

This is the (poor quality) transcript from the march 6, 2023 meeting. Send LispCore (or me privately) your thoughts on how or whether we should do this instead of, in addition to, or not any (continue recording video)? Should we try to correct it? Try out different caption generation tools?

[Ron Vincent Aspuria] 10:24:11
Hello! Larry!

[Larry Masinter] 10:24:17
Yeah.

[Larry Masinter] 10:25:25
The slides. This is a backup for the demos.

[Ron Vincent Aspuria] 10:25:33
Right.

[Larry Masinter] 10:25:42
I've been thinking that maybe we could run instead of any size.

[Larry Masinter] 10:25:48
Your presentation. We have something in in medley rate of program to run someone through the Demos.

[Ron Vincent Aspuria] 10:26:01
I could spare.

[Ron Vincent Aspuria] 10:26:03
I was wondering how that would be. But yeah, that would be cool.

[Larry Masinter] 10:26:07
Hey? Cause we we can open up if you could just give a URL until Limited.

[Larry Masinter] 10:26:14
The Linux Center to open up the browser on the users.

[Larry Masinter] 10:26:20
Machine, and we could do several things like that.

[Ron Vincent Aspuria] 10:26:24

Oh, I see!

[Larry Masinter] 10:26:26

I'm running the experiment, the live Transcript.

[Larry Masinter] 10:26:31

Of of our talk. Do you see it?

[Ron Vincent Aspuria] 10:26:34

Oh, right! Let's see. Show captions. There you go!

[Ron Vincent Aspuria] 10:26:38

Yes, I do see.

[Larry Masinter] 10:26:39

That's pretty cool.

[Larry Masinter] 10:26:43

That's better than trying to run it through Premier, after the fact.

[Larry Masinter] 10:26:47

Hey, anyway?

[Larry Masinter] 10:26:55

I like.

[Larry Masinter] 10:27:00

Alright, so!

[Larry Masinter] 10:27:03

This?

[Larry Masinter] 10:27:09

It screws up the formatting. Yeah.

[Larry Masinter] 10:27:58

Yeah, I didn't know how to fix this.

[Larry Masinter] 10:28:02

That's good.

[Larry Masinter] 10:28:05

Anyway, we have some visitors today.

[Larry Masinter] 10:28:09

We have. Some people might be joining the project.

[Ron Vincent Aspuria] 10:28:14

Oh!

[Larry Masinter] 10:28:16

I have. Gavin will come back.

[Larry Masinter] 10:28:21

Hello, Bella!

[Paolo Amoroso] 10:28:23

Hello!

[Larry Masinter] 10:28:24

How are you today?

[Larry Masinter] 10:28:30

Just preparing this. They have a bunch of people who my 2 up today I think it's all due to your blog post and Frank's ability.

[Larry Masinter] 10:28:44

Oh, first, we got online online was a real breakthrough.

[Larry Masinter] 10:28:48

It'll be cool to try it with that. Worrying about a messaging up anything on the machine just sending it in a browser, and that was.

[Larry Masinter] 10:29:01

And then we needed some pioneer like you to to try it out and and find that it kind of works.

[Larry Masinter] 10:29:08

And this is crash too often.

[Paolo Amoroso] 10:29:12

It's perfect. They online version, it's much faster.

[Paolo Amoroso] 10:29:18

And more stable than the Linux version I use on micro books.

[Larry Masinter] 10:29:26

Good.

[Larry Masinter] 10:29:32

So I'm trying to experiment today. Apparently this is a new feature of zoom that it does online.

[Larry Masinter] 10:29:42

As you go, captions!

[Larry Masinter] 10:29:54

So do you see the captions?

[Michele Denber] 10:29:56

No!

[Paolo Amoroso] 10:29:59

Not yet, but I've seen a warning that the captions were being Jonathan Hughes.

[Michele Denber] 10:30:06

Oh! Oh!

[Larry Masinter] 10:30:09

Hey! Hi! This is Gavin! Good!

[gavinok] 10:30:13

Hi! Everyone.

[Larry Masinter] 10:30:16

So this, this is, this is great. If we have online captions.

[Larry Masinter] 10:30:23

Not even record the video.

[Larry Masinter] 10:30:27

The captions are enough, and then people don't have to worry about how they look.

[Paolo Amoroso] 10:30:39

Perhaps we have to click the CC. Icon in the lower toolbar to see the closed captions.

[Larry Masinter] 10:30:47

Yeah.

[Larry Masinter] 10:30:58

Uhhuh.

[Michele Denber] 10:30:59
Did that do it? Check? 1, 2, 3!

[Michele Denber] 10:31:04
Yup, that works. That's pretty cool.

[Larry Masinter] 10:31:06
Yeah, that's really, it's great.

[Larry Masinter] 10:31:11
I will let me see if she is screen sharing.

[Larry Masinter] 10:31:15
It's in the way.

[Larry Masinter] 10:31:49
So this is just some things that we might want to demo.

[Larry Masinter] 10:32:10
Who may wanna just clip from video.

[Larry Masinter] 10:32:17
Okay, guys, and he says, anyway, let me not. It's distracted and opened up.

[Larry Masinter] 10:32:34
The.

[Larry Masinter] 10:33:00
There you go!

[Larry Masinter] 10:33:05
So!

[Larry Masinter] 10:33:13
We're expecting some newcomers and visitors.

[Larry Masinter] 10:33:18
I see John Corbett to pronounce right.

[John D. Corbett] 10:33:23
Oh, Corbett!

[Larry Masinter] 10:33:27
Hey!

[John D. Corbett] 10:33:33
Nice to see you again.

[Larry Masinter] 10:33:41
Good.

[Larry Masinter] 10:33:46
So that's the day we were just to this time.

[Larry Masinter] 10:33:51
So I thought we would. Then, Kevin. Anyway, we do round table.

[Larry Masinter] 10:33:59
Let people introduce themselves again, or for the first time, and go around that way.

[Larry Masinter] 10:34:12
So I'm not recording video. I'm just recording the transcript of the meeting.

[Larry Masinter] 10:34:19
That's pretty cool.

[Larry Masinter] 10:34:22
Okay.

[Larry Masinter] 10:34:25
So so, John, how about you stirring and introduce yourself?

[John D. Corbett] 10:34:31
Okay. Hello. Everyone. I'm John Corbett. I got introduced to the D machines in Pittsburgh, Pennsylvania, at the Learning Research and Development Center, where we were working on intelligent tutoring systems.

[John D. Corbett] 10:34:47
And I was focused in particular, on direct manipulation user interfaces created using direct manipulation.

[John D. Corbett] 10:34:53
Later I worked at PARC for a while around the time when they were decommissioning the dorados.

[John D. Corbett] 10:35:00

I had Coriander for a while, and then the macintosh running Common Lisp. I recently rediscovered Interlisp through interlisp.org. And I've been trying to build a little demo.

[Larry Masinter] 10:35:14

Great.

[Larry Masinter] 10:35:17

So how about you, Tom? You wanted it. Introduce yourself.

[tomwinans] 10:35:25

Sure my name is Tom Wyan, and it's a pleasure to meet all of you.

[tomwinans] 10:35:30

I met interlist through a mutual friend that came from Park a long time ago.

[tomwinans] 10:35:41

I work with venture capital companies, and I do tech diligence work.

[tomwinans] 10:35:47

Prior to that I had the good fortune to cut my teeth on symbolics and some small talk stuff.

[tomwinans] 10:35:58

It's been a long time, so I acknowledge my the time between them.

[tomwinans] 10:36:06

And now. But I'm a list, fan, and thank you very much for inviting me to come.

[tomwinans] 10:36:12

Larry!

[Larry Masinter] 10:36:12

They're great. But we have a lot of people in the same situation.

[Larry Masinter] 10:36:18

I would 20 years without thinking about. Are you using this? Said maybe Max List, and so it's taken me really 2 years if you have this fluid is that it used to be, hey?

[Larry Masinter] 10:36:37

So it's a learning experience. But then, yeah, Hello.

[Paolo Amoroso] 10:36:49

I'm also I'm a hobby programmer.

[Paolo Amoroso] 10:36:55

I when you were the developing interleaved, but mainly at Park. I was a hope, mister, trying out my first home computers as edx spectrum as inclus spectrum. And I have always remained a computer in 2 years. Then I hope the programmer. I never.

[Paolo Amoroso] 10:37:20

Coded the professionally, or had the professional. It roles.

[Larry Masinter] 10:37:24

Hey? And you're in Milan.

[Paolo Amoroso] 10:37:28

Yes, and I always mean I have always been interested in at least the scenes of being introverted to scheme at the computer science class.

[Paolo Amoroso] 10:37:42

I read quite a lot, never had the opportunity of trying this machine.

[Paolo Amoroso] 10:37:49

And now I got in ring when and they, already discovering the medley project.

[Larry Masinter] 10:37:56

Great Gavin, what do you introduce yourself?

[Gavin Jaeger-Freeborn] 10:38:04

Hi! Everyone! I'm Gavin, I do. I'm a university student up in Canada.

[Gavin Jaeger-Freeborn] 10:38:12

I programmed in common list. A bunch in my free time, and like for one of my jobs that I had, and then I make Youtube videos on similar concept to similar degree, and Larry reached out to me about the project.

[Gavin Jaeger-Freeborn] 10:38:25

And then I started looking at it. I started getting really interested, thought it was really cool.

[Gavin Jaeger-Freeborn] 10:38:29

So I kind of wanted to just see what I could learn.

[Nick Briggs] 10:38:32

Sure!

[Gavin Jaeger-Freeborn] 10:38:33

But the same way I have to like realize that I'm kinda out of the loop on a lot of the more specific stuff.

[Gavin Jaeger-Freeborn] 10:38:39
But yeah, nice to meet you all.

[Nick Briggs] 10:38:40
Whereabouts in Canada. Are you?

[Larry Masinter] 10:38:41
Hmm!

[Gavin Jaeger-Freeborn] 10:38:44
I'm in British Columbia. I live in Victoria, Vancouver Island.

[Nick Briggs] 10:38:47
Okay, yeah, of course.

[Gavin Jaeger-Freeborn] 10:38:48
You guys know where that is?

[Larry Masinter] 10:38:49
Yeah, yeah.

[tomwinans] 10:38:49
That's an ugly place to live. Sorry. It's a terrible.

[Larry Masinter] 10:38:53
And.

[Gavin Jaeger-Freeborn] 10:38:53
It's nice getting sun.

[Larry Masinter] 10:38:55
Right.

[Nick Briggs] 10:38:55
I lived in Calgary from 67 to 70, and then Ottawa from 70 to 84, and I have cousins on Vancouver Islands, so.

[Gavin Jaeger-Freeborn] 10:39:08
Nice. I'm actually from Calgary myself originally, but moved here, cause it's warmer.

[Nick Briggs] 10:39:11
Yeah, yeah.

[Larry Masinter] 10:39:15
It wants to go next.

[Nick Briggs] 10:39:20
Pick someone, Mary.

[Larry Masinter] 10:39:23
Hi Ron Vincent!

[Larry Masinter] 10:39:27
Is that? Is there that the right name, Jake? Are you around Vincent or Ron?

[Ron Vincent Aspuria] 10:39:32
Right that works there all right. Well, Hello, everyone.

[Ron Vincent Aspuria] 10:39:36
Thank you for your time. My name is Ron Vince.

[Ron Vincent Aspuria] 10:39:38
As for you, I am a college student at California State University, China Islands.

[Ron Vincent Aspuria] 10:39:44
I'm currently working with Dr. Eric in the shift group.

[Ron Vincent Aspuria] 10:39:51
S. H. Ft. Which stands for software history, feature, technologies, and similar to Larry.

[Ron Vincent Aspuria] 10:39:58
We were a group focusing on bringing back previous software is like adobe flash which has been discontinued.

[Ron Vincent Aspuria] 10:40:07
So we're we're research group that's focusing on bringing back and researching characteristics of those previous software that have been unsupported or discontinued.

[Ron Vincent Aspuria] 10:40:19
I'm currently working with Larry right now, and we are creating student-produced Demos to help showcase our shirt.

[Ron Vincent Aspuria] 10:40:27

Certain features of such as such as you know, moving windows and all that stuff, basic features that people are able to get into with intimately online.

[Larry Masinter] 10:40:39

As having Gavin could work with you to do, and and you might want to communicate directly. Hey?

[Larry Masinter] 10:40:45

Because he has a lot of experience. Pretty good that gather a lot of viewers.

[Larry Masinter] 10:40:53

You had half a 1 million viewers of your Youtube channel.

[Larry Masinter] 10:41:00

So a lot of expertise.

[Gavin Jaeger-Freeborn] 10:41:05

Yeah, I can reach out to you. I think I saw I have, you see, an email.

[Gavin Jaeger-Freeborn] 10:41:09

So I'll reach out to you later.

[Larry Masinter] 10:41:11

Great Tim.

[Daly] 10:41:18

Yeah, I I've been a whisper for 52 years now.

[Daly] 10:41:26

I've worked on a lot of different lists, list systems.

[Daly] 10:41:29

I run across interlist an lbn research about the time to do what I mean.

[Daly] 10:41:36

Package had come out, and we played with that for a little while.

[Daly] 10:41:41

And then I moved on to symbolic machines.

[Daly] 10:41:46

At the moment my claim to fame, my guess is that I'm the lead maintainer on the axiom computer algebra system, which is about 1.2 million lines of list code.

[Daly] 10:42:01

And I worked on the early version of what's now known as New Common List.

[Daly] 10:42:07

I did things like work on the garbage collector and on tail recursion, for it.

[Daly] 10:42:15

It was called Akcl at the time with some work that was done in Ibm research.

[Daly] 10:42:24

And I ran across the interlisp thing on Hacker news and said, Oh, this is interesting!

[Daly] 10:42:31

I should learn more about this. So I'm trying to reach some of the code so that it can begin to understand what's actually going on I'm currently messing around in the virtual machine section on.

[Daly] 10:42:44

So I haven't actually gotten to the main piece yet.

[Daly] 10:42:50

Hey! Man!

[Larry Masinter] 10:42:55

Michelle.

[Michele Denber] 10:42:57

Hi! I wanna welcome all the newcomers here. It's good to see you faces.

[Michele Denber] 10:43:02

My name is Michelle Denver. I went to work for Xerox.

[Michele Denber] 10:43:05

In 1980, in Webster, where we did experiments in user interface design and also image processing with interestless D, and after that, in 1994, I moved to Kodak research labs where we continue using interlist doing natural language stuff like automatic caption generation

[Michele Denber] 10:43:29

for images and image quality, analysis, all in interlisp.

