6539 E

Comes v. Microsoft

From:

Steven Sinofsky

Sent:

Thursday, January 28, 1999 7:34 PM

To: Subject: Adam Bosworth RE: Leveraging Office

We'll keep looking into this. No need to say we did a good job, even if you did no one would believe you anyway :-)

----Original Message-----From: Adam Bosworth

Sent: Thursday, January 28, 1999 9:43 AM

To: Steven Sinofsky

Subject:

RE: Leveraging Office

Well, I'm sorry if I blew the process. I was reacting to a billg request for office involvement in XML to jamesu this week.

Datachannel is a good group for you to be working with and they can demo these things. But they have explicitly warned me about these issues and are upset about their inability to parse the office documents without a lot of hacking. It is true that if you can output XML, you can output HTML. I'm just arguing that there is a lot of XML that doesn't fit into nested tables. I'm not arguing for 2 representations in the file by the way. It isn't hard to make HTML XML parsable, particularly tables which already are. I suspect you and I are mis-communicating a bit (undoubtedly my fault and my apologies up front) because I don't think what I'm proposing should force you to either a really "new" format or to a store twice format. Perhaps, we should just meet and chat?

PS. If you like me to point out that you've already done a great job with net interop with what you did do, I'd be happy to. You convinced me of that a long time ago.

-----Original Message-----From: Steven Sinofsky

Sent: Thursday, January 28, 1999 9:29 AM

To: Adam Bosworth

Subject:

RE: Leveraging Office

We demonstrated this exact scenario with datachannel last week using Office 2000's HTML and tables. If you need a high performance parser on the server, then I think we'll get farther with using HTML that everyone already understands.

I think the converse is true as well. If someone can output XML for Office to parse, they can certainly output an HTML table. This is for viewing data so a view in HTML or XML seem roughly the same.

I'm sure there are scenarios you have that this doesn't cover, but this does seem to cover a lot and we don't have to change our file format. We definitely can't have two representations of the same data in the file since the file would bloat and it would be susceptable to corruption. We cut this exact thing from the web components because of that risk. We lost our downlevel browser story which is absolutely super important to us and customers.

I think it is a little unfair to route this request the way you did. We might just disagree on the priority or the way to get things done. We have added a completely new data access infrastructure in every release of Office since I've been here, and we've yet to get much payback and the investment has been huge (in fact, data access has been the highest investment measured by headcount for Office 2000).

We're totally open to cooperating and trying to do cool things. There is probably a better process than cc'ing me on a request to bill.

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----Original Message----From: Adam Bosworth

Sent: Thursday, January 28, 1999 9:05 AM

To: Bill Gates; Eric Rudder

Cc: James Utzschneider; Steven Sinofsky; David Vaskevitch; Richard McAniff; Brian MacDonald; J Allard

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Please consider these ideas as the next version of Office is planned.

Steven Sinofsky

Sent:

Thursday, January 28, 1999 4:24 PM

To: Subject: Richard McAniff RE: Leveraging Office

Let's reserve judgement :-)

----Original Message----

From: Richard McAniff

Sent:

Thursday, January 28, 1999 4:18 PM

Steven Sinofsky To:

Subject:

RE: Leveraging Office

very good email.

-- Richard

Sent with Office Beta 2

----Original Message----From: Steven Sinofsky

Thursday, January 28, 1999 6:20 PM Sent:

Richard McAniff To:

Subject:

FW: Leveraging Office

trimmed down the to line to get rid of davidy

----Original Message----From: Steven Sinofsky

Thursday, January 28, 1999 10:18 AM Sent:

Bill Gates; Jon DeVaan; Bob Muglia (Exchange) To:

Cc: Eric Rudder

Subject:

RE: Leveraging Office

We want to talk about all of these. I was hoping for a small meeting on the 10th but this seems to have gotten a little larger and more formal which will make this more of a challenge for all of us.

I am concerned about planning the timing of the next release. We're working on this every day. I just don't want you to feel that there is a clear path to getting everything shortly. It is very complex to think about releasing any release of Office (customer churn, quality issues, expectations, etc.), and the shorter time frame the less we can do--and the less we do the fewer people will work on it (which means that we get less, and then have parallel development to deal with which risks us being out of sync with Platinum+ 1). This is only one perspective and I really just need you to be open minded because purly from a planning process we're not there yet on what a platinum wave means or when it is. We want to be, but it is much easier said than done -- especially to do it in a way that gets us in the Notes game in a measurable way and justifies the customer downsides of a release of office on the heels of 2000 (say less than 15 months from now).

That said...

