April, 2007, you were testing Titan by downloading from the  
11:38:54 9 Oracle website?  
11:38:57 10 A Correct  
11:38:57 11 Q And it sounds like you are often running Titan for  
11:39:01 12 several hours at a time?  
11:39:02 13 A That is correct  
11:39:04 14 Q And at what approximate pace is Titan downloading  
11:39:09 15 during the time that it's running when you're testing it?  
11:39:12 16 A Very fast, faster than a human  
11:39:15 17 Q Incrementing through the different downloads from the  
11:39:18 18 Oracle site?  
11:39:19 19 A Correct  
11:39:19 20 Q And in the course of a --  
11:39:22 21 A If you want specific timings, it actually can provide  
11:39:24 22 timings in the log file; but they're very much based on  
11:39:29 23 depending on which artifact you're going after  
11:39:32 24 Q All right And, so, in the course of a several-hour  
11:39:35 25 or overnight testing session, approximately how many downloads

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11:37:07  
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11:37:59  
11:38:01  
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11:38:10  
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11:38:27  
11:38:29  
11:38:31

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11:39:39 1 would Titan typically be downloading in the course of that  
11:39:42 2 session?  
11:39:43 3 A For example, I remember when I was testing JDE One  
11:39:47 4 World, I was exceeding 20,000 documents easily in a 12-hour  
11:39:51 5 period  
11:39:54 6 Q And was it -- was it a daily occurrence that you  
11:40:00 7 would be testing Titan to download from the Oracle website?  
11:40:03 8 A No, not daily  
11:40:04 9 Q Would it be several times a week?  
11:40:06 10 A Probably, yeah, depending on what function I was  
11:40:08 11 working on and how much testing I needed to do  
11:40:11 12 Q All right  
11:40:12 13 A For the most part, I could get the code running, you  
11:40:14 14 know, like, 90 percent without having to do much of anything,  
11:40:17 15 but that final 10 percent is where I needed to actually let it  
11:40:21 16 run and then I had to make sure it could run a long, long time  
11:40:26 17 because if it didn't, I would get, "Oh, there's a bug in it "  
11:40:28 18 And, you know, 12 hours running, they don't tell me what bug  
11:40:32 19 had hit  
11:40:33 20 Q So, now, thinking about the several-month period that  
11:40:42 21 you were developed -- that you were testing Titan --  
11:40:44 22 A A little over a year  
11:40:45 23 Q -- the number of times that you were testing it by  
11:40:49 24 running it several hours at a time, having that in mind, can  
11:40:55 25 you give me an informed estimate -- it can be an

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11:41:01 1 approximation -- but an informed estimate as to how many  
11:41:05 2 downloads you would estimate you downloaded from the Oracle  
11:41:09 3 website in the course of testing Titan?  
11:41:13 4 MR LANIER: Object to form  
11:41:16 5 A An informed estimate Each artifact --  
11:41:26 6 THE REPORTER: I'm sorry, sir, I didn't hear  
11:41:26 7 you "Each artifact" --  
11:41:26 8 A With each artifact, I'm doing "X" number of testing  
11:41:30 9 for hours, several hundred thousand per test run I would  
11:41:40 10 probably say easily a million documents total, as an estimate,  
11:41:44 11 just off the top of my head  
11:41:47 12 Q (BY MR HOWARD) I understand And if it's easier to  
11:41:51 13 give a range, you know, it's fine to give a range  
11:41:53 14 A That estimate is probably about as accurate as I can  
11:41:56 15 get, unless I actually did some more research  
11:41:58 16 Q Were any of those approximately million downloads  
11:42:02 17 taken on behalf of any specific customer at TomorrowNow?  
11:42:06 18 A No I never represented or downloaded any documents  
11:42:12 19 for any particular customer My testing was specifically  
11:42:17 20 functionally based  
11:42:19 21 Q And I believe you said that you deleted those  
11:42:22 22 downloads after you took them?  
11:42:23 23 A That is correct Until the litigation hit Then I  
11:42:28 24 had to store them; and then two weeks after, we stopped all  
11:42:33 25 together So, I still had some documents left on my system

