

Microsoft - 11/9/95

To Maritz
 To Marshall Brunner
 To Brian Moran - IHPIC Prod Mgr
 To Craig Freibig

Gill
 Maritz
 Anastas
 Weinrib
 Dave Haight
 Landsman

→ Gill: Operating Principles, etc.

→ TOP 5 (Platform)

- RT Services in Win '95/NT
- 3D
- DMA
- USB
- Video Capture

→ TOP 5 (Inst/Apps)

- RT Protocols
- App Sharing
- Data Security
- Broadcast Internet
- AOLAC (& MSN)
- ISDN

】 → App Sharing → * Maritz - will disturb them
 get them to be more
 Internet - conciv
 → ProShare on NT -



→ RT Protocols

→ RTP → Focused on multicast - have we
 done anything to optimize S/Point-to-Point?

→ We'll do Index 4.1 to make sub-band
 codec available



→ Planning to implement RSVP & RTP implementations
 "next year" → "roughly middle of the year" ~~late '96~~
 → interested in pushing in Multicasting
 → important for cable & satellite

→ NDIS 4.0 work → Proceeding ↗ DOK w/ Cairo
 → Rev... C: 2001 for Interactive TV etc. (late '96)

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(AC) Abel w to get together w/Dave Thompson

```

graph LR
    A[→ {Rashid@  
microsoft.com}] --> B["* Craig  
Mundie"]
    A --> C["* Rick  
Rashid"]
    A --> D["* Paul Leach  
CSD - Technology  
of Broadcast, etc"]
  
```

✓ E Tiger going out w/ Real-time Shift on the Internet next month
 → uses custom protocol (for audio.)

→ Don't want to use RTP for video
→ No vested interest in RTP-like stuff

Maritz: Internet Overview

→ "We're threatened by the Internet"

→ Approach

Approach → Entrance / Exit/ Change
(the nature of the
Internet experience)
"Clone unashamedly"

2 Credit

→ "Clone everything of importance"

→ "Keep [the browser] a commodity"
- no loyalty in users, they'll flip
browsers

- keep [the browser] a commodity
- no loyalty in users, they'll flip
browsers

- "Netscape is nothing but proprietary extensions" — NS will copy everything? "lies it"

- Unify Browser w/ Shell/05

— have common viewers/transcs part of windows

- common framework for multiple servers/services

- trouble viewers (routine w/ windows
 - 1 hour + "Office" Viewers

→ use ~~OLE~~ to post in related viewers

→ view-only apps available free

- "Co-opt 'page-view' as standard view for local and remote info"

→ Framework

→ name resolution / access

→ service / security

→ services

→ Had meeting last week w/ all browser vendors except Netscape

HTML page-like view for file mgmt, etc

→ Releases every 4-6 months

- IE Explorer 2 - now

- " " 3 Q1/92

4 - Q2/93

→ "Standards"

- Framesets — "Left Pane/Right Pane"

- JavaScript — "Co-opt Java"

→ Value-Added Extensions

- OCX hosting

- Doc Obj

- Shell Integration

- VB Scripting / Sandboxing

- Secure Download

- Conferencing / Phone → Data sharing / IPhone

- RTF extensions in HTML → "Kill HTML"

- Layer 1 Forms Runtime

by extending
it

inline
code
inside
a
page

Looking @
Sandboxing
of binary
code

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* Server - "Gibraltar"

- MS extensions
 - Blackbird Store, Office Dir Agent, SQL, Exchange, ... (Connectors)
- Std Protocols
 - FTP, HTTP, Audio/Video
- Base Server
 - All on top of NT Server / Back office

2

• Electronic
Retailing
Services
(SRS)

* Tools

- Redirect authoring environments to "IHTML"
 - ex "Focus³" project → IHTML++

2 (only presented 9 of 12 foils)

2 more foils

* Change the Internet Experience

- 2 Object models
- 2 Beyond HTTP/URLs → Hyper-G
- 2 Integration w/ voice/Video/Telephony
- 2 3D
 - Will be taking Talisman to standards bodies, etc.

- + "Platform Battle - will fight with both Apps and Systems across"

"Will fight Internet battle w/ MS Content
in all Windows as 1 Platform"

Maritz ↗

↳ Joint efforts - voice/video/telephony

↳ we should follow up on this

* Java - Maritz

- 2 uses:

• Netscape → small experiments w/in LiveScript
in Netscape 2.0

• Sun → Java OS to replace both Win
and Netscape

→ Decent development environments (like
Vi Basic) needed

→ May need to clone Java, but

→ Need to get OCXs implemented

→ Battle will be:

- Netscape LiveScript vs. VB ↗ and putting
- Sun Java vs. OCXs if on Mac

→ Maritz: "Can't deny Java"

→ 80-person Developers Conference last week
→ Intel didn't get invited

* Maritz ↗ "Java component model - we should try
to keep it from getting established"

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- * Gill → Intel feels Java has potential,
going to invest in it
 - a private lab activity

* Maritz → "We should do it with VB
instead ... but don't know
how we could help"

"Also help evangelising our work"

* Maerz → ~~Internet~~ Server

→ Gill: frustration over not being able to get OEM NT license

* Intercast

→ Meritz: Direct TV PC w/ Gateway
→ MS would get access to BTS (6 Mb/sec)

→ General-purpose infrastructure for broadcast data

\hookrightarrow handed to
content group

Reuse of Protocols

 MS will do stock & Direct TV

Intel can do VBI stack

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→ Get capability into Intel explores

* ↗ Backend Server/Sequencers
↗ Have discussion about MS doing this

* Bryan ↗ Server
• Evangelize PC as receiver of video services

* ↗ InterCast → Intel + MS decide what to do along
Plug-n-Play model

Brian Moran ↔ Mike Richmond
Checkpoint w/ Maritz & Gill in ~ 1 month

↗ IHPC: Gateway is ~ \$3k price-point
w/ 35" monitor & DDS
↗ Hope to ship next year

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↗ Direct TV engagement

↗ Combine into video + web experience

↗ Building generalized "policy list" implementation
→ SW download
→ Stock tickers
→ Web ---
↗ subscriber mgmt
↗ security

* DOJ Deposition / Discovery - 10/31

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