We're totally in sync on exploiting platinum. The number 1 priority for the next release will be going head to head with Notes. We will make outlook something that we can demonstrate with a straight face to a customer considering Notes. This is a HUGE amount of work--we are 10 years behind. To date we have spent lots of time trying to outflank Notes and use lots of pieces. I want to propose that we go after the Designer/Domino head-to-head, feature-for-feature. This will mean we use up a lot of time/developers "catching up" but I think we have no choice. I am comfortable doing this if we can go into this knowing it will take several releases. I think we need to do something radical, yet straight forward. Taking the Designer and making sure we can do those things more simply in Outlook (offering a way to hide the design tools for non-power users) is something I understand sort of.

To the degree that Platinum runs on servers at MSN or on ISPs this work gets totally leveraged of course.

I will try to spend time on this on the 10th, but our thinking on the server side of things is that it will be very hard to be optimalwhere optimal is defined as work only on Platinum. There are many issues to deal with and we want to please the most customers possible. If you think of the way server stuff is done in reality today (pending the increase in platinum use) there are very different customers, scenarios, and implementations:

> HIGHLY CONFIDENTIAL

MS/CR 0015480 CONFIDENTIAL. LORG Groupware -- this is the Notes space. These servers are run by IT people. There are developers and IT managers. The tools are full client/server and do very rich things. This is the target for Outlook+Platinum, with the rest of Office and VB as points of strength. The main scenarios are mail, calendaring, and "notes applications". We will start going head-to-head this release and measure ourselves by how well we can be a dev environment and have end-users do template based work--this will be an enormous effort and take several releases.

ISPs — this is the FrontPage/Unix space. The servers are run for a significant monthly fee. There are datacenter people but the opportunities for development are much smaller — in some sense the ISP is an ISV who assembles offerings (i.e. they want FP to support commerce). This is a huge asset for us since it allows people wishing to create a web presence to use office. If the webservices (next) get rich enough they could squeeze out office, but given the flexibility and richness of managing a FrontPage web this is a longer term risk for anything more than a few pages. Today ISPs prefer the Unix extensions since they prefer to run Unix—we have both and continue to since I think absent the ability to change the server OS we'd rather have people be able to save their documents.

MSN/HotMail/Services -- this is the service space. These offer much more directed services with little or no customization. These are things that you can decide to use in 2 minutes and stop using in 5 if you choose. They are getting much richer and we want to be in this space. I don't think it is realistic to have the frontpage code run on MSN for two reasons -- first it is a different feature set than these provide (it is for web authoring, not quick communication, community, or support for roaming/sync data) and second, MSN is not an ISP but just a web service. I realize this is a fine distinction but it is really about how you approach the relationship and the software I can use. MSN will have to provide almost exclusively an out-of-the-box experience since that is the only way to have mass appeal and be scalable and reliable. We are going to work with MSN and come up with a set of features that will be Office-specific when we release.

Now the challenge we face is that it seems like we're doing the same thing 3 times. I think we can manage that, but I want to be realistic about the customer scenarios and marketplace. We can make the bet exclusively on Platinum, but I think we'll miss out on the chance to cement leadership (with FrontPage) or lead in a new area of services. It seems unlikely that we will be able to get broad ISP support for Platinum in the next 24 months--broad enough to counter the increase in users going to all of the alternative community sites. My ISP, for example, has NT but charges twice as much and probably has 200:1 unix:nt in their customer base (they have 100,000 customers that get 30MM hits a day, hosted on probably 15 Sun boxes--not sure how much NT, but it could be equal).

We would spend a great deal of effort to have a common feature set across these — for example the absolute minimum is that file open/save is the same (with Platinum obviously being a superset) and we would have the same look and feel for all our created HTML pages. If we did the work, we would syncronize handheld data the same on MSN as on Platinum. Those are examples. There are some specific value added things in each area:

* Platinum/Outlook -- this is the full development/customization environment. It relies a lot on IE5. It makes it easy to create a tracking list or an end user could create a form and folder from scratch as easy as they can in Notes. Workflow is in here because of the platinum store. This is a monsterous amount of work.

* FrontPage – fastest way for a person to become a .com site. This is essentially the full roll your own case. ISPs are the primary target though for non-exchange customers this is our primary entry into the corporation. Mail is provided by the ISP and is used only at the basic SMTP/POP3 level. Customers are creating lots of pages/documents and are publishing. There is collaboration, but in a way more like "I write this for all of you to read".

* MSN — this is the community, roaming, lightweight service for anyone/anywhere. You can save office documents (share them?), sync your schedule (share it?), and do msn community things. You can do something like create your own distribution list or phone book.

This trichotomy absolutely does not preclude Platinum and NT from totally dominating — and if they do it is a total win for us. The pragmatic view is to invest in FrontPage because it is a tremendous ISP asset and in MSN because I don't think Platinum will be there in the time frame you want. I personally think all three will coexist for a long time because of the differences in customers (the IT manager, the ISP, the end-user).