[Michele Denber] 10:43:37

And then I left there in 2,003 retired, and here I am.

[Michele Denber] 10:43:41

I've got a Xerox palto here at home that works.

[tomwinans] 10:43:44

Wow!

[Michele Denber] 10:43:44

I have a rocks. V. 0. Dolphin that almost works, and I've been working with Josh living computer museum to try to restore that and get that working again because it has a very old copy of internalism D on it including a color display which I think would be pretty

[Michele Denber] 10:44:06

cool to see working again. So that's what I'm doing these days.

[Larry Masinter] 10:44:13

Alright Matt heffron, and we're introducing each other.

[Larry Masinter] 10:44:22

Get a bunch of newcomers as you.

[Matt Heffron] 10:44:22

Hi, okay, Matt, her friend I work with analysts back in the end of that eighties.

[Matt Heffron] 10:44:36

Early nineties and developed to expert systems that ran on Ibm PC, that actually, well, one was a product on the other was supposed to be a product.

[Matt Heffron] 10:44:48

But the entire product line that it was supposed to support got dropped like a month before it was supposed to be released.

[Matt Heffron] 10:44:56

But both for head articles published. So I got started right after I with this group, right after I retired a year ago and discovered it, and decided to see if I could resurrect those systems, and I was actually able to get both of them running week or 2 ago

[Matt Heffron] 10:45:21

so I pass the information back on to the people at Beckman. Instruments.

[Matt Heffron] 10:45:29

We're I worked at the time, and hopefully we'll find out if they'll release the code to be released.

[Matt Heffron] 10:45:41

It's still their IP unofficial copy as sort of a digital pack. R.

[Larry Masinter] 10:45:48

Okay.

[Matt Heffron] 10:45:50

And I wrote some of the some of the some of the list library package is a few small ones and made changes to others.

[Larry Masinter] 10:45:58

Hey! We have the. It seems like a great time to hit the retirees.

[Larry Masinter] 10:46:07

Digital pack reds and they have applications that were written in to bring that forward.

[Larry Masinter] 10:46:14

No, it's just realizing how great that was. To be able to do that.

[Larry Masinter] 10:46:20

And frank.

[Larry Masinter] 10:46:26

Introduce yourself and.

[Larry Masinter] 10:46:32

You're gonna be muted still.

[Frank Halasz] 10:46:38

Sorry. Yeah, I'm frank. I worked at Park, starting in 79 or 80.

[Frank Halasz] 10:46:46

Can't remember exactly when in the group that did interest, although I never worked on it.

[Frank Halasz] 10:46:52

List core, back. Then I was responsible for a one of the principles of developing a system called note Cards, which was built entirely in Intelist B.

[Frank Halasz] 10:47:05

And was one of the very early, I guess I'd call it a second generation hypertext system.

[Frank Halasz] 10:47:10

Hypertext before there was a web.

[Frank Halasz] 10:47:18

I on the more modern Interlist project.

[Frank Halasz] 10:47:26

The interests.org. I have been well, I got no cards working again about 90 to 95%, and then I got intrigued with putting it online.

[Frank Halasz] 10:47:39

So other users could use it. Besides, the people who had the sophistication to put it on their personal machine.

[Frank Halasz] 10:47:49

So I created the note cards online. And from there we decided, I make that interlist online.

[Frank Halasz] 10:47:57

So I worked for a while on getting into list online, up and running, and which it is.

[Frank Halasz] 10:48:04

And then I've also been working on building installers for all of the major systems, so that it makes it much easier to install for a for a non developer user to install interlist on their machines, and that has LED to unbelievable journey into

[Frank Halasz] 10:48:27

the macintosh and windows, ecosystems, and I'm just about done with that.

[Frank Halasz] 10:48:36

And hope to get back to finishing reviving note cards and getting that a little bit modernized.

[Larry Masinter] 10:48:45

And I'm hoping that some of the areas where we've lacked expertise is we might find some people to.

[Larry Masinter] 10:48:53

How about those things? So if you, Guy, that'd be dashful.

[Frank Halasz] 10:49:00

Yeah. Well, if anybody understands the Mac and touch quarantine system, I'd love to talk to them.

[Larry Masinter] 10:49:08

Right.

[Daly] 10:49:09

Hey, Larry? One question that I like to inject.

[Frank Halasz] 10:49:10

It is.

[Daly] 10:49:15

I found this on Hacker news. If I posted something on Hacker news, who should I actually point on to?

[Daly] 10:49:22

Should I point there to you, or?

[Larry Masinter] 10:49:28

I'll take any. If they wanted to contact someone by email, we have a mailing list.

[Larry Masinter] 10:49:37

And I forget it was on, and I know I'm on it called info@interlist.org.

[Larry Masinter] 10:49:44

My hope is not to put myself as the unique contact point for anything.

[Larry Masinter] 10:49:51

Hey! And that's part of the the journey.

[Larry Masinter] 10:49:55

Here is finding people to share some of the responsibilities.

[Larry Masinter] 10:50:00

No single place of failure. Yeah, if they if it's hacker news, I'd say they should come in as we're over there.

[Larry Masinter] 10:50:16

So the preferable thing is at a github.

[Larry Masinter] 10:50:19

And then check it out and and it assign yourself an issue. And I'm not sure anyone have any better ideas.

[Larry Masinter] 10:50:34

I wanna be on the and if you wanna be on the info we haven't gotten a lot of the emails.

[Larry Masinter] 10:50:42

But anyway.

[Larry Masinter] 10:50:48

Not a great answer, but.

[tomwinans] 10:50:51

Well, there may be like a support, you know, the notion of a support desk as a or a mail group, just to see.

[Larry Masinter] 10:50:58

Yeah.

[tomwinans] 10:51:00

Maybe we can help to split.

[Larry Masinter] 10:51:03

Very early on in the project I was trying to stab out.

[tomwinans] 10:51:08

Yeah, yeah, that's fine.

[Larry Masinter] 10:51:09

The word supported right. You know we know that there are things that used to be supported.

[Larry Masinter] 10:51:14

We have all these user packages. We have live, we have the sources, library and users.

[Larry Masinter] 10:51:22

And internal, and they used to be 4 categories.

[Larry Masinter] 10:51:26

The things that went into the list. The things that people could load in afterwards, things that we didn't support.

[Larry Masinter] 10:51:36

But users contributed, and then things that we never released, and now they're all at this.

[Larry Masinter] 10:51:44

They're all directories, you say. Load the file.

[Larry Masinter] 10:51:47

And we've tried to avoid having the same file on more than one directory.

[Larry Masinter] 10:51:54

Hey? But right now it's labeled things that used to be supported.

[Larry Masinter] 10:52:02

It seems to be in the library in the, and it's that's why I call it info and support.

[Larry Masinter] 10:52:11

To avoid the legal liability.

[tomwinans] 10:52:16

Yeah.

[Nick Briggs] 10:52:17

So drop a note to info is probably the right thing, you know.

[Nick Briggs] 10:52:23

If you have something that that is better by email, drop a note to info, and we'll hear out who ought to be on there.

[Larry Masinter] 10:52:33

Right? Yeah, no. I'm happy to talk to anyone. So that would be.

[Larry Masinter] 10:52:39

And anyone who wants to be added into forget to anyone to admit to being on that list.

[Nick Briggs] 10:52:50

Don't remember who's on there.

[Larry Masinter] 10:52:52

Right? Well!

[Larry Masinter] 10:52:55

So we have a Google group. We have a good hope organization.

[Larry Masinter] 10:53:03

We have a 501 c. 3. With the board of directors, which has 3 people on it. Ron is the treasurer, is the secretary, and the purpose of that is that we could take 10 agents and maybe figure out a way to spin them.

[Larry Masinter] 10:53:28

Anyway? Who else is that? Introduced himself? Nick?

[Nick Briggs] 10:53:34

Yeah, Nick Briggs. I worked at Park from 1984 until a few years back, and my initial job there was, as the.

[Nick Briggs] 10:53:54

I guess they used to call me the Trillium Wizard.

[Nick Briggs] 10:53:59

I worked on user interface design tools. And I was hired by Austin Henderson, who invented the trillium user interface design tool.

[Nick Briggs] 10:54:17

And I was supposed to do community development and be the technical wizard for supporting the transition of that code from the research centers to the Users.

[Nick Briggs] 10:54:33

The actual users of the system. Back in Sir Rox Rochester, where Michelle was working on it.

[Nick Briggs] 10:54:43

So I did that, and then I move to other projects within Park.

[Nick Briggs] 10:54:52

A little bit of color display work on the I'm getting list to talk to the color displays on the dove and daybreak machines.

[Nick Briggs] 10:55:07

But that got cancelled. So then I moved on to printing and did us stuff that we sold this product out of the research center.

[Nick Briggs] 10:55:21

The the Doctorprint Nps series of printers driving, you know, up to 180 page minute, 600 spot, black and white printers with a commercial with some workstations as the print Controller, which was kind of fun.

[Nick Briggs] 10:55:39

Then I moved into networking, worked with Van Jacobson and bunch of other people on content centric networking, which is now.

[Nick Briggs] 10:56:02

It's now mostly academic work. It was National Science Foundation.

[Nick Briggs] 10:56:10

Future Internet, architectures. Grant that we were working on, and that's now visible in the open source community is named data networking.

[Nick Briggs] 10:56:25

And then somewhere in there Ron had pinged Ron Kaplan had pinged me about.

[Nick Briggs] 10:56:32

Running again, except on the Mac, and issues around 64 bit versus 32 bit architectures.

[Nick Briggs] 10:56:45

And so I did a little bit of work on that, and that left that for a while, and now I'm back.

[Nick Briggs] 10:56:53

Doing it all again, I guess.

[Larry Masinter] 10:56:59

Alright! Run!

[Ron Kaplan] 10:57:03

So save whatever it is for. Last. Yeah. Oh, okay.

[Larry Masinter] 10:57:06

Yeah, that's a very nice upper lap.

[Ron Kaplan] 10:57:11

I'm Ron Kaplan. I've been around for a while.

[Ron Kaplan] 10:57:16

So I started out and around 1969, 70 of a grad student at Bbn.

[Ron Kaplan] 10:57:27

And I had a little side job at Ppm. Using VPN.

[tomwinans] 10:57:27

Oh, my! Gosh!

[Ron Kaplan] 10:57:31

Versus which was my first exposure, and working a little bit with Danny Bakra and Warren Titleman.

[Ron Kaplan] 10:57:40

But professionally, I'm actually known, and most of my work has been in mathematical and computational linguistics and linguistic theory, and there was a linguistic project at Bbn that I was involved in when Danny and Warren and that trick Jerry Alkind

[Ron Kaplan] 10:58:02

also made the move to this new place called Park, and around 1972 they asked me to come along with them.

[Ron Kaplan] 10:58:12

I have no better option. So I did, although I think I started at Park.

[Ron Kaplan] 10:58:20

I was hired at Park in 72.

[Ron Kaplan] 10:58:21

I didn't arrive until 74, because I needed to finish my thesis.

[Ron Kaplan] 10:58:29

And I arrived without finishing my thesis. Still.

[Ron Kaplan] 10:58:33

So I spent the first couple of months finishing it off, which was actually in psychology psycho linguistics.

[Ron Kaplan] 10:58:40

So my interest originally was in using the system for linguistic modeling, and I graduate got sucked into underlying implementation issues, and as things were moving towards the alto list and Dorado lisp and so forth, I got more and more involved in the implementation over the years

[Ron Kaplan] 10:59:02

but I did, you know string processing and arrays some reading, writing, all sorts of things, device, independent graphics, whole bunch of stuff.

[Ron Kaplan] 10:59:18

So I was doing about half time implementation. I have time trying to be a user and building a parsing system for the series of grammar that I developed with some colleagues called Lexical Functional Grammar.

[Ron Kaplan] 10:59:35

Oh, fg, and so we built this Lft grammar writers, workbench, which was the first graphical tool for linguists, had a big splash in those days when everybody else had key ports and and tell types.

[Ron Kaplan] 10:59:53

And you know, with the around, with these Demos that had fancy trees and graphics, and so forth.

[Ron Kaplan] 11:00:00

So over time eventually became the manager, for of language, and AI at Park went off to do a startup.

[Ron Kaplan] 11:00:09

Based on that technology bought by Microsoft and couple of other transitions.

[Ron Kaplan] 11:00:18

And I finally my last job round line 2018.

[Ron Kaplan] 11:00:22

I left was as chief scientist from Amazon.

[Ron Kaplan] 11:00:26

Search, and when I went posting I was still working on some mathematical linguistic stuff that we were validating some theorems that were validating in the Lfg system.

[Ron Kaplan] 11:00:44

And so I got back into it, and it's been like being a grad student again.

[Ron Kaplan] 11:00:49

So it's kind of full circle, you know, kind of doing all these projects.

[Ron Kaplan] 11:00:52

Basically trying to do the modernization to make this environment kind of useful for people like linguistic community who are not really interested in lisp are not interested in learning all sorts of new old interfaces.

[Ron Kaplan] 11:01:15

So I got involved also in Toronto, with for example, a clipboard with shading nudos, a whole bunch of stuff like that, and the final thing I've been working on has been unicode and character encoding, and that LED me in to

[Larry Masinter] 11:01:26

Middle school.

[tomwinans] 11:01:35

Hmm.

[Ron Kaplan] 11:01:43

unraveling at it. No, I'm trying to re-ravel it and that's what I've been working on for the last couple of months.

[Ron Kaplan] 11:01:53

So that's my story.

[Larry Masinter] 11:01:55

Great.

[Larry Masinter] 11:02:01

I would say I need no introduction, but it's my own doing.

[Larry Masinter] 11:02:10

I didn't know I said list. I was in the bath department at Sanford.

[Larry Masinter] 11:02:19

And I. The draft came along and I got alternative service.

[Larry Masinter] 11:02:25

Yes, first we can, and for helping finding a job at the Stanford Hospital, because the draft board could approve the employer and not the job.

[Larry Masinter] 11:02:36

And I got a job programming in this on the Dendr project, and I worked on that for a while, but we were working on List 3 60, and it was very inconvenient.

[Larry Masinter] 11:02:50

I knew, so I added a 4 statement, and and the record package, hey, Jen, I showed this to our title and tried to get it.

[Larry Masinter] 11:03:02

We were moved to be the endless they should do Warren title and try to get these features in Lispenie hired me to work it back before I do.

[Larry Masinter] 11:03:10

You know, as a side job rather than was a grad student, and that turned into full time.