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11:42:34 1 that I couldn't delete But for the most part, yeah, every  
11:42:38 2 single time I ran it, it -- I would just delete the results  
11:42:51 3 Q Are you aware of whether any of the downloads that --  
11:42:53 4 that you took with Titan in the course of testing it were ever  
11:42:56 5 used on behalf of any particular customer?  
11:42:59 6 A No I never let them out of my desktop -- my laptop  
11:43:02 7 Q Okay  
11:43:07 8 A No, I can't attest to any of the documents they might  
11:43:10 9 have used while they were testing I do my testing and then  
11:43:14 10 Desmond Harris and a few other people -- I believe Phil Lamar  
11:43:18 11 was another one that would test Titan as well to make sure,  
11:43:21 12 you know, that was the final test before they moved it into  
11:43:24 13 production I don't know what they did with their test  
11:43:27 14 documents  
11:43:28 15 Q In doing your development testing and downloading  
11:43:35 16 with Titan, were you ever told to limit the downloads that you  
11:43:44 17 were taking according to what credential you were using at  
11:43:48 18 that particular moment in time with Titan?  
11:43:50 19 A Limit? No I wasn't told to limit them in any  
11:43:57 20 particular product line, nor was I told to limit it in a  
11:44:01 21 quantity of documents I downloaded It was just, "This needs  
11:44:06 22 to download, these things; so, make sure they all work "  
11:44:09 23 Q And in -- in doing the testing you were doing with a  
11:44:11 24 particular credential, did you ever impose any limits on  
11:44:16 25 yourself as to what it was that you were downloading?

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11:44:20 1 A They -- I know where you're going with this They  
11:44:23 2 never gave me restrictions based on the credentials as to what  
11:44:27 3 I could download They knew what I was testing They gave me  
11:44:30 4 credentials for it I used them And that might have been --  
11:44:34 5 you know, depending on what those credentials were for, they  
11:44:39 6 may not have been valid for all the product lines that I  
11:44:41 7 downloaded  
11:44:43 8 MR LANIER: Move to strike  
11:44:44 9 Q (BY MR HOWARD) Did you -- did you ever -- did you  
11:44:45 10 ever -- did anybody ever give you any instructions about which  
11:44:51 11 product lines could be downloaded with which credential?  
11:44:55 12 A No  
11:44:56 13 Q And did you ever impose any restrictions on which  
11:44:59 14 product lines you would download with a particular credential?  
11:45:02 15 A No  
11:45:04 16 Q And was it typical in using a particular credential  
11:45:07 17 for the purpose of testing Titan by downloading from the  
11:45:10 18 Oracle website that you would have Titan download all  
11:45:16 19 available products within a product line?  
11:45:18 20 A Correct  
11:45:22 21 Q And would you use a -- a given credential to download  
11:45:27 22 multiple product lines? And let's be specific  
11:45:32 23 A Depending on the artifact, that is possible, yes  
11:45:36 24 Q So, one credential might be used to download both  
11:45:39 25 PeopleSoft and JDE and Siebel?

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11:45:43 1 A No You never crossed product lines  
11:45:44 2 Q Okay But within PeopleSoft, you would not limit  
11:45:46 3 yourself necessarily to a particular PeopleSoft product?  
11:45:48 4 A That is correct  
11:45:49 5 Q And within JDE, you would not limit yourself to a  
11:45:52 6 particular JDE product?  
11:45:53 7 A There was only a separation between World and One  
11:45:56 8 World -- actually no, I take that back I don't think there  
11:46:05 9 really was any functional separation, just that they were two  
11:46:09 10 different product lines So, I did have different credentials  
11:46:13 11 for each one So -- but there was no limits as to what I  
11:46:16 12 could download with those credentials  
11:46:19 13 Q So, you --  
11:46:20 14 A And there's no limits on the actual Oracle website  
11:46:23 15 either to limit you If you're using a certain set of  
11:46:27 16 credentials for PeopleSoft and you're only supposed to have,  
11:46:30 17 you know, software patch X, well, there's no limit to  
11:46:34 18 downloading as well for PeopleSoft patch Y, Z, X, whatever  
11:46:43 19 Q Other than the terms of use and the other things  
11:46:44 20 we've already talked about?  
11:46:46 21 A Correct  
11:46:47 22 Q Who would provide these credentials to you when you  
11:46:49 23 asked for them to use in testing Titan?  
11:46:52 24 A Project management office  
11:46:53 25 Q Who was that?