Well, I'll give explaining this a shot in a couple of weeks.

In terms of data -- we already do a lot of what adam says but without XML. It really isn't a big leap to assume that if a component produces XML (say the server) it can also produce a plain HTML table view. That is easy for us to consume and very universal. I'm sure there are scenarios where the XML provides additional functionality, but I am leary of changing our file format unless we can clearly articulate the benefit. We're totally open, but worried about the format issue and the churn. Adam and I might just differ on this and we'll just work through this to do what makes sense.

Nevertheless, we will definitely be focusing Access on SQL. We made some progress but we have lots left to do. A key part of this mission will be to understand and make real the schema work--but only to the degree that we can do this without churning the OLEDB infrastructure. If we have to take on yet another data access story we should rethink things--we can't afford to do this again for more ways than I can count. We definitely want some significant ERP progress from Excel and Access and if we can use the schema stuff to get us there that is excellent.

HIGHLY CONFIDENTIAL MS/CR 0015481 CONFIDENTIAL You can think of Access/Excel as the partners with ERP and the competitors to Oracle. Outlook competes with Notes. Word, PowerPoint, FrontPage are the unique assets for creating information, which no one else does (ok we have three -- a little humor this morning).

NetDocs is a big topic and I've used up by quota for the day.

----Original Message-----

From: Bill Gates

Sent: Thursday, January 28, 1999 9:26 AM

To: Jon DeVaan; Steven Sinofsky; Bob Muglia (Exchange)

Cc: Eric Rudder; David Vaskevitch; Richard McAniff

Subject: FW: Leveraging Office

There are three topics we might want to brainstorm sometime:

- a) Office exploiting Platinum to lead in Collab including Platinum as an Internet service. This requires a strategy for annotation/community some of which Darryl has written about.
- b) Office and our plans to be the leader of a parade in how people handle data/metadata. This is still quite vague but is the thing I want to make real to have something from Microsoft more relevant than JAVA. Is there something simple we could do in the Platinum release? Does it relate to the "Notes development competitor" environment?
- c) A discussion about Netdocs

I am not sure what we should do in any of these areas but I would love to brainstorm about any of them.

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Cc: James Utzschneider; Steven Sinofsky; David Vaskevitch; Richard McAniff; Brian MacDonald; J Aljard

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Please consider these ideas as the next version of Office is planned.

Steven Sinofsky

Sent:

Thursday, January 28, 1999 10:14 AM

To:

Jon DeVaan

Subject:

RE: Leveraging Office

I won't touch netdocs :-)

----Original Message----

From: Jon DeVaan

Sent: Thursday, January 28, 1999 9:55 AM

Steven Sinofsky To:

Subject:

FW: Leveraging Office

I think the most screwed up thing in this list is Daryl and collaboration, and platinum as an internet service. My two main points on that one are Daryl doesn't know what he's talking about and until we get Platinum v. Notes right we're frittering away our time on the other thing.

A close second is NetDocs with Trident as the universal data structure. My major points there are: HTML is a file format, Trident is a renderer and runtime, NetDocs is not baked enough.

The data thing I actually think is an opportunity. I don't know how we'd express it in Office. My worry, as I'm sure yours is that if it keeps us from finishing SQL/Oracle stuff then it could be trouble. On the other hand, I think we could bring a huge amount of ease of use to connecting different things together which could be a real coup. This fits nicely with ERP integration, as long as we do some as opposed to endless framework work.

Jon

Created with Word and Outlook 2000 Sent by Exchange Server 5.5

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From: Bill Gates

Sent: Thursday, January 28, 1999 9:26 AM

To: Jon DeVaan; Steven Sinofsky; Bob Muglia (Exchange)

Eric Rudder; David Vaskevitch; Richard McAniff Cc:

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MS/CR 0015483 CONFIDENTIAL

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Steven Sinofsky

Sent:

Thursday, January 28, 1999 9:45 AM

To: Jon DeVaan

Subject:

RE: Leveraging Office

I'm going to answer this. I want david to go away.

----Original Message----

From: Jon DeVaan

Sent: Thursday, January 28, 1999 9:42 AM

To: Steven Sinofsky

Subject:

FW: Leveraging Office

Well, at least we're on the to: line

Jon

Created with Word and Outlook 2000 Sent by Exchange Server 5.5

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Sent: Thurs

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> HIGHLY CONFIDENTIAL

MS/CR 0015486 CONFIDENTIAL

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To:

Jon DeVaan; Steven Sinofsky; Bob Muglia (Exchange)

Cc:

Eric Rudder; David Vaskevitch; Richard McAniff

Subject:

FW: Leveraging Office

There are three topics we might want to brainstorm sometime:

- a) Office exploiting Platinum to lead in Collab including Platinum as an Internet service. This requires a strategy for annotation/community some of which Darryl has written about.
- b) Office and our plans to be the leader of a parade in how people handle data/metadata. This is still quite vague but is the thing ! want to make real to have something from Microsoft more relevant than JAVA. Is there somethign simple we could do in the Platinum release? Does it relate to the "Notes development competitor" environment?
- c) A discussion about Netdocs

I am not sure what we should do in any of these areas but I would love to brainstorm about any of them.