[Larry Masinter] 11:03:19

As a temporary employee at Park until 1919 70.

[Larry Masinter] 11:03:25

3 to 1980, when I finally to accept something I had done for interlist and made it into my thesis because I had been around for too long, and I had to get out.

[Larry Masinter] 11:03:39

So I was still. It mainly worked on the user interface.

[Larry Masinter] 11:03:44

They got into more parts of the system, and the D machines came along.

[Larry Masinter] 11:03:48

I worked on the microcode for the Dorado.

[Larry Masinter] 11:03:52

Of microcode, and which was transferred from the alto.

[Larry Masinter] 11:03:57

I worked on alto list for a while, but it was way too slow.

[Larry Masinter] 11:04:01

Every also had to be the had to give your out to a name, and so I named mine May Tag, because I thought it resembled.

[Larry Masinter] 11:04:09

Oh, the watching machine on this loaded machine, on spin cycle!

[Larry Masinter] 11:04:14

This?

[Larry Masinter] 11:04:19

And and the memory size was the problem on the all the machines.

[Larry Masinter] 11:04:27

It was expensive and slow now on modern machines it runs a 1,000 times faster.

[Larry Masinter] 11:04:34

Which is a real pleasure that you can. Hello! It's used to be an all day.

[Larry Masinter] 11:04:41

No, it takes 15 s. So even on the raspberry pi, so it's a different environment.

[Larry Masinter] 11:04:52

And I didn't. I had to 0 exponent in those is a separate company.

[Larry Masinter] 11:05:01

I didn't go. Oh, and I was in. It needed to work on something else.

[Larry Masinter] 11:05:07

I sort of were gonna documents and document management, because that was the and I had a system.

[Larry Masinter] 11:05:14

A project that I inherited from Mike Wiser to manage documents.

[Larry Masinter] 11:05:20

In a long-term mark, I'm sure, where the server could convert between multiple formats, and that was a fun project.

[Larry Masinter] 11:05:30

But this web thing came along, and that was interesting. Hey? And I wouldn't visited Tim.

[Larry Masinter] 11:05:35

Bernstein, hey? I was going to conference with Jeff Nunberg on the future of the book, and Grenoble.

[Larry Masinter] 11:05:46

Oh! And!

[Larry Masinter] 11:05:50

So, I worked on web standards. It worked as I, the common list standard. Hey?

[Larry Masinter] 11:05:57

Xvj. 13. I manage the cleaning committee that so I got involved in a lot of issues around common.

[Larry Masinter] 11:06:04

This, but I wasn't working on interest anymore, and other people were Pablo Curtis did the compiler.

[Larry Masinter] 11:06:12

They come in this compiler alongside the angelless compiler.

[Larry Masinter] 11:06:19

Anyway, I worked on so I wind up working on web standards.

[Larry Masinter] 11:06:28

Http. And ehg. Urls.

[Larry Masinter] 11:06:33

And so on, and I think kind of running a standards group.

[Larry Masinter] 11:06:37

It's very much like running this kind of open source project.

[Larry Masinter] 11:06:42

People come in, and some people leave. People are all volunteers.

[Larry Masinter] 11:06:46

We're trying to get. We have individuals might have different goals, but we have a common subset, of something we're trying to accomplish.

[Larry Masinter] 11:06:57

And so, and then I'm trying to use ietf rules, which is that everything's open, and then no one owns anything in particular and treat everyone with respect.

[Larry Masinter] 11:07:16

So I wrote out an agenda the other day, and mainly we have time to go through the agenda and then figure out which ones we wouldn't talk about further.

[Larry Masinter] 11:07:29

So let me walk through this a little bit. There is a page on our website.

[Larry Masinter] 11:07:35

Called medley, Goals, which is actually a bunch of different type of ages.

[Larry Masinter] 11:07:41

Just kind of interesting stories about take. I wouldn't.

[Larry Masinter] 11:07:45

I wonder if you could check. If you have an entry, let me go there.

[Larry Masinter] 11:08:00

And there are people who.

[Larry Masinter] 11:08:09

Don't talk about meetings.

[Larry Masinter] 11:08:18

Tw. University, and has a class at this time. So he usually says that most of these babe is her son.

[Larry Masinter] 11:08:31

He works for Zotero. Now Arun was on this support team and Ohio state for medley and got. And it has some. Okay.

[Larry Masinter] 11:08:52

It is Eric that he's scanning in for it.

[Larry Masinter] 11:08:59

Probably Jones, the volunteer working with the Computer History Museum, John Cohen.

[Larry Masinter] 11:09:07

I occasionally see on the Liberia Chat loc Channel.

[Larry Masinter] 11:09:13

Oh, then it's still the commonest. Oh!

[Larry Masinter] 11:09:19

Anyway, it would be nice if you could. We could shorten the introductions in the meeting.

[Larry Masinter] 11:09:28

By pointing people at your introduction on the website. If you like.

[Larry Masinter] 11:09:33

Not mandatory, but is, I'm updating. I'm trying to put together a talk for the Bay Area List group which we were invited to give.

[Larry Masinter] 11:09:50

And the who are we? Section points to these.

[Larry Masinter] 11:09:59

Did have issues there's more to say about good issues.

[Larry Masinter] 11:10:06

But the main thing is, we have 2 repos with issues in them, and I would merge it back into one.

[Larry Masinter] 11:10:15

Issues for the website separately, because I thought that would. That would be.

[Larry Masinter] 11:10:23

It's better off just putting it all on one issue, because this documentation test turn into implementation tests and vice versa, and whether or not you guys in the website, or the wiki or somewhere else may change every time, so but they fixed their transferring issue to the remembers

[Larry Masinter] 11:10:46

comments. So that's a bad. But the main thing is, don't add any more issues to the interest. Github Dot, I/O put them all in the deadly reboot, and I've been adding the help wanted to issues where.

[Larry Masinter] 11:11:22
Anyway.

[Larry Masinter] 11:11:26
It is part of my history that I didn't say, and I thought I would.

[Larry Masinter] 11:11:31
This, to explain myself. I worked for after I left Xerox.

[Larry Masinter] 11:11:36
In around 1999, I went to go ahead a job for 10 months as an Internet architect.

[Larry Masinter] 11:11:49
And then the guy who hired me left, and a lot of other people left and didn't want didn't want the divisions to work together.

[Larry Masinter] 11:11:59
They wanted to spit out a display companies and someone from research telling them how to work together was not to be listened to.

[Larry Masinter] 11:12:07
Or talk to, or anyway, I moved to a Derby, and I worked for a Debbie for 18 years, mainly on Internet standards and metadata.

[Larry Masinter] 11:12:23
And how did you metadata for?

[Larry Masinter] 11:12:27
Continue for real time, hey? Audio and video? Where, if you did?

[Larry Masinter] 11:12:34
Took a clip out of the video. You would have a metadata for that clip, but not for the whole thing.

[tomwinans] 11:12:42
Hmm!

[Larry Masinter] 11:12:44
So when you and they're using this in the content initiative which may be heavy, that it's some application that seems interesting.

[Larry Masinter] 11:12:55
But I left Debian disability because of Parkinson's, and then I had the surgery that help me a lot,

but I occasionally then, may simply split up from time to time.

[Larry Masinter] 11:13:11

So this is a great post economic project for me as well.

[Larry Masinter] 11:13:24

Me a little bit. Demos tutorials test.

[Larry Masinter] 11:13:29

We have Gavin and friends. Anyway. I've been working on.

[Nick Briggs] 11:13:34

Muted at the moment.

[Larry Masinter] 11:13:42

Hey? Of a set of slides?

[Larry Masinter] 11:13:51

That, and then.

[Larry Masinter] 11:13:59

Trying to do more screenshots. I like how polo gave a nice composed screenshot to illustrate what he's talking about.

[Larry Masinter] 11:14:11

Then wondering if we do some kind of live, demo.

[Larry Masinter] 11:14:15

Where you open up, enter list, and you click the button, and injustice, and have enter this drive.

[Larry Masinter] 11:14:22

The presentation, and the demo, and tell people to type things.

[Larry Masinter] 11:14:30

Might be some interesting platform. Oh, okay.

[Larry Masinter] 11:14:37

At least interest in those.

[Larry Masinter] 11:14:43

So this talk starts out. What is medley? Andrew Liz?

[Larry Masinter] 11:14:50

And who's the audience so to lead from rather than say, what we? Who are we trying to make happy?

[Larry Masinter] 11:15:00
And let the project goals.

[Larry Masinter] 11:15:05
Derived from that rather than yeah, because sometimes we'll discover something else that needs to be done to make one of these categories of people happy.

[Larry Masinter] 11:15:15
So village computer software historians, audiences for revisals of applications built in it.

[Larry Masinter] 11:15:26
So little bit of recursion.

[Larry Masinter] 11:15:30
That is, students have said.

[Larry Masinter] 11:15:38
And suffering through the historians into those in the future.

[Larry Masinter] 11:15:46
Yeah, 20 years from now. Oh, after I'm gone, at least it's that others can maintain it.

[Larry Masinter] 11:15:59
And then this is an enormous amount of I went 30 years with that programming in this.

[Larry Masinter] 11:16:06
Or even thinking about it, then, and it's taken a while.

[Larry Masinter] 11:16:10
But yeah.

[Larry Masinter] 11:16:13
So project goes.

[Larry Masinter] 11:16:19
Who is involved?

[Larry Masinter] 11:16:22
And I wanna put a link to this.

[Larry Masinter] 11:16:27

Okay? And then the demos start here.

[Larry Masinter] 11:16:32

With the idea that we'll put in the there's a demo that Ron and Joseph have been working on.

[Larry Masinter] 11:16:42

Just starting up little video. And I'm hoping that we might be able to talk Evan into doing some videos for his channel that we could share with ours.

[Gavin Jaeger-Freeborn] 11:16:59

I have at least a most of a script written, and stuff like that.

[Gavin Jaeger-Freeborn] 11:17:01

So I'm probably gonna try and record it this week.

[Gavin Jaeger-Freeborn] 11:17:04

If I can ever find time.

[Nick Briggs] 11:17:07

Yes.

[Larry Masinter] 11:17:08

And, Gavin, do you have any ideas on what you might do?

[Gavin Jaeger-Freeborn] 11:17:13

Yeah, right now, it's basically just a basically just a demo going through like showing like telling people what it like.

[Gavin Jaeger-Freeborn] 11:17:23

Interlest was, and what it is right now and then, basically opening it up, just using the the Vnc interface that you that we have all set up.

[Larry Masinter] 11:17:32

Right.

[Gavin Jaeger-Freeborn] 11:17:32

And then going through each of the things and showing them the tools that exist, and just giving them, like a brief history of the tool and what it can do. And some of the stuff that's been modernized figured that was like a pretty decent intro interface.

[Larry Masinter] 11:17:38

Right.

[Larry Masinter] 11:17:46

Alright, but you might be interested in this tech as a we have thinking about organizing that or source of ideas of things to demo.

[Larry Masinter] 11:18:03

There is a possibility of including a demo of interest, Jen running on it.

[Larry Masinter] 11:18:09

You can tell that.

[Larry Masinter] 11:18:11

Tell that to group. There's a group that has interest running on a real Pdb, 10 on the Internet.

[Larry Masinter] 11:18:23

And then you can. Is the interest in features. Blake, with bride also he's on our list.

[Larry Masinter] 11:18:33

He has a version of interlist that in Fortran.

[Gavin Jaeger-Freeborn] 11:18:39

Huh!

[tomwinans] 11:18:42

Wow!

[Larry Masinter] 11:18:42

That maybe and see. It was a interesting era, and with the no graphics.

[Nick Briggs] 11:18:52

Was that list best one.

[Larry Masinter] 11:18:55

And I'm not. Yeah. I'm not sure.

[Nick Briggs] 11:18:56

Okay.

[Larry Masinter] 11:19:02

And you know it's a programmer's assistant spelling correction permissive parameters, few flags, conversation list.

[Larry Masinter] 11:19:12

But.

[Gavin Jaeger-Freeborn] 11:19:12

Yeah, most of my slides like, oh, sorry. Most of my script right now, just like breaks down like the history section on the medley.

[Gavin Jaeger-Freeborn] 11:19:20

Well, it doesn't really break down, but like pretty much all of the parts of the key history points are brought up which I think so far covers like most of the slides.

[Gavin Jaeger-Freeborn] 11:19:28

From what I looked at this last time.

[Larry Masinter] 11:19:29

Hey!

[Gavin Jaeger-Freeborn] 11:19:30

Yeah.

[Larry Masinter] 11:19:37

And this I think we're not going to use.

[Larry Masinter] 11:19:45

So the copyright story is a little complicated, and the advice we got for my lawyer is the less, said the letter, the better.

[Larry Masinter] 11:19:55

Leave it ambiguous.

[Larry Masinter] 11:20:01

We do publish our software with Mit License.

[Larry Masinter] 11:20:07

And under the presumption that we have the right to do that.

[Larry Masinter] 11:20:14

Hi, so where is?

[Larry Masinter] 11:20:22

Agenda.

[Larry Masinter] 11:20:27

Fundraising in the Irs.

[Larry Masinter] 11:20:30

We've finally gotten the letter from the Irs.

[Larry Masinter] 11:20:33

This is where a public charity and not a private foundation, but.

[Larry Masinter] 11:20:41

That hasn't quite made its way all the way through the Irs systems which take a long time to update.

[Larry Masinter] 11:20:52

And I was talking to see guys about this. He said he was part of some technical support team in the Senate in 30 years ago, proposing Irs modernization that they had apparently have not yet implemented.

[Nick Briggs] 11:21:14

And likely never will.

[Larry Masinter] 11:21:16

Hey? Anyway, we have in the ein. Yeah, the treasure.

[Larry Masinter] 11:21:23

And so we can accept donations that way. We set up.

[Larry Masinter] 11:21:27

We can accept money via Paypal and my friend donated \$10 a month that way, and we take donations by.

[Larry Masinter] 11:21:44

Good have sponsorship, which is nice because they don't charge any processing fever. Nonprofits.

[Larry Masinter] 11:21:53

The other advantage we get out of these being in nonprofit.

[Larry Masinter] 11:21:58

Is, you get a lot of discounts. So we have \$1,000 a year.

[Larry Masinter] 11:22:05

This is bonus from aws, that we've mainly mainly covered our expenses until now.

[tomwinans] 11:22:10

Hmm!

[tomwinans] 11:22:13

Hmm!

[Larry Masinter] 11:22:18

Except for the I forgot to renew it, renewed, renewed the discount.

[Larry Masinter] 11:22:23

So we have the \$43 from it to Aws, which seems to be not quite a month's expenses.