JOHN RITCHIE December 2, 2009  
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11:46:54	1	A Well, namely Julio Guzman, but he would instruct one	11:56:17	
11:46:59	2	of his underlings to send them to me usually or he would give	11:56:25	
11:47:03	3	them to me himself	11:56:29	
11:47:08	4	Q Was Titan programmed to limit the downloads that were	11:56:32	
11:47:18	5	being taken for a particular credential according to what that	11:56:36	
11:47:25	6	customer might be licensed to?	11:56:43	
11:47:27	7	A The only limits that would be imposed are not within	11:56:49	
11:47:31	8	Titan It would only be the person that's downloading	11:56:55	
11:47:35	9	Q What do you mean by that?	11:56:59	
11:47:35	10	A If a person, say, for example, was downloading for a	11:57:01	
11:47:40	11	PeopleSoft customer and if he didn't know their product lines	11:57:05	
11:47:45	12	correctly or if someone made a mistake, then he would be	11:57:06	
11:47:50	13	downloading anything and everything or probably the wrong	11:57:12	
11:47:52	14	thing That's what I mean The -- the only limits are	11:57:15	
11:47:59	15	basically in the person to make sure that they don't screw up	11:57:21	
11:48:02	16	and ask for the wrong thing And how they implemented that, I	11:57:24	
11:48:05	17	don't know You'd have to talk to someone in the PeopleSoft	11:57:27	
11:48:11	18	line Like, Shelley Nelson or something could explain that	11:57:31	
11:48:14	19	better	11:57:34	
11:48:15	20	Q Did you ever have any discussions with anybody	11:57:35	
11:48:18	21	outside of Greg Nelson and sort of the senior management at	11:57:40	
11:48:23	22	TomorrowNow about your work with Titan, Andrew Nelson, Shelley	11:57:41	
11:48:27	23	Nelson?	11:57:44	
11:48:27	24	A No They're even harder to talk to than Greg is	11:57:47	
11:48:31	25	Quite honestly, after a while, I didn't even want to talk to	11:57:50	
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11:48:34			11:57:54	
11:48:45			11:57:54	
11:48:47			11:57:58	
11:49:02			11:57:59	
11:49:05			11:58:06	
11:49:06			11:58:11	
11:49:09			11:58:13	
11:49:12			11:58:17	
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11:55:23			11:58:24	
11:55:24			11:58:28	
11:55:28			11:58:30	
11:55:29			11:58:34	
11:55:31			11:58:37	
11:55:34			11:58:42	
11:55:39			11:58:45	
11:55:39			11:58:47	
11:55:41			11:58:49	
11:55:45			11:58:54	
11:55:49			11:58:57	
11:55:55			11:59:01	
11:56:01			11:59:03	
11:56:05			11:59:07	
11:56:09			11:59:11	
11:56:12			11:59:15	