-----Original Message-----

From: Adam Bosworth

Thursday, January 28, 1999 9:05 AM Sent:

To:

Bill Gates; Eric Rudder

Cc:

James Utzschneider; Steven Sinofsky; David Vaskevitch; Richard McAniff; Brian MacDonald; J Allard

Subject:

Leveraging Office

You mentioned in the last review your desire to leverage Office as a way to view/manage all this information flowing around the web. I heartily concur. I'd like to just make two points:

- 1) If Office itself were a valid XML format (meaning that our XML parsing component could read in any Office document and create any XML document) then it would be easy for middleware applications to dynamically pull key data out of office to move around the web and to dynamically construct office documents from that key data. Remember, our components are designed to run fast and lean on the server. For example, given some medical data, I could directly build the spreadsheet to view it. I wouldn't have to have Plato and pour data into it. I could just build the right spreadsheet. This is a much easier and lower-tech way for our customers to use Office to both view XML and to act as an XML source than one that requires our custom stores to talk to Office through OLE DB. It means even Unix Servers can and would build Office documents and treat them as sources of data. We're 95% of the way there in office today. I strongly advocate a public commitment to get to the last 5% in the next release. I think you'd be surprised how much good-will this would get us and how much it would cement Windows as the client.
- 2) Office does need to start thinking about consuming XML as a data source. XMI innately provides object state and semistructured state, not just tables. Our tools right now (Access and Excel) are totally focused on consuming tables. In my opinion, this is a two-tier model and will be increasingly less relevant over time. I want to be able to use Excel to point via a URL at any XML provider anywhere and load in the information. We could easily push annotations to the schema of documents to describe how to do this (we deliberately made the schema extensible) and/or build XSL style sheets to pour the XML into Excel. Similarly, I want Access to dynamically build the right UI for viewing the XML data through Forms so that I can scroll through interesting parts of the data, find things, sort by elements, and so on. Ideally, Access would leverage our in-memory data-set of XML to the hilt.

Please consider these ideas as the next version of Office is planned.

Thanks Adam Bosworth

> HIGHLY CONFIDENTIAL

MS/CR 0015489 CONFIDENTIAL

Steven Sinofsky

Sent:

Thursday, January 28, 1999 9:17 AM

To:

Jon DeVaan

Subject:

RE: Leveraging Office

I already asked about the fact that XML is just another format of HTML.

I would say the reverse is also true--if someone can spit out XML they can certainly spit out a table. In the end you're not going to send a full relational set of tables over the wire, but just a view. A view is always a flat table.

----Original Message----

From: Jon DeVaan

Sent: Thursday, January 28, 1999 9:14 AM

To:

Steven Sinofsky

Subject:

RE: Leveraging Office

#1 is already happening since HTML is just as easy if not more so for servers to create (I showed this at ShowCase using DataChannel as the company). #2 probably makes sense.

Jon

Created with Word and Outlook 2000 Sent by Exchange Server 5.5

-Original Message----From: Steven Sinofsky

Thursday, January 28, 1999 9:06 AM Sent:

Jon DeVaan To:

Subject:

FW: Leveraging Office

I'm glad yet another person views office as their play thing.

I like that we're cc'ed on this.

--Original Message----From: Adam Bosworth

Thursday, January 28, 1999 9:05 AM Sent:

To: Bill Gates: Eric Rudder

James Utzschneider: Steven Sinofsky; David Vaskevitch; Richard McAniff; Brian MacDonald; J Allard C¢:

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Please consider these ideas as the next version of Office is planned.

HIGHLY CONFIDENTIAL

MS/CR 0015490 CONFIDENTIAL Thanks Adam Bosworth

HIGHLY CONFIDENTIAL

MS/CR 0015491 CONFIDENTIAL

Steven Sinofsky

Sent:

Thursday, January 28, 1999 9:13 AM

To: Subject: Adam Bosworth RE: Leveraging Office

Can't anyone that can consume XML also consume an HTML table—there seems to be only small differences in the ASCII representation. In some sense you're asking us to change file formats which is an extraordinary risk.

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Sent: Thursday, January 28, 1999 9:05 AM

To: Bill Gates; Eric Rudder

Cc: James Utzschneider; Steven Sinofsky; David Vaskevitch; Richard McAniff; Brian MacDonald; J Allard

Subject:

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