[Larry Masinter] 11:22:34

Or half a month, expenses. I sit around the bank.

[Larry Masinter] 11:22:45

Did did anyone see that the bank statement?

[Larry Masinter] 11:22:49

Maybe didn't get to.

[Larry Masinter] 11:22:54

That's the bad so I'll keep on checking it until they.

[Larry Masinter] 11:23:01

So? Is it not? Is a PC. Instead of a Pf, it's simplified.

[Larry Masinter] 11:23:09

Our file requirements. The 9 90 Pf. Is like 30 people, questions.

[Larry Masinter] 11:23:14

You have to be either an operating or non operating private, and we're neither of those with the 9 90 in which is what you're eligible here.

[Larry Masinter] 11:23:27

Less than \$50,000 of revenue. There's one question on it.

[Larry Masinter] 11:23:32

Did you earn more than that? \$50,000 this year?

[Larry Masinter] 11:23:37

Hey? You check that. Yes. And then you file the form which is actually just a website where you put in your Eia and then text the database that you're.

[Larry Masinter] 11:23:53
Spending. Now we have \$3,000, and we could spend it.

[Larry Masinter] 11:23:59
My experience. Hiring consultants has been mixed as a database was enhanced like insults that I heard from Fiverr.

[Larry Masinter] 11:24:17
To add or finish the metadata of a bunch of things things.

[Larry Masinter] 11:24:22
But I think it needs checking, updating, or verify it.

[Larry Masinter] 11:24:31
They didn't really know what they were making, and this data databases is reasonably, has a bunch of papers about a lot of things that are related to interest.

[Larry Masinter] 11:24:45
And I.

[Larry Masinter] 11:24:53
And let me. It has both a desktop client.

[Larry Masinter] 11:24:59
Hello, web, interface.

[tomwinans] 11:25:03
Huh!

[Larry Masinter] 11:25:04
There is the.

[Larry Masinter] 11:25:09
And about list. Common list. Thanks.

[Larry Masinter] 11:25:21
So!

[Larry Masinter] 11:25:24
But enter this interest. D.

[Larry Masinter] 11:25:37
So you know much of it is about other list machines.

[Larry Masinter] 11:25:42

So Steve guys had a bunch of material that he wanted to publish.

[Larry Masinter] 11:25:49

But somewhere and about the symbol of this machine that's about it.

[Larry Masinter] 11:25:54

And Texas instruments and 0 basically offers unlimited storage of documents for \$60 a year, which is another annual expense.

[Larry Masinter] 11:26:09

But certainly worth it.

[tomwinans] 11:26:11

Hmm!

[Larry Masinter] 11:26:13

And it will. You can point it at a website. The way that you add something to this is a plugin good point.

[Larry Masinter] 11:26:25

Your desktop client at the location, and then you click the extension button, which is, and it includes all the embedded metadata.

[tomwinans] 11:26:38

Hmm!

[Larry Masinter] 11:26:42

So this gives us.

[Larry Masinter] 11:26:50

At least to the pretense. But really the fact that trying to be academically appropriate for a historical revergence, this isn't the only version of interest.

[Larry Masinter] 11:27:02

This is kind of the medley interest. We're trying to improve.

[Larry Masinter] 11:27:08

Things continue on the path of development that we left 30 years ago.

[Larry Masinter] 11:27:14

Making 50 bugs in the underlying implementation.

[Larry Masinter] 11:27:19

Whether or not there historically accurate, but not trying to build something totally new, either.

[Larry Masinter] 11:27:26

Hey? You know it's a little bit like I like to have a vintage car you put in there that it still drives like before, except a 1,000 times faster.

[Larry Masinter] 11:27:40

Hey? I'm not interested in slowing it down, but there are emulators is a dandelion emulator, because Dark Star Josh.

[Larry Masinter] 11:27:54

She did. And then that would be interesting to get into the online.

[Larry Masinter] 11:28:03

If you want to experience. Oh, they do this. You can.

[Larry Masinter] 11:28:10

The.

[Larry Masinter] 11:28:12

Yeah, not our first priority, but certainly one of the.

[Ron Kaplan] 11:28:17

So in terms of bibliography. So you know, the academic community is, you know.

[Ron Kaplan] 11:28:26

Yeah, Academia, you have research gate where people upload stuff.

[Larry Masinter] 11:28:29

Right.

[Ron Kaplan] 11:28:31

And you know I'm getting messages all the time.

[Ron Kaplan] 11:28:35

I get messages all the time about people that are downloading my papers, and then messages suggesting that I download somebody else's papers and so forth.

[Ron Kaplan] 11:28:46

So is there any connection, or do we wanna have a connection between any of those kind of more pushing, pushing sites versus which I think is more like a repository side?

[Larry Masinter] 11:28:55

Yeah.

[Larry Masinter] 11:29:00

Yeah, this is mainly not of our papers.

[Larry Masinter] 11:29:03

Hi, papers you put on the website any publications that we have?

[Ron Kaplan] 11:29:06

Yeah.

[Larry Masinter] 11:29:09

This is about other publications from outside of us, where we just have a complete list.

[Larry Masinter] 11:29:14

Anything relevant to enter list.

[Ron Kaplan] 11:29:18

So I see that you have a research gate link. There.

[Ron Kaplan] 11:29:21

What is that? Do?

[Larry Masinter] 11:29:27

Here's did Leader Advisor. It is yeah, that's a sub item.

[Ron Kaplan] 11:29:30

No, the ones, too, down below that research, Kate.

[Larry Masinter] 11:29:36

Of this link to Research gate. So, but we haven't had the full test. I think.

[Larry Masinter] 11:29:44

Text as an establishment, as well.

[Ron Kaplan] 11:29:45

Yeah.

[Ron Kaplan] 11:29:50

Hey? Right. Just curious about that, you know. Like, whether or not.

[Larry Masinter] 11:29:54

Yeah.

[Ron Kaplan] 11:29:58

If you're looking for, you know more publicity or more awareness, whether it's piggyback on some of these other other things.

[Larry Masinter] 11:30:05

Yeah.

[Larry Masinter] 11:30:09

I think we you know right now we're at a point where I'm trying to reach people with skills.

[Larry Masinter] 11:30:16

We don't have that we need. So I wanna reach people who know common lists really well and wanna have that would help us a lot.

[Larry Masinter] 11:30:27

Hello, rich people who could take over some of the stuff that we're doing, that we we made another them well enough, but need a little out, so.

[Larry Masinter] 11:30:45

And.

[Larry Masinter] 11:30:49

Yeah, sure, if you wanted to do that, that'll be fine.

[Larry Masinter] 11:30:54

But the only thing that we've published ourselves is that this presentation and these videos.

[Ron Kaplan] 11:30:59

Uhhuh.

[Larry Masinter] 11:31:02

Good.

[Ron Kaplan] 11:31:02

Okay, just thought I would ask.

[Larry Masinter] 11:31:05

Right.

[Larry Masinter] 11:31:48

There we go!

[Larry Masinter] 11:31:51

Where they go. The room was gonna publish some files and check them in to get. And I just wanted to point out I made a upload directory on our Google drive.

[Larry Masinter] 11:32:11

So that if you want to, if you have some files and you don't know where they go.

[Larry Masinter] 11:32:18

Oh, are they really big? Scanned Vds, I put your files.

[Larry Masinter] 11:32:26

Ron your falls into the to drive.

[Ron Kaplan] 11:32:38

Yeah. Oh, you know. You ask where they came from?

[Ron Kaplan] 11:32:42

I could try to poke around and see if I have on one of these archives the original source that I pull all that stuff out of.

[Ron Kaplan] 11:32:50

Oh.

[Larry Masinter] 11:32:55

Here's a Google drive. There are meeting recordings.

[Larry Masinter] 11:33:02

We're not recording this one and then try with it the Pds.

[Larry Masinter] 11:33:07

From the Invoice Directory that we don't want to push out.

[Larry Masinter] 11:33:11

But then you can. You might find them useful.

[Larry Masinter] 11:33:19

We have this directory called History Sources, is when I get there.

[Larry Masinter] 11:33:24

's, a history Repo which has things organized by decade.

[Larry Masinter] 11:33:30

Hey? Then date, and in history sources. This, some of the places where we got them from.

[Larry Masinter] 11:33:46

So we have. We're using 96.

[Larry Masinter] 11:33:51

What are we using?

[Larry Masinter] 11:33:53

We? We had 200 we're using a 100 of them.

[Larry Masinter] 11:33:59

It's and maybe not. Maybe. Yeah, this is more accurate.

[Larry Masinter] 11:34:05

We you get 30 GB in our Google.

[Larry Masinter] 11:34:12

How are you? Organizational account?

[Larry Masinter] 11:34:17

Of which we're using 96. So we might have some more storage requirements.

[Larry Masinter] 11:34:23

That's Hi ran a batch program program that walks through the directly looking for T-ted files.

[Larry Masinter] 11:34:36

And running them through T. Edit, convert them to P.

[Larry Masinter] 11:34:43

2 per script, and then later, I ran through a Debbie acrobat to convert them.

[Larry Masinter] 11:34:52

Post scripted Pdf. And The.

[Larry Masinter] 11:35:01

Then you look at in those Pdfs, and then has.

[Larry Masinter] 11:35:06

Bye!

[Larry Masinter] 11:35:09

And all those, all of us.

[Ron Kaplan] 11:35:15
So I have a question. So we're producing.

[Larry Masinter] 11:35:18
Yeah.

[Ron Kaplan] 11:35:24
Ps. Files.

[Larry Masinter] 11:35:26
Right.

[Ron Kaplan] 11:35:27
We've produced. I have some Ps files that were produced a while ago.

[Larry Masinter] 11:35:32
Yeah.

[Ron Kaplan] 11:35:32
And I'll preview on the Mac won't open them and adobe reader won't open them.

[Ron Kaplan] 11:35:40
But Ps to Pdf, does. Do you guys know of anything that's changed in the Mac environment that would make our old files?

[Ron Kaplan] 11:35:52
Somehow not.

[Nick Briggs] 11:35:54
I thought they said something about not doing the post script to Pdf.

[Nick Briggs] 11:36:02
Conversion anymore.

[tomwinans] 11:36:05
That's true.

[Ron Kaplan] 11:36:07
So there's.

[tomwinans] 11:36:07

I went through this. I went through this, and for my part, didn't have libraries or tools here.

[tomwinans] 11:36:16

But I found a website that was able to do. But Preview has grown past grown past script.

[Ron Kaplan] 11:36:24

So the fact that we're producing post is now is that just on the Mac.

[tomwinans] 11:36:30

Yes.

[Larry Masinter] 11:36:30

Rode the first skip driver. Yes, the one that we use.

[Nick Briggs] 11:36:31

Yeah, yeah.

[Nick Briggs] 11:36:36

Yeah.

[Nick Briggs] 11:36:40

Yeah. But no post script is openable by preview.

[Larry Masinter] 11:36:47

Hey? So you have to convert it to Pdf.

[tomwinans] 11:36:47

Correct.

[Nick Briggs] 11:36:50

So usps to Pdf.

[Nick Briggs] 11:36:55

And yes, it would be oh, sorry I had muted myself!

[Nick Briggs] 11:37:01

Yeah. Nope, postscript opens in preview on most recent.

[Nick Briggs] 11:37:09

Mac OS.

[Ron Kaplan] 11:37:10

And adobe reader is the same.

[Larry Masinter] 11:37:16

Adobe reader, I don't know there'd be acrobat which I paid it before.

[Ron Kaplan] 11:37:22

Yeah.

[Larry Masinter] 11:37:23

And will convert.

[Nick Briggs] 11:37:26

Yeah.

[Ron Kaplan] 11:37:27

And what about on windows? I mean, I'm sorry to depend on this, but it's first of all it's good for me to know that I didn't break anything.

[tomwinans] 11:37:36

Yeah.

[Nick Briggs] 11:37:36

Yeah.

[Larry Masinter] 11:37:36

Right.

[Ron Kaplan] 11:37:37

That's important. Alright, let me say, I didn't break this.

[Ron Kaplan] 11:37:46

But it raises a question that basically on a Mac, our hard copy, doesn't you know that a normal person might expect to be able to do it doesn't produce anything on a Mac that's useful.

[Nick Briggs] 11:38:03

Yeah, you end up needing separately installed. Ps to Pdf.

[Ron Kaplan] 11:38:09

Right, which is, I mean people. All of a sudden we're off in the boonies again.

[Larry Masinter] 11:38:12

Good Script.

[Larry Masinter] 11:38:16

Psi pdf is, which is originally authored by L.

[tomwinans] 11:38:16

Yeah.

[Larry Masinter] 11:38:22

P Deutsch, hey!

[Nick Briggs] 11:38:23

Yeah.

[Ron Kaplan] 11:38:23

Yeah, right? No, no, I mean. But again, the problem is, you know, producing an environment that has a hard copy that doesn't really work unless we package.

[Ron Kaplan] 11:38:39

You know. Package it with Ps. To Pdf.

[Larry Masinter] 11:38:43

Yeah, I didn't think the thing for us is online to it's for an option.

[Larry Masinter] 11:38:55

And.

[Nick Briggs] 11:38:56

Yeah, I mean, ideally, we would start generating Pdf instead of post.

[Ron Kaplan] 11:39:02

Hi!

[Larry Masinter] 11:39:04

Right.

[Nick Briggs] 11:39:04

Script, but.

[Ron Kaplan] 11:39:06

How hard is that?

[Ron Kaplan] 11:39:11

I've always thought of you as a Pdf.

[Ron Kaplan] 11:39:13

Expert.

[tomwinans] 11:39:14

Okay.

[Nick Briggs] 11:39:17

No!

[Ron Kaplan] 11:39:20

Like you had the book.

[Nick Briggs] 11:39:23

Well, true!

[Nick Briggs] 11:39:26

I mean, yeah, I guess we I guess we could. You know, it's it's another another page.

[Nick Briggs] 11:39:34

Description language, and a funny binary format, and.

[Larry Masinter] 11:39:37

Yeah.

[Ron Kaplan] 11:39:40

But I did enter press.

[Larry Masinter] 11:39:41

Yeah, we have another option, which is to go to the Dodo.

[Nick Briggs] 11:39:42

Well, if, yeah.

[Larry Masinter] 11:39:50

And generate enterprise, and then data rents.

[Larry Masinter] 11:39:55

Enterprise. 2, 2, yeah.

[Ron Kaplan] 11:39:56

But I'm just thinking if somebody on a Mac wanted to do a hard copy, we no longer have that ability.