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13:08:00		13:10:40	1 A That is correct
13:08:01		13:10:40	2 Q And did you ever observe Titan in action downloading
13:08:02		13:10:47	3 any updates and fixes?
13:08:08		13:10:49	4 A No None of these functions that Josh did, I did not
13:08:11		13:10:54	5 run any of them, nor had I seen any of them run --
13:08:15		13:10:57	6 Q Okay
13:08:19		13:10:57	7 A -- in my time there
13:08:21		13:11:01	8 Q Then turning to the next page, No 4 is the Solution
13:08:27		13:11:06	9 Saver functionality?
13:08:32		13:11:09	10 A Yes
13:08:36		13:11:10	11 Q That's -- that's the one that -- that you did
13:08:41		13:11:11	12 yourself --
13:08:44		13:11:12	13 A Correct
13:08:45		13:11:12	14 Q -- one of them?
13:08:47		13:11:22	15 Were -- were there specific URLs that Titan
13:08:53		13:11:23	16 would access to download the Solution Savers?
13:08:56		13:11:27	17 A Yes You -- it's the navigation from once you log on
13:08:57		13:11:34	18 to the Oracle website You have to navigate to the
13:09:01		13:11:37	19 appropriate product line and then the appropriate items under
13:09:02		13:11:38	20 that product line So, yes, there is a certain URL
13:09:03		13:11:45	21 Q And were those URLs programmed into Titan?
13:09:05		13:11:47	22 A Yes
13:09:08		13:11:48	23 Q And how did you obtain those URLs?
13:09:10		13:11:52	24 A By re -- reverse-engineering the Oracle website
13:09:11		13:11:59	25 Q And that would be by logging on with a credential and
Page 115		Page 117	
13:09:12		13:12:02	1 looking for and obtaining those URLs?
13:09:24		13:12:07	2 A Logging on manually, following the path, seeing how
13:09:28		13:12:09	3 the code is downloaded, depending on what artifact it is If
13:09:29		13:12:15	4 there's a loop that runs it, however they accessed, are they
13:09:29		13:12:16	5 by document number, are they by name So, those are
13:09:31		13:12:22	6 particulars that I use to decipher and so that I can put them
13:09:34		13:12:27	7 into the Titan code
13:09:35		13:12:33	8 Q And looking at the next page of the document, there's
13:09:39		13:12:39	9 a reference to the ability to search for ranges?
13:09:39		13:12:42	10 A Yes
13:09:41		13:12:42	11 Q And those are the ranges of solution IDs that we
13:09:44		13:12:47	12 talked about earlier that you were attempting to develop with
13:09:47		13:12:49	13 different forms of experimentation?
13:09:51		13:12:50	14 A Correct But there's also the ability that the user
13:09:53		13:12:54	15 could enter in a search range If they happen to know the
13:09:54		13:13:02	16 specific numbers or a range that they want, they can actually
13:10:09		13:13:03	17 enter it in and it will run just that range
13:10:12		13:13:04	18 Q Is there any -- is there any part of Titan that
13:10:17		13:13:05	19 allows you to associate a range with a particular product?
13:10:22		13:13:13	20 A Particular product? Yes
13:10:23		13:13:15	21 Q How would you do that?
13:10:28		13:13:18	22 A It would be through the user interface If I could
13:10:31		13:13:20	23 refer you back to page 6 of 15, TN No 4828, you'll notice the
13:10:32		13:13:32	24 possible downloads on the left in the picture of the select
13:10:34		13:13:36	25 product list Those are all the possible things that you can