[Larry Masinter] 11:40:05

Yeah, there's another thing that I really wanted, which was.

[Ron Kaplan] 11:40:08

This is a second issue cause this is separate, I mean, I don't mean to be banned, but I wanna just ask the question whether or not there's something broken that I do.

[Nick Briggs] 11:40:11

Yeah.

[Nick Briggs] 11:40:16

Yeah, no, just and you can test that out by just taking some other postscript file from somewhere.

[Larry Masinter] 11:40:18

Yeah.

[Ron Kaplan] 11:40:24

Yeah, yeah, okay.

[Nick Briggs] 11:40:25

And and checking. Maybe you won't, will or won't open up.

[Larry Masinter] 11:40:28

Hey!

[Ron Kaplan] 11:40:29

Okay.

[Larry Masinter] 11:40:31

What I wanted was some way that people who aren't ready medley and don't wanna run.

[Larry Masinter] 11:40:36

It can take it to you and to open it up is Pdf.

[Larry Masinter] 11:40:42

Or HTML, or so they, by running a server, maybe using it.

[Larry Masinter] 11:40:50

The mechanism of Andrew list online, but having a server where you just are, you Kubernetes, we fire up.

[Ron Kaplan] 11:41:01

Yeah.

[Larry Masinter] 11:41:02

And since that's already been preserved that has. He had a listening for a file, he send it the file.

[Larry Masinter] 11:41:11

Yeah, it hard copies it and runs it through Ps. To Pdf. And then deliveries back to you the Pdf.

[Nick Briggs] 11:41:15

Yeah.

[Ron Kaplan] 11:41:19

You know what I think. I'm gonna try to do is to do a call to Ps to Pdf on the Mac.

[Ron Kaplan] 11:41:24

At least it's part of the hard copy, like it's the default, hard copy format.

[Larry Masinter] 11:41:24

Yeah.

[tomwinans] 11:41:25

Yeah.

[tomwinans] 11:41:27

Yeah.

[Larry Masinter] 11:41:33

Right.

[Ron Kaplan] 11:41:36

Forget about even trying to fake a Ps file, you know.

[Ron Kaplan] 11:41:41

Put Pdf. As the extension, and run it through a shell, command and hide all that you know to a temp.

[Larry Masinter] 11:41:44

Right.

[Ron Kaplan] 11:41:50

File and rename it, and so forth, and make it look right.

[Larry Masinter] 11:41:52

Yeah.

[Ron Kaplan] 11:41:53

That's that's what I'm gonna do on the Mac, and I don't know if it has to be done any place else.

[Larry Masinter] 11:41:57

That's it's good to to start out with.

[Larry Masinter] 11:42:01

At least, hey?

[Ron Kaplan] 11:42:01

Yeah, okay, but it's good for me to now know that not a mirage.

[tomwinans] 11:42:10

That's the price. Me, but pardon my ignorance, but it is is this not like a one time conversion?
Would a Pdf.

[tomwinans] 11:42:19

Directly work or not.

[Ron Kaplan] 11:42:21

Well, after it's the problem now, is that post script files are basically being deprecated.

[tomwinans] 11:42:27

Yes, yes.

[Ron Kaplan] 11:42:29

So, and we wanna from Tia, from any other application that you might have, whether you know it's a hard copy on the background, menu, and an auto produce a hard copy file.

[tomwinans] 11:42:42

I see.

[Ron Kaplan] 11:42:43

Go to a printer and can go to a file without you having to be.

[tomwinans] 11:42:46

Got it?

[Ron Kaplan] 11:42:51

You know, a wizard?

[tomwinans] 11:42:51

Got it. Yeah, yeah. Okay. So there's a little more interaction there than than just that that I was thinking.

[Ron Kaplan] 11:42:54
And.

[Ron Kaplan] 11:42:58
And you know, to do a driver. I mean, they're like 20 different functions that have to be implemented.

[Ron Kaplan] 11:43:08
But each one has to be implemented, you know, like putting it down.

[Larry Masinter] 11:43:11
Yeah.

[Ron Kaplan] 11:43:13
You know, moving on, on, on the coordinate system, and going to a new.

[Larry Masinter] 11:43:20
I think you take the postscript driver and use that as a template.

[Ron Kaplan] 11:43:24
Yeah, yeah.

[Larry Masinter] 11:43:26
The Pdf. Doesn't have. Pdf, Hello, it's transparency.

[Larry Masinter] 11:43:32
Right.

[Ron Kaplan] 11:43:34
Yeah, so eventually, we can take a swagger that I might just try to patch it in for now, because what I'm doing right now I want to be able to look at the file and see if I got it right.

[Ron Kaplan] 11:43:51
You know. So okay, sorry for the deck.

[Matt Heffron] 11:43:55
Yeah, I, I just a minute ago tried opening an old post script file with the adobe reader on windows 11.

[Matt Heffron] 11:44:07

And it says, you wanna buy our file converter to Pdf.

[Ron Kaplan] 11:44:12

Yeah.

[Matt Heffron] 11:44:12

And it doesn't list postscript as one of the input options for the converter.

[Ron Kaplan] 11:44:17

Yeah, that's what I kept getting on adobe, reader.

[Ron Kaplan] 11:44:20

It kept going to a screen that wanted to buy. When I went to pre-view, it kept showing me the raw text, yeah, yeah.

[Larry Masinter] 11:44:22

Yeah.

[Matt Heffron] 11:44:22

Yeah.

[Matt Heffron] 11:44:27

Yeah, I've got. I've got another graphics editor that can import post script.

[Larry Masinter] 11:44:35

Yeah.

[Matt Heffron] 11:44:35

That basically, presumably it's running something similar to go script in under the covers because it generates images.

[Matt Heffron] 11:44:45

Yeah. That's the Carl. Pinch up row can do that.

[Ron Kaplan] 11:44:46

Yeah.

[Larry Masinter] 11:44:46

Yeah.

[Matt Heffron] 11:44:52

But that's, you know, paid product. So windows doesn't natively.

[Frank Halasz] 11:44:54
I'm pretty sure.

[Ron Kaplan] 11:44:56
Modernization. Again.

[Matt Heffron] 11:44:58
Pardon. Oh, sorry!

[Frank Halasz] 11:44:58
I'm pretty sure I'm pretty sure Inkscape will do this, too, if you but it's a.

[Larry Masinter] 11:45:09
So we do get discounts as an annual profit from techsoup for a lot of software.

[Larry Masinter] 11:45:15
If you need something. That is Hello. I understand that a discount for nonprofits is that as good as their discount for educational.

[Ron Kaplan] 11:45:31
Yeah, it's just that, you know, if we had a broader community like, I'm thinking of my, you know, target community, you know, the people shouldn't have to go around, you know, finding new software and buying a in order to file.

[Larry Masinter] 11:45:36
Yeah.

[Larry Masinter] 11:45:44
Right. That's where running it as a server might be.

[Ron Kaplan] 11:45:48
Yeah, yeah. So okay, sorry again for the digression. But it's been.

[Larry Masinter] 11:45:54
No, no, that's the purpose of these meetings.

[Larry Masinter] 11:46:00
So!

[Larry Masinter] 11:46:05
We did introductions.

[Frank Halasz] 11:46:14

So ron let me just ask one question. Can I?

[Frank Halasz] 11:46:22

I should probably put Ps. To Pdf. As part of the Mac OS install I'm working on that.

[Frank Halasz] 11:46:29

If you're gonna turn.

[Ron Kaplan] 11:46:32

I mean. So the question is, where do you know I might have gotten it with tech shop or something.

[Ron Kaplan] 11:46:39

It's is it? Come with a Mac?

[Nick Briggs] 11:46:44

Ps, T. O. Pdf, come. Used to come in.

[Nick Briggs] 11:46:49

Mac OS.

[tomwinans] 11:46:51

Yeah, I don't think it does.

[Ron Kaplan] 11:46:52

2, digit.

[Frank Halasz] 11:46:52

Not anymore.

[tomwinans] 11:46:55

Oh, wait! I got. I got something, but it's a question of whether I also got it from tech shop.

[tomwinans] 11:47:03

Sometime back in a carried through.

[Ron Kaplan] 11:47:05

Yeah.

[Nick Briggs] 11:47:07

Well it digit to, or the letters T. O. That!

[tomwinans] 11:47:10

To O!

[Ron Kaplan] 11:47:12

Well, I don't know about the letter to O. Let's.

[Nick Briggs] 11:47:16

Look and see if you have in user B, and Ps, T. O.

[Ron Kaplan] 11:47:18

Yeah.

[Nick Briggs] 11:47:21

Pdf.

[Frank Halasz] 11:47:25

Use your bin.

[Nick Briggs] 11:47:27

Yeah.

[Larry Masinter] 11:47:31

So this is ubuntu.

[Ron Kaplan] 11:47:32

Yeah.

[Nick Briggs] 11:47:33

No, all on a Mac!

[Larry Masinter] 11:47:35

Yeah.

[tomwinans] 11:47:35

On the Mac. I have, but I have to say I've had a tech shopping installed for a while, so I don't know where. If.

[Ron Kaplan] 11:47:44

I'll look on my wife's machine, cause she has got nothing installed.

[tomwinans] 11:47:47

Yeah.

[Nick Briggs] 11:47:47

Yeah, I don't have. I don't have. I'm currently the smack is big, sir.

[Nick Briggs] 11:47:56

Let 11, 7, 4. So it's not most recent, but it has.

[Nick Briggs] 11:48:03

It has an apple supplied. Psto Pdf.

[Nick Briggs] 11:48:07

In user bin.

[Frank Halasz] 11:48:08

Yeah. So I'm running on, Monterey. And it I also have. Ps.

[Frank Halasz] 11:48:12

2 Pdf. In my directory, and I don't have anything special installed.

[Ron Kaplan] 11:48:14

Okay with the it's a to O or a 2.

[Frank Halasz] 11:48:18

To O!

[Nick Briggs] 11:48:19

T. O. And I wonder whether Preview has just stopped invoking that automatically.

[Ron Kaplan] 11:48:21

Yeah.

[Nick Briggs] 11:48:31

It may still be present on the system, but you may have to invoke it yourself.

[Ron Kaplan] 11:48:40

You think there's a preference between the to and the 2?

[Frank Halasz] 11:48:44

Well, let the 2 is coming from the go script.

[Nick Briggs] 11:48:47

Yes.

[Ron Kaplan] 11:48:47

Right? Yeah, that's computer, yeah.

[Frank Halasz] 11:48:48

People right and and the good Po is coming from apple.

[Frank Halasz] 11:48:55

But I believe that the apple one was originally derived from the go script one, but I don't know if it's you know.

[Ron Kaplan] 11:49:02

Or either of them maintained, you know.

[Frank Halasz] 11:49:06

No idea. Well, the the Ps.

[Ron Kaplan] 11:49:07

No, we don't know so.

[Frank Halasz] 11:49:12

To Pdf. I think, is maintained by the go Script.

[Ron Kaplan] 11:49:14

Yeah.

[Frank Halasz] 11:49:14

This goes script. You can buy a a commercial license to go script.

[Frank Halasz] 11:49:20

Now!

[Larry Masinter] 11:49:21

Right, if you're using it for the kind of purposes we're using it for.

[Ron Kaplan] 11:49:21

Uhhuh.

[Larry Masinter] 11:49:26

I don't think there's any charge.

[Frank Halasz] 11:49:28

Right. But I think that it's the same. You know, the commercial and the free one are the same set of code. It's just yeah. Yeah.

[Ron Kaplan] 11:49:39

Huh!

[Larry Masinter] 11:49:39

Yeah, yeah.

[Ron Kaplan] 11:49:41

Okay. Well.

[Larry Masinter] 11:49:41

Yeah.

[Frank Halasz] 11:49:42

So, yeah, I mean, I would imagine. Ps to Pdf is much better.

[Frank Halasz] 11:49:46

Maintained than Dst. O. Pdf.

[Larry Masinter] 11:49:49

Yeah.

[Ron Kaplan] 11:49:51

The one with the digit, you think is better maintained.

[Frank Halasz] 11:49:53

Yeah, and that the other one is this apple's kind of leftover thing.

[Ron Kaplan] 11:49:54

Okay.

[Frank Halasz] 11:49:59

But, on the other hand, if it's on, if it ships on every you know, Max, system, you know, then nobody has to install anything in the T. O.

[Ron Kaplan] 11:50:08

Yeah, well, you know, you could. Also, you know, I'm gonna do a shell command.

[Frank Halasz] 11:50:09

Version, nobody has to install anything. So that's a lot better for us.

[Larry Masinter] 11:50:11

Yeah.

[Ron Kaplan] 11:50:14

I could also look and see what's there.

[Frank Halasz] 11:50:16

Correct. Yeah.

[Larry Masinter] 11:50:17

Yeah, I wouldn't. Don't discount the data network.

[Larry Masinter] 11:50:22

This Dodo is the X and S emulator.

[Nick Briggs] 11:50:27

Yeah, but your color all, all of that stuff in order to do it.

[Ron Kaplan] 11:50:28

Okay.

[Larry Masinter] 11:50:28

And.

[Larry Masinter] 11:50:32

We would, unless we rent it on on our online portal.

[Nick Briggs] 11:50:39

Oh, yeah, yeah, yeah, right, if you wanna do it as a service like that. But.

[Larry Masinter] 11:50:43

Hey! David!

[Frank Halasz] 11:50:44

But you know then.

[Frank Halasz] 11:50:47

For what is a very simple thing, like printing.

[Frank Halasz] 11:50:51

It doesn't seem like we wanna burden our, you know, with having a network connection and all that other stuff.

[Ron Kaplan] 11:50:53

Yeah.

[Nick Briggs] 11:50:57

Yeah, and you have to.

[Larry Masinter] 11:50:58

Well, if we wanna run the loop demo where they had machines and machine.

[Frank Halasz] 11:51:03

Right.

[Larry Masinter] 11:51:04

Communication. Yeah, I kind of imagine we could get used to on the server to run shared file server.

[Nick Briggs] 11:51:15

But sure, but then you've got to configure up the network on every individual machine because they come up with the same hardware.

[Nick Briggs] 11:51:26

Mac. Address by default, and then you have to register them in the Clearing House, and then, you know, it's just like setting up, you know, the whole park network right?

[Larry Masinter] 11:51:27

That wouldn't be. Yeah. We'd have to do that.

[Larry Masinter] 11:51:36

Yeah, but that would be cool.

[Frank Halasz] 11:51:39

Well, it would be! It would be cool to do.

[Nick Briggs] 11:51:39

Oh, yes, but.

[Frank Halasz] 11:51:43

I agree with that, but it would, but not for every single time you wanna print for everybody who wants to print something.

[Nick Briggs] 11:51:47

Brin. No. Yes, exactly.

[Larry Masinter] 11:51:53

Anyway, the networking stuff is probably that we haven't really explored yet.

[Larry Masinter] 11:52:01

But yeah, I'm on the history of the Internet.

[Larry Masinter] 11:52:05

Community mailing list, and they talk about the the source of the link to the address of Ipv.

[Larry Masinter] 11:52:15

6, and I came from Steve during their experience with X. And S.

[Nick Briggs] 11:52:21

Yeah.

[Ron Kaplan] 11:52:23

Yeah. But yeah, again, I don't think we wanna get into that for printing a file.

[Nick Briggs] 11:52:28

No, agreed!

[Larry Masinter] 11:52:28

Yeah, they? Probably. I agree.

[Ron Kaplan] 11:52:30

Yeah.

[Larry Masinter] 11:52:35

As a script. Well, clearly, it's built into Linux, and therefore you get it.

[Larry Masinter] 11:52:42

You can get it with your.

[Larry Masinter] 11:52:46

Wsl. That's what I'm running. So so if you have a Linux or windows with Linux, did you run the script one?

[Larry Masinter] 11:52:59

And on the mat you may or need to. You can use some of the.

[Ron Kaplan] 11:53:03

Yeah.

[Frank Halasz] 11:53:04

So are you saying a Ps. To Pdf.

[Frank Halasz] 11:53:06

Comes installed on like a or.

[Larry Masinter] 11:53:09
No, you have to add, install it.

[Frank Halasz] 11:53:13
Okay. So you have to do an app. Get to or I have to install 2.

[Frank Halasz] 11:53:20
Okay.

[Larry Masinter] 11:53:20
That is the list of things that we're installing.

[Ron Kaplan] 11:53:26
But if if the if there is a If post script still works on on windows, machines that I wouldn't worry about it, there!

[Frank Halasz] 11:53:28
Right.

[Larry Masinter] 11:53:40
It doesn't. It never works.

[Ron Kaplan] 11:53:42
Okay. So they broke it there, too. Post script.

[Larry Masinter] 11:53:44
No, they never, never supported it.

[Frank Halasz] 11:53:46
Yeah, there's no preview in windows.

[Frank Halasz] 11:53:50
No equivalent to preview.

[Ron Kaplan] 11:53:50
Okay, so so on windows. It's never been the case.

[Ron Kaplan] 11:53:56
That when in medley you say print to a file print to a printer, that it actually prints.

[Ron Kaplan] 11:54:02

It's never been the case on windows.

[Larry Masinter] 11:54:04

No, with superscript you can send postscript to the printer.

[Larry Masinter] 11:54:08

You just can't preview it.

[Ron Kaplan] 11:54:09

Okay. I I see.

[Larry Masinter] 11:54:12

Hey! The printer is still a firstscript.

[Ron Kaplan] 11:54:15

Okay. So I should try a file to the printer, and seeing it, see if that works.

[Nick Briggs] 11:54:17

Yes.

[Larry Masinter] 11:54:20

Great.

[Frank Halasz] 11:54:20

Right. But don't forget that we don't really run on windows, so we're always running on Linux.

[Ron Kaplan] 11:54:21

Yeah.

[Frank Halasz] 11:54:28

So the question is, what happens on Linux? Right?

[Ron Kaplan] 11:54:28

Yeah, yeah, yeah, okay, I'll try this sort it out, at least on my Mac.

[Ron Kaplan] 11:54:35

And and then, yeah, I'm doing all the stuff with this hard copy display mode. But if there is no hard copy, it's kind of a, you know, no point doing work.

[Larry Masinter] 11:54:38

Yeah.

[Larry Masinter] 11:54:47

Right, right.

[Nick Briggs] 11:54:47

Yeah, it. It should be easy, Ron, to set up a direct line with a file watch on it that notices postscript files and automatically Ps to Pdfs them.

[Ron Kaplan] 11:55:05

No, I think I just do a shelf command in the post-print command.

[Nick Briggs] 11:55:10

Yeah, yeah, okay, yeah.

[Larry Masinter] 11:55:10

Right.

[Ron Kaplan] 11:55:11

Just yeah.

[Larry Masinter] 11:55:12

Right? Well, you that's it. Print out the notice about how you feel free to redefine this and the prop window, which is then the slice by as you load up.

[Ron Kaplan] 11:55:22

Yeah.

[Ron Kaplan] 11:55:27

Yeah, yeah. So I'll put it on my list.

[Nick Briggs] 11:55:31

Yeah.

[Ron Kaplan] 11:55:31

But it's nice to know that it's not me.

[Larry Masinter] 11:55:34

Right. Anyone have any other questions or announcements or things they wanted to discuss.

[Nick Briggs] 11:55:35

Yeah.

[Frank Halasz] 11:55:42

Well, so I have a Mac OS installer.

[Frank Halasz] 11:55:50

The first prototypes up on the hold on one sec.

[Frank Halasz] 11:55:56

Let me. They're up on the releases on Github.

[Larry Masinter] 11:55:58

Oh, good!

[Frank Halasz] 11:56:04

So if you go to the latest draft release on Github, you will see a file that's ends in dot.

[Frank Halasz] 11:56:14

Dmg, Mac, OS, dot, Dmg. And Mac OS dot zip, and especially the Zip file.

[Frank Halasz] 11:56:24

Sort of works it. If you download the zip and then unzip it in any directory you like, you'll get a note card, some, Michael, and a medley directory, and then if you change to medley that directory medley just medley and then run dot

[Frank Halasz] 11:56:47

slash, medley, you know, like you do on Linux.

[Frank Halasz] 11:56:51

Then, that should in general work with one big caveat, which is, you first have to remove the the quarantine attribute.

[Frank Halasz] 11:57:04

I I don't know if you know how to do that, but you basically run X attribute next after minus Dr.

[Frank Halasz] 11:57:14

Tom dot, apple, dot quarantine, and then the the Directory name.

[Frank Halasz] 11:57:19

It will remove all the quarantine bits, and then I will, and there's go ahead.

[Larry Masinter] 11:57:22

You send out a message? Perhaps?

[Nick Briggs] 11:57:24

You. In theory, you can also just open it in theory, open it.

[Ron Kaplan] 11:57:27

Do that automatically.

[Frank Halasz] 11:57:30

Say that again.

[Nick Briggs] 11:57:34

In theory, in theory. If you use the open command on it, then it will ask you if you really want to run it, and if, say yes, then it does that.

[Frank Halasz] 11:57:35

Say that again, Nick.

[Ron Kaplan] 11:57:45

Right.

[Frank Halasz] 11:57:49

You mean if you open the Zip, command.

[Ron Kaplan] 11:57:49

But.

[Nick Briggs] 11:57:52

No, if you open the file that is, has quarantined the executable.

[Frank Halasz] 11:58:01

Yeah, so this is, this is a whole. A hassle.

[Frank Halasz] 11:58:06

And I think we'll fix this when we, when I can finally sign these things, you know, with an email list.org signature and have it notarized and all that stuff.

[Nick Briggs] 11:58:12

Yes.

[Nick Briggs] 11:58:17

Yes.

[Frank Halasz] 11:58:18

This will go away. But this, what happens actually, is you run the medley, command.

[Nick Briggs] 11:58:19

Yes.

[Frank Halasz] 11:58:26

If you but then Ld. E. Is quarantined as well, and you get an error that's why you have to remove.

[Frank Halasz] 11:58:33

So if you open the medley, command, it runs medley. Okay?

[Frank Halasz] 11:58:42

Which doesn't include but then, when you get to Lde, Lde warrant team, it bombs out.

[Frank Halasz] 11:58:50

So it's a I will send out a message on this, but this is all like, I say, I'm not gonna release this in until I can sign it, and we'll get rid of these problems.

[Frank Halasz] 11:58:59

You can it.

[Larry Masinter] 11:58:59

I got this voicemail while we were the meeting, and I just press.

[Frank Halasz] 11:59:04

Oh!

[Larry Masinter] 11:59:05

But somewhere from Austin I thought it was spam without the developer program support.

[Frank Halasz] 11:59:08

Huh!

[Larry Masinter] 11:59:12

Collapse.

[Frank Halasz] 11:59:12

Yes, I got this. Yeah. And so they're gonna call you and ask that.

[Frank Halasz] 11:59:19

I. I have a legal right to sign up for the apple, develop regionalist.org. So.

[Larry Masinter] 11:59:22

Yeah, they did.

[Larry Masinter] 11:59:25

Hey? Great great you give us! Let's give them our ein.

[Frank Halasz] 11:59:29

I gave him our. We have a done in Bradstep number, which I had to give.

[Larry Masinter] 11:59:33

Do we? That's cool.

[Frank Halasz] 11:59:35

Yeah, so, I had to give them that. And I listed you as CEO of our corporation and you're the guy who can give permission for me to sign up for an apple version, anyway, anybody's on a Mac and likes to look at things.

[Larry Masinter] 11:59:44

Hey!

[Frank Halasz] 11:59:50

I also have a Dmg. Which you can download and run the Dmg.

[Larry Masinter] 11:59:54

Yeah.

[Frank Halasz] 11:59:56

To do a Dmg type install like in the applications or my applications, or your home Directory.

[Larry Masinter] 12:00:01

Hey, message? And this this morning, since I look last night.

[Frank Halasz] 12:00:05

Uhhuh.

[Larry Masinter] 12:00:07

I just happened. The family was over, and sitting in the living room, set out on my wife's computer because I wanted to finish the agenda, and I went to look for the installer, and it wasn't there last night around 8 Pm.

[Frank Halasz] 12:00:17

Uhhuh.

[Frank Halasz] 12:00:23

What wasn't.

[Larry Masinter] 12:00:27

This Gmg.

[Frank Halasz] 12:00:27

Well, yeah.

[Frank Halasz] 12:00:31

If you look now at it, sure, and on the releases page, you know the latest draft release and the Dmg.

[Larry Masinter] 12:00:34

Hey? Okay.

[Nick Briggs] 12:00:37

Yeah.

[Larry Masinter] 12:00:42

Right.

[Frank Halasz] 12:00:44

Installer, you know. There's an app in there so you can dial double click on the app, and when you double, click on the app it should start up inner list, except it doesn't, it's starts up in exits right away.

[Frank Halasz] 12:01:04

And that I have been I've been spending it.

[Frank Halasz] 12:01:08

I spent a full day trying to track this down. But basically, if you go and into the directory and run medley from that from the terminal, and then once you run it runs perfectly well, the medley from within the app in the terminal and then and then exit with a log

[Frank Halasz] 12:01:38

out. So you create a Vm file. Then double clicking on the app will work and.

[Nick Briggs] 12:01:45

You might have, you might have to give it permission to access files.

[Frank Halasz] 12:01:51

Oh, man! I I have been tracking this!

[Frank Halasz] 12:01:57

It has something to do with translocation.

[Frank Halasz] 12:02:00

Are you familiar with translocation? So if you download an app from the web now, and the and it's not signed when you first, when you first click on it, even if you you know, give it permission to say go ahead and do this, even though it's not signed it will copy that

[Nick Briggs] 12:02:03

Hmm!

[Nick Briggs] 12:02:13

Right.

[Frank Halasz] 12:02:25

app, or to a whole new location, completely a mysterious read-only location, and then execute from that read-only location.

[Frank Halasz] 12:02:38

But it doesn't copy the whole app, but only copies part of it, and I can't figure this out.

[Nick Briggs] 12:02:39

Okay.

[Frank Halasz] 12:02:45

And this only happens the first time you run a quarantine phone file, but it has to complete successfully before it on quarantines.

[Frank Halasz] 12:02:53

It, anyway, if you you guys don't wanna know this.

[Frank Halasz] 12:02:57

But look up trend location. If you're interested in the Maximime, it's.

[Nick Briggs] 12:02:59

Yeah. And this is on which version of Mac OS.

[Frank Halasz] 12:03:03

I'm on running on Monterey.

[Nick Briggs] 12:03:05

Okay.

[Frank Halasz] 12:03:06

Yeah. But anyway, I'd like to feedback on the Dmg, if if you get a chance to look at it just to and I'll continue working on these other problems.

[Larry Masinter] 12:03:12
Hey!

[Frank Halasz] 12:03:18
So hopefully, most of these will go away when I can find sign.

[Frank Halasz] 12:03:21
It, and.

[Larry Masinter] 12:03:21
Yeah, I had some annoying. So, knowing that I have these minor little Pr is out.

[Nick Briggs] 12:03:35
On, on make or medley.

[Larry Masinter] 12:03:37
Medley and medley.

[Nick Briggs] 12:03:41
Yeah.

[Larry Masinter] 12:03:44
And they've been it's a different way of solving that problem.

[Larry Masinter] 12:03:51
I think there was some comments on the spider background to the anyway. Move things to be draft if they're not ready.

[Larry Masinter] 12:04:08
I just give it. If you have trouble getting to.

[Larry Masinter] 12:04:12
If you have trouble using Ron.

[Larry Masinter] 12:04:17
You might wanna look at might get this to. This is an idea.

[Larry Masinter] 12:04:23
See if it works.

[Nick Briggs] 12:04:24
Yeah. Oh, Frank, I push changes back into your Alpine compile branch, and I think that that's ready to merge.

[Frank Halasz] 12:04:32

Right? Okay, I will. I will find some time to test that.

[Frank Halasz] 12:04:43

But let me just let me just say the following, I abandoned the Alpine compile, for now, because it turns out when you compile an Alpine just naively just, you know.

[Frank Halasz] 12:04:56

See lane compile like we do. It doesn't run on a it.

[Nick Briggs] 12:05:02

Right cause. They use different C libraries.

[Frank Halasz] 12:05:05

Right? Right, so, yeah.

[Nick Briggs] 12:05:07

So, yeah.

[Frank Halasz] 12:05:10

Yeah, so I gotta figure out how to use the right C library on.

[Frank Halasz] 12:05:15

When I compile on Alpine.

[Nick Briggs] 12:05:17

Yeah. That'll be difficult. I mean the point. It's Alpine is great.

[Frank Halasz] 12:05:20

Yeah, yeah.

[Nick Briggs] 12:05:26

If you need to compile it and run it and produce some artifact that is not an executive like, make a new list load up, or something like that, because that is architecture independent and system right?

[Frank Halasz] 12:05:32

Right, right, yeah.

[Frank Halasz] 12:05:37

Yeah, yeah, yeah.