Page 118			Page 120		
13:13:40	1	search on and download As you see, the queued downloads --	13:16:40		
13:13:44	2	after you select these, you move them over to the queued	13:16:43		
13:13:47	3	downloads and the queued downloads then are all that get	13:16:45		
13:13:50	4	processed So, you can select from this whole range, any or	13:16:47		
13:13:56	5	all	13:16:51		
13:13:56	6	Q In other words, you could -- you could say, "Give me	13:16:51		
13:13:59	7	everything related to every single PeopleSoft product on the	13:16:55		
13:14:03	8	website"?	13:16:59		
13:14:03	9	A Correct	13:17:02		
13:14:04	10	Q Was there a default one way or the other within	13:17:04		
13:14:05	11	Titan?	13:17:07		
13:14:08	12	A No They have to specify at least something, but I	13:17:10		
13:14:11	13	don't do any checking as to are they allowed to download this	13:17:16		
13:14:16	14	item versus that item No	13:17:23		
13:14:19	15	Q Right There's nothing -- if -- if -- if a user	13:17:26		
13:14:21	16	selects PeopleSoft CRM, there's nothing within Titan that	13:17:32		
13:14:26	17	checks whether PeopleSoft CRM is licensed to that particular	13:17:37		
13:14:34	18	customer's credential that's being used?	13:17:40		
13:14:35	19	A That is correct There is no checking whatsoever	13:17:43		
13:14:36	20	If the user wants to download CRM and CRM Legacy and all	13:17:44		
13:14:42	21	these, even though the customer, say, only has CRM, nothing	13:17:44		
13:14:45	22	can stop them	13:17:44		
13:14:46	23	Q Was there ever any discussion that you were aware of	13:17:47		
13:14:49	24	within TomorrowNow about whether to include within Titan some	13:17:50		
13:14:52	25	kind of -- of functionality to restrict the downloading to	13:17:55		
Page 119			Page 121		
13:14:57	1	what a particular customer would be licensed to?	13:17:57		
13:14:59	2	A No They wanted Titan to be generic to download	13:17:58		
13:15:03	3	anything they needed They determined that the functionality	13:18:00		
13:15:08	4	for restriction would be held in the hands of the engineer	13:18:04		
13:15:10	5	doing the downloading or the person --	13:18:11		
13:15:14	6	Q When you say "they," who are you referring to?	13:18:17		
13:15:19	7	A The management team, whoever is -- you know, Shelley	13:18:23		
13:15:21	8	Nelson on down that ran the PeopleSoft line They're the ones	13:18:27		
13:15:24	9	that determine how they process that The way I was told is	13:18:29		
13:15:27	10	that it is the responsibility of whoever is doing the download	13:18:34		
13:15:32	11	to know what they need	13:18:35		
13:15:36	12	Q What's the reference to batch -- batch downloading	13:18:39		
13:15:41	13	versus range searching back on page 7 of 15?	13:18:42		
13:15:50	14	A Batch job is the all-inclusive, meaning it will find	13:18:47		
13:15:53	15	everything Range search means you're just going to go	13:18:49		
13:15:59	16	between the No X and No Y	13:18:53		
13:16:12	17	Q Okay Turning to the next page, then, page 15, the	13:18:56		
13:16:17	18	bottom part of the Solution Saver section here, it says: "Due	13:19:00		
13:16:20	19	to the current speed of the People" -- this is the last	13:19:04		
13:16:24	20	paragraph above Heading 5 It says: "Due to the current	13:19:07		
13:16:26	21	speed of the PeopleSoft website, if there is a large number of	13:19:11		
13:16:29	22	solutions to be downloaded, it is recommended that the process	13:19:18		
13:16:33	23	be broken up across several machines "	13:19:22		
13:16:37	24	Why was that recommendation made?	13:19:28		
13:16:38	25	A I'm sorry What page are you on?	13:19:30		

1 STATE OF TEXAS  
2 COUNTY OF HARRIS

3 REPORTER'S CERTIFICATE

4 I, Dana Richardson, a Certified Shorthand Reporter in and  
5 for the State of Texas, do certify that this deposition  
6 transcript is a true record of the testimony given by the  
7 witness named herein, after said witness was duly sworn by me.  
8 The witness was requested to review the deposition.

9 I further certify that I am neither attorney or counsel  
10 for, related to, nor employed by any parties to the action in  
11 which this testimony is taken and, further, that I am not a  
12 relative or employee of any counsel employed by the parties  
13 hereto or financially interested in the action.

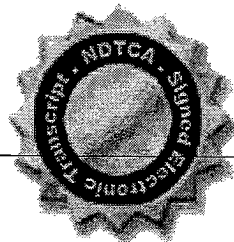
14 I further certify that the amount of time used by each  
15 party at the deposition is as follows:

16 Mr. Geoff Howard - 03:47

17 Mr. Greg Lanier - 00:56

18 SUBSCRIBED AND SWORN TO under my hand and seal of office  
19 on this the 8 day of December,  
20 2009.

21 Dana Richardson



22 Dana Richardson, CSR  
23 Texas CSR 5386  
24 Expiration: 12/31/11  
25 Merrill Legal Solutions, Firm No. 210  
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