[Frank Halasz] 12:05:42

Right right right? Well, I mean I you know we can run it on if we you know, apt install Musil.

[Frank Halasz] 12:05:52

Then then the Alpine compiled stuff runs out of boon to.

[Frank Halasz] 12:05:57

But I don't wanna have to do that, so I'll figure I'll figure this out eventually.

[Nick Briggs] 12:05:58

Oh, yeah. Yeah. Yeah.

[Frank Halasz] 12:06:01

But you know the only reason I was doing that was to make our Github runners more efficient, and I just decided I had a lot of other stuff to work on rather than that part issue.

[Nick Briggs] 12:06:10

Yes, yes.

[Larry Masinter] 12:06:12

Yeah.

[Frank Halasz] 12:06:14

So I, I for now I've abandoned outline.

[Frank Halasz] 12:06:17

But we should merge that code in anyway, and but cause it's the right.

[Nick Briggs] 12:06:19

Yes.

[Frank Halasz] 12:06:24

You know, those are the right things to do, anyway. Right? Yeah.

[Nick Briggs] 12:06:25

It's the right thing to do, anyway, right? And anyone wants to run it on it, build it and run it on. Alpine needs that.

[Larry Masinter] 12:06:33

For it to help me produce a.

[Larry Masinter] 12:06:40

Video of intro to. I've set up some time on Monday, Wednesday, Friday of this week, 3 to 5 Pm.

[Larry Masinter] 12:06:53

Pacific time sign up on the and I'll schedule a meeting with you if you wanna spend an hour listening to me.

[Larry Masinter] 12:07:04

Go over this thing, and I'm hoping that between the sessions I can improve the talk.

[Larry Masinter] 12:07:13

So!

[Larry Masinter] 12:07:16

Anyone who wants to hear or ask questions, or Hi, what about the project?

[Larry Masinter] 12:07:24

I'm not saying, Hey, setup!

[tomwinans] 12:07:30

Is there a thing to read in advance?

[Larry Masinter] 12:07:33

No, this is, for I'm attending this to be for people who come to the Bay Area List group who might know a little bit about this a lot of people show up here we don't know anything about this it's been an interesting talk think they can learn from it so I

[tomwinans] 12:07:40

Got it?

[Larry Masinter] 12:07:54

don't want people to be prepared.

[tomwinans] 12:07:55

Hmm! Got it!

[Larry Masinter] 12:07:58

Right.

[Larry Masinter] 12:08:01

Yeah, that if you anyway, I schedule an hour, you can sign every 2 h if you want, and if you have a lot of questions of be happy to answer them as long as we record this session or the transcription.

[Larry Masinter] 12:08:17

This is great. Yeah. The transcript it'd be something that I could give to it.

[Ron Kaplan] 12:08:23

So where is the schedule? Where are the times?

[Larry Masinter] 12:08:27

I said, send you a doodle pool.

[Ron Kaplan] 12:08:31

Oh, okay.

[Larry Masinter] 12:08:32

To list for. Did you get something from that?

[Ron Kaplan] 12:08:36

Recently.

[Larry Masinter] 12:08:38

Yeah, like, last night.

[Ron Kaplan] 12:08:44

Oh, yeah, it did.

[Larry Masinter] 12:08:48

The doodle change the ui, I think, for the better, but if you're used to, it's been.

[Ron Kaplan] 12:08:55

Yeah, okay.

[Larry Masinter] 12:08:59

And if more than one of you sign up for the same hour, that's fine.

[Larry Masinter] 12:09:03

Does have an audience. We can discuss things.

[Larry Masinter] 12:09:12

Alright! There's also a removed oh, I had!

[Larry Masinter] 12:09:21

There you had on running under Docker. There was the old page and the new one still there, and so this!

[Larry Masinter] 12:09:39

On, in the.

[Larry Masinter] 12:09:47

So moved to. It's in Bubba's advice.

[Frank Halasz] 12:09:54

Yeah, so what is so right now, though, what I wrote up for windows, I mean, we're all set up, although you had some problems.

[Frank Halasz] 12:10:04

Larry, which I have to fix, but I think we need to do some code signing.

[Larry Masinter] 12:10:07

Great.

[Frank Halasz] 12:10:11

There. Which actually guess we do a question. Do we have already an Italist stuff x 509.

[Frank Halasz] 12:10:21

Certificate for code signing anybody. Okay? So we have to sign up for that, too.

[Larry Masinter] 12:10:22

No, we do not.

[Frank Halasz] 12:10:26

Cause windows uses the standard x 509.

[Frank Halasz] 12:10:32

Certificate and apple uses something else, or maybe it's a standard.

[Frank Halasz] 12:10:36

But it's issued by Apple. So code signing will help. There.

[Frank Halasz] 12:10:44

But the question is, should we have a separate page for running on Docker?

[Larry Masinter] 12:10:50

My, what, what I propose. Here was a separate page for everything.

[Frank Halasz] 12:10:51

And.

[Larry Masinter] 12:10:56

Is it basically someone who directions? The redirection is from one page, and you don't want them to redirect.

[Frank Halasz] 12:11:03
Okay.

[Larry Masinter] 12:11:04
It's from another page.

[Frank Halasz] 12:11:06
Right.

[Larry Masinter] 12:11:07
So that's how I made it.

[Larry Masinter] 12:11:25
So!

[Larry Masinter] 12:11:32
Anyway.

[Frank Halasz] 12:11:34
Alright! I'll take a look at that and see.

[Larry Masinter] 12:11:36
Right? Yeah, that's it's just simply not.

[Frank Halasz] 12:11:40
Yeah, okay. And I have personally never tried running.

[Larry Masinter] 12:11:42
Alright!

[Frank Halasz] 12:11:48
Docker, medley docker on Linux, or Medley Docker on the Mac. So.

[Larry Masinter] 12:11:56
Yeah, it was all right to say, for now this is windows only.

[Frank Halasz] 12:12:01
Yeah.

[Larry Masinter] 12:12:02

Yeah.

[Larry Masinter] 12:12:06

Alright, anything else.

[Frank Halasz] 12:12:07

So, okay, yeah, I wanna ask Nick one more question to follow up.

[Frank Halasz] 12:12:12

Is there any reason that we don't compile? Ld. And Ld.

[Frank Halasz] 12:12:17

X. Static rather than with dynamic libraries.

[Nick Briggs] 12:12:25

Because it uses these apple system libraries, and you don't want those static or you won't be able to move it between different versions of Mac OS and the only other library.

[Nick Briggs] 12:12:46

It depends on is the court, the x. 11, the exports library, and I think same issue.

[Nick Briggs] 12:12:56

There, you kind of don't. You may not be able to transport it between Mac OS versions.

[Frank Halasz] 12:13:05

Hmm!

[Frank Halasz] 12:13:12

Okay.

[Nick Briggs] 12:13:16

And what would be the benefit? Do you think of compiling statically?

[Frank Halasz] 12:13:24

Well, in general, I think it would make it a little bit more portable on.

[Frank Halasz] 12:13:32

On Linux is, but maybe not. I'd have to think about that.

[Nick Briggs] 12:13:35

Oh! It sure, but sure. Well, we can files. Yeah, I mean, we have different scripts, you know.

[Nick Briggs] 12:13:43

We could compile statically on one OS and not the other.

[Frank Halasz] 12:13:46

Linux. Yeah. Okay. Yeah. Alright, I. I just curious.

[Nick Briggs] 12:13:48

Right. I mean, that's.

[Frank Halasz] 12:13:52

So they have been. Make sense to me. Now. The other question I had for some reason we compile on Linux the make, the make files compile with on Amd.

[Frank Halasz] 12:14:08

64, but with Gcc. On the armed processors.

[Nick Briggs] 12:14:13

Yeah, so that's historical. The fact that we compiled with ceiling on on Linux at all was because we were having issues with the Gcc.

[Nick Briggs] 12:14:28

Compiled code failed in weird ways, but the claim code did not.

[Frank Halasz] 12:14:30

Hmm!

[Nick Briggs] 12:14:37

And so I just said, Well, I am not gonna go figuring out what's busted about the Gcc.

[Nick Briggs] 12:14:44

Out output so. But Gcc on the arm, I guess.

[Frank Halasz] 12:14:45

Right.

[Nick Briggs] 12:14:54

Worked works.

[Nick Briggs] 12:14:59

You know if I Gcc. Is well, in fact, actually no compilers are installed by default for the basic.

[Frank Halasz] 12:15:08

Right, right, yeah.

[Nick Briggs] 12:15:09

And.

[Nick Briggs] 12:15:12

I don't know which one would be more popular.

[Frank Halasz] 12:15:16

I I have no idea. I mean I you know I'm looking at the automated builds, and I can do either one cause I, you know, install C laying and Gcc on on the runners, or they're they're probably pre installed

[Frank Halasz] 12:15:35

on the runners. I probably don't have to install them.

[Nick Briggs] 12:15:35

I think they are pre installed on this.

[Frank Halasz] 12:15:36

Yeah, yeah, so I, I didn't know if there was any rhyme or reason.

[Larry Masinter] 12:15:38

Hey!

[Frank Halasz] 12:15:41

I mean the sea laying not work on the arm processors.

[Nick Briggs] 12:15:46

I don't know. I don't have phones, so I've never tried it.

[Frank Halasz] 12:15:47

No. Okay.

[Larry Masinter] 12:15:49

Awesome.

[Frank Halasz] 12:15:53

Yeah, well, I'm actually working on another project that uses risk 5.

[Nick Briggs] 12:15:54

Yeah, okay.

[Larry Masinter] 12:16:01

Yes.

[Frank Halasz] 12:16:02

It's. It's a little early on on the tool side for the risk.

[Larry Masinter] 12:16:04

Yeah.

[Frank Halasz] 12:16:07

5 stuff. It works, I mean, but do we wanna do?

[Larry Masinter] 12:16:11

Right.

[Nick Briggs] 12:16:13

My guess is that if you tried it you might find that it just worked.

[Frank Halasz] 12:16:17

The ceiling. Yeah. An arm. Yeah.

[Nick Briggs] 12:16:18

Yeah, I mean, any c compiler on any I like, even on the risk.

[Nick Briggs] 12:16:25

5, right? If you've got basic, you know, stuff working.

[Frank Halasz] 12:16:26

Right, yeah.

[Frank Halasz] 12:16:32

Right, right.

[Larry Masinter] 12:16:32

Yeah, I had in my keep on thinking about taking a notepad.

[Larry Masinter] 12:16:44

Like remarkable, we could get messy running on.

[Larry Masinter] 12:16:48

That would take advantage of the fact that we're only black and white.

[Frank Halasz] 12:16:51

Right? Well!

[Nick Briggs] 12:16:51

Yeah, well, people have madly running on Android phones.

[Nick Briggs] 12:16:58

So!

[Larry Masinter] 12:17:00

Yeah.

[Frank Halasz] 12:17:01

So they did that through a Linux kind of box on the phone, right?

[Frank Halasz] 12:17:07

The Linux app.

[Nick Briggs] 12:17:07

Hmm, yeah, I guess it is.

[Frank Halasz] 12:17:10

Yeah.

[Larry Masinter] 12:17:11

It was x 11 app. I think it was the main thing they needed.

[Nick Briggs] 12:17:16

Termux.

[Frank Halasz] 12:17:17

Yeah, that's it term bucks. Yeah.

[Michele Denber] 12:17:19

Is a Linux distribution for Android.

[Frank Halasz] 12:17:21

Yeah, yeah, yeah.

[Michele Denber] 12:17:26

And it's huge, too.

[Larry Masinter] 12:17:29

Yeah, but yeah.

[Nick Briggs] 12:17:31

If you have an android phone, you probably have a micros.

[Michele Denber] 12:17:36

Christine, Yup!

[Nick Briggs] 12:17:36

Sd. Card put it on.

[Frank Halasz] 12:17:38

Yeah.

[Larry Masinter] 12:17:38

Hey? Good! Does it?

[Matt Heffron] 12:17:38

Not. Really. They're taking those away. Most of the newer Android phones help the memory install, and they are not upgraded.

[Matt Heffron] 12:17:45

All, my Samsung S. 22 has 1 TB inside and no chip anymore.

[Nick Briggs] 12:17:49

Yeah.

[Frank Halasz] 12:17:49

Yeah.

[Nick Briggs] 12:17:53

Wow!

[Larry Masinter] 12:17:53

Right, yeah.

[Frank Halasz] 12:17:53

Yeah, so my I've had pixel phones the last I have a 3 pixel 3 now, Pixel, 6 from Google.

[Nick Briggs] 12:17:58

Yeah.

[Frank Halasz] 12:17:59

They have no Sd card anymore.

[Larry Masinter] 12:18:02

I'm still trying to figure out what to do. But Pen only.

[Larry Masinter] 12:18:09

For medley, how we could make a user interface. That was way decent.

[Nick Briggs] 12:18:10

Yeah.

[Frank Halasz] 12:18:16

For? What?

[Michele Denber] 12:18:18

Yeah.

[Larry Masinter] 12:18:18

Do you have a tablet? How do you emulate the 3 button miles?

[Frank Halasz] 12:18:19

Oh, yeah, right?

[Nick Briggs] 12:18:21

Yeah.

[Frank Halasz] 12:18:24

Yeah.

[Frank Halasz] 12:18:28

Well, has anybody? Has anybody got it running on an ipad?

[Frank Halasz] 12:18:35

Is, that.

[Larry Masinter] 12:18:36

Good to go get the running on this ipad.

[Larry Masinter] 12:18:42

Get the dos version ready on is ipad is in a dollar simulator.

[Frank Halasz] 12:18:43

Oh!

[Frank Halasz] 12:18:49

Doesn't seem like it should be all that hard, but.

[Frank Halasz] 12:18:53

You'd have to get an X on your ipad for next windows on your ipad.

[Larry Masinter] 12:18:58

Yeah. Produce a version of badly, Michael, the talk to the to a screen bitmap.

[Nick Briggs] 12:19:08

Display. Yeah. Yeah. So oh, I guess I could say something if there we have a couple of minutes.

[Nick Briggs] 12:19:17

I so the color stuff.

[Nick Briggs] 12:19:26

There's a there's a pound defined in the source code for color.

[Nick Briggs] 12:19:32

If you turn that on, then it depends on the sun.

[Nick Briggs] 12:19:39

Open Windows, lib pics wrecked, which doesn't exist on even Solaris anymore.

[Nick Briggs] 12:19:48

And it depends on being able to open Devf B, the frame buffer and to map the screen.

[Nick Briggs] 12:20:00

Memory into the process which it then associated with a lisp bitmap and that's how you got the excuse me, you got the the large bitmaps gotten involved because you passed the address of a large bitmap down to the Mak.

[Nick Briggs] 12:20:26

Code, and it would.

[Nick Briggs] 12:20:30

Arrange for that to be mapped onto the 8 bit color.

[Nick Briggs] 12:20:37

Provided by Dev Fb.

[Nick Briggs] 12:20:44

You know, none of that stuff really exists on modern machines.

[Nick Briggs] 12:20:50

I'm not sure if you can even well, I know that we ran into a problem when Sun introduced the thread, accelerated the gpu, accelerated frame buffers that they no longer provided they memory map option, and we ended up having to get older

[Larry Masinter] 12:21:03

Okay.

[Nick Briggs] 12:21:14

frame frame buffers, put it into the machines.

[Larry Masinter] 12:21:19

Matt heffron something about running color on an HP knife.

[Matt Heffron] 12:21:21

Yes.

[Matt Heffron] 12:21:24

HP, ux, yeah. Random. Hpx, I was just thinking that says it can't be totally dependent on son.

[Nick Briggs] 12:21:27

Well, if you had lip pix racked, then you're there.

[Matt Heffron] 12:21:31

Only code.

[Nick Briggs] 12:21:36

You're good. I mean, it depends it. You opened Dev Fb.

[Nick Briggs] 12:21:40

You map it, and then you make calls to set the color map, and if HP.

[Nick Briggs] 12:21:50

Ux released a lib pics racked. Then you would be good.

[Matt Heffron] 12:21:53

I have no idea whether that existed.

[Larry Masinter] 12:21:57

Right.

[Matt Heffron] 12:21:57

25 years ago.

[Larry Masinter] 12:21:59

Yeah, there might be might be something that the.

[Nick Briggs] 12:22:09

I mean, we don't need it. We need to rewrite that piece of the code so that but again, you know, and it could do it to a an eight-bit X window or an eight-bit stl window right?

[Larry Masinter] 12:22:13

Right.

[Larry Masinter] 12:22:21

Hey!

[Nick Briggs] 12:22:26

The functionality that you need is jazza, memory, map, thing that's going to be displayed in color.

[Nick Briggs] 12:22:38

Changed the color map entries and basically bit, lit or bite lit.

[Nick Briggs] 12:22:48

Things right, but what it does not get you is anything like font, smoothing, or anything in that area right?

[Larry Masinter] 12:22:49

Hey!

[Larry Masinter] 12:22:58

Right. Well, hey? It would seem like.

[Nick Briggs] 12:23:00

It's Pixel, by Pixel.

[Larry Masinter] 12:23:12

Yeah, the 2 issues. I was thinking about direct Dnc.

[Larry Masinter] 12:23:25

That's the same problem in reverse.

[Larry Masinter] 12:23:29

It's far as display. Good!

[Nick Briggs] 12:23:31

Well, a Vnc display is another 8 bit memory mapped thing right. If we fix the code to do one, we can fix it to do all 3.

[Larry Masinter] 12:23:35
Right.

[Larry Masinter] 12:23:42
Right.

[Ron Kaplan] 12:23:42
So there is 8 bit and 4 bit display streams.

[Ron Kaplan] 12:23:47
Do those have anything to do with this? What are those about?

[Nick Briggs] 12:23:52
The 8 bit stuff images into a, yeah, into an 8 bit.

[Nick Briggs] 12:23:59
Display. Sure, that's the list side of this.

[Ron Kaplan] 12:24:02
But.

[Ron Kaplan] 12:24:04
That's the list side. So that's related to this.

[Ron Kaplan] 12:24:08
Those display streams.

[Larry Masinter] 12:24:09
Yeah, okay.

[Nick Briggs] 12:24:10
I believe so. I don't know about the 4 bit, but I believe you need the 8 bit stuff with the big bit maps because they weren't big enough.

[Ron Kaplan] 12:24:11
Uhhuh.

[Nick Briggs] 12:24:22
They regular bitmaps weren't big enough.

[Ron Kaplan] 12:24:25
So those are display, or someplace.

[Nick Briggs] 12:24:28
Yes.

[Larry Masinter] 12:24:28
Right.

[Ron Kaplan] 12:24:30
But then?

[Ron Kaplan] 12:24:33
So that's the Lisp side, but there's there's no there's no destination.

[Ron Kaplan] 12:24:38
What's the problem?

[Nick Briggs] 12:24:38
Well, you can make. You can make 8 bit bitmaps.

[Ron Kaplan] 12:24:43
Yeah.

[Nick Briggs] 12:24:43
Then list right? There's just no place to map them onto a display.

[Ron Kaplan] 12:24:48
So so that's the problem, the problem. But.

[Nick Briggs] 12:24:50
Yes, yeah. And that was implemented it used to be Lde single and Lde multi, were the 2 executables.

[Ron Kaplan] 12:25:01
Uhhuh.

[Nick Briggs] 12:25:03
One did a single screen, and one, and I think, held multi-did monochrome plus color.

[Nick Briggs] 12:25:11
Again, all through Dev Fb.

[Nick Briggs] 12:25:16

And we have all the C code that ever existed for this.

[Nick Briggs] 12:25:23

And I've looked at much of it. Not all of it, but.

[Nick Briggs] 12:25:29

But when the X 11 stuff came along, a lot of the A lot of the direct access to the frame buffer stuff was was kind of abandoned.

[Larry Masinter] 12:25:43

Bye!

[Larry Masinter] 12:25:46

I'm just. I'm trying to reconcile Matt getting a system that is not described in in our any of the release notes we have.

[Larry Masinter] 12:26:00

It releases to talk about color.

[Larry Masinter] 12:26:05

Oh, is it done after medley, too?

[Matt Heffron] 12:26:11

This would have been mid nineties, probably. I remember I was on it right up to the point where they said we had Hpx.

[Matt Heffron] 12:26:20

Was not going to support that version of the operating system across the Y Twok boundaries and we weren't going to buy all new machines.

[Matt Heffron] 12:26:29

That work. So so it wasn't. It was near the end of the nineties when we were running stuff on Hpox.

[Larry Masinter] 12:26:34

Right.

[Larry Masinter] 12:26:37

Alright!

[Michele Denber] 12:26:37

Yeah, I was running it in color. Kodak, 1995.

[Michele Denber] 12:26:41
So!

[Nick Briggs] 12:26:41
Yes.

[Nick Briggs] 12:26:44
And that would have been the memory maps, color, frame, buffer.

[Michele Denber] 12:26:49
Correct.

[Nick Briggs] 12:26:51
8, bit.

[Michele Denber] 12:26:51
Right.

[Matt Heffron] 12:26:53
Yeah, I don't know how it was implemented, and obviously on the Hpx.

[Larry Masinter] 12:26:54
And Michelle was said.

[Matt Heffron] 12:27:00
I do know that it just ran, and it was running in an ex environment.

[Larry Masinter] 12:27:09
In color.

[Matt Heffron] 12:27:10
In color.

[Nick Briggs] 12:27:14
Are you sure it was actually an X window, or was it taking a chunk of the screen and?

[Matt Heffron] 12:27:21
That I have no idea how it was done. All I know is from appearances.

[Larry Masinter] 12:27:27
Then it was a standard release. Good!

[Larry Masinter] 12:27:33

Hmm!

[Nick Briggs] 12:27:38

Yeah, I mean, there's there's.

[Nick Briggs] 12:27:45

There's notes about.

[Nick Briggs] 12:27:49

I mean, there's notes about HP. Ux in places.

[Nick Briggs] 12:28:07

There used to be. Did we strip them out?

[Nick Briggs] 12:28:15

Okay.

[Nick Briggs] 12:28:19

Okay, there. There is no, there's no mention of HP, ux in the.

[Nick Briggs] 12:28:27

Sources, but I thought at the moment, but I thought I remembered.

[Nick Briggs] 12:28:36

Yeah, in there at some point, cause there, there were things that it had to do differently.

[Nick Briggs] 12:28:58

I'm just looking back at the inverse files.

[Nick Briggs] 12:29:03

Yeah, there's a bunch of stuff about, if defined.

[Nick Briggs] 12:29:07

HP, ux.

[Nick Briggs] 12:29:11

Options for the HP. Series 700 800 under HP.

[Nick Briggs] 12:29:16

Ux and X windows.

[Nick Briggs] 12:29:21

And it. There were things compiled with no picks wrecked.

[Nick Briggs] 12:29:27

Okay. It was. Define. Aix. Define. HP, ux.

[Nick Briggs] 12:29:35

Define no ether, to find, no pixels to find. HP.

[Nick Briggs] 12:29:40

9 thousands to find HP. Timer bug and no euro keyboard.

[Nick Briggs] 12:29:56

And I'm not. I can't see. Okay. So there's.

[Nick Briggs] 12:30:05

Yeah. Okay, everything. HP, ux got stripped out.

[Nick Briggs] 12:30:09

At some point.

[Larry Masinter] 12:30:15

Interesting.

[Larry Masinter] 12:30:20

So they list a lot of chunk in there and under.

[Larry Masinter] 12:30:23

If this isn't stripped out.

[Nick Briggs] 12:30:27

Yeah, it make a 2 point. Oh, final headache ux all over it.

[Larry Masinter] 12:30:34

Right.

[Nick Briggs] 12:30:44

And risk OS.

[Nick Briggs] 12:31:11

And I'm just looking for the color stuff.

[Nick Briggs] 12:31:27

Okay, so.

[Nick Briggs] 12:31:32
Yeah, okay, so it had. It had the no pics racked.

[Nick Briggs] 12:31:41
Define for, and which?

[Nick Briggs] 12:31:47
Yeah.

[Nick Briggs] 12:31:54
So!

[Nick Briggs] 12:32:01
Yeah, so the code is mostly the same. As what's there now?

[Nick Briggs] 12:32:07
It's just the no pics rack stuff.

[Nick Briggs] 12:32:12
It defines her gone!

[Nick Briggs] 12:32:16
And it's the Lde multi- version where.

[Nick Briggs] 12:32:26
Hmm!

[Larry Masinter] 12:32:29
So it looks like bbt, sub. That's a non pixel version.

[Nick Briggs] 12:32:34
Yeah, there may be. Yeah. But you know, fundamentally, it comes down to.

[Nick Briggs] 12:32:43
We we can make it work on it, display.

[Nick Briggs] 12:32:46
It's just that it doesn't works the way it used to with Dev Fb.

[Larry Masinter] 12:32:52
Right.

[Nick Briggs] 12:32:53

And we have to provide alternatives for all of the Pixar Act stuff.

[Larry Masinter] 12:33:12

Oh!

[Larry Masinter] 12:33:15

I'm having that one of our. They have very skinned up with some of this stuff.

[Nick Briggs] 12:33:24

Yeah. Well, it won't be someone who's new to the code completely.

[Larry Masinter] 12:33:30

Yeah, and anyway.

[Matt Heffron] 12:33:35

And they better know a lot about X to know what it was doing.

[Nick Briggs] 12:33:39

Yeah.

[Larry Masinter] 12:33:42

Hey!

[Nick Briggs] 12:33:43

Oh, well, the X Code still works the same.

[Larry Masinter] 12:33:47

Right.

[Larry Masinter] 12:33:50

Anyway.

[Nick Briggs] 12:33:50

But they there's no there's no evidence of that being color stuff in the X code.

[Larry Masinter] 12:34:00

Right.

[Nick Briggs] 12:34:00

That's what confuses me about.

[Larry Masinter] 12:34:03

Yeah.

[Larry Masinter] 12:34:06

Or even the next machine hit 2 bits for Pixel.

[Nick Briggs] 12:34:10

Yeah.

[Larry Masinter] 12:34:11

And they got at least some kind of so.

[Nick Briggs] 12:34:20

Oh, sure, I mean yes, but they designed it to do that right.

[Larry Masinter] 12:34:26

Yeah, I know that.

[Nick Briggs] 12:34:27

Where the list. You know the the way, the color.

[Nick Briggs] 12:34:34

I think there's code in there to colorize a bitmap for a font right?

[Larry Masinter] 12:34:36

Right.

[Nick Briggs] 12:34:37

That does that takes a one bit per pixel, black and white font, and it changes it to an 8 bit per pixel within exactly the same number of pixels, with exactly the black and white right from the color map, and the color mapps you know.

[Larry Masinter] 12:34:52

Yeah.

[Nick Briggs] 12:34:58

The color maps didn't have a whole lot of gray in them.

[Larry Masinter] 12:35:02

Hey!

[Nick Briggs] 12:35:02

I. And yeah, sure you could, you could change the code that colorizes so that it.

[Larry Masinter] 12:35:10

Yeah, no, I I have a weirder idea that that's somehow we could use.

[Larry Masinter] 12:35:18

They primitive of display line. Yeah, so you do it.

[Larry Masinter] 12:35:27

A line at the time, either the sequence of you, the characters, and a modern fine, and it will fill in the rectangle.

[Larry Masinter] 12:35:36

By calling the OS.

[Larry Masinter] 12:35:41

And then use bliss. Care you define as living in one character string, and every time you type another character in the Reformats.

[Nick Briggs] 12:35:54

And.

[Larry Masinter] 12:35:54

If you add, Kara, if you add a character, it makes it either the same size or longer that never screwed her. If you have a manager, he might be able to do this at.

[Larry Masinter] 12:36:13

So that's my wish list.

[Nick Briggs] 12:36:17

Do not, I guess.

[Larry Masinter] 12:36:18

Exactly.

[Ron Kaplan] 12:36:20

There's something called the mit edit blit care that's putting up the characters.

[Ron Kaplan] 12:36:26

And it says, if Baker's the machine type, it does a subur call, and otherwise it does.

[Ron Kaplan] 12:36:32

It's own bit lit.

[Nick Briggs] 12:36:34

Yeah, yeah.

[Ron Kaplan] 12:36:39

Machine into.

[Larry Masinter] 12:36:39

Right? Yeah, basically, how do we eliminate?

[Nick Briggs] 12:36:54

Well!

[Nick Briggs] 12:36:58

How do you read back from the font bitmap that you're displaying on the screen?

[Larry Masinter] 12:37:06

Hey, Joe!

[Nick Briggs] 12:37:07

Well!

[Larry Masinter] 12:37:08

Your feedback, the the color of the screen. So you're right.

[Larry Masinter] 12:37:14

You're right with this, and you don't get any.

[Larry Masinter] 12:37:19

If you want to find a raster for a single character, you rasterize, aligned with a single character in it.

[Larry Masinter] 12:37:28

Is this, as you build up? You don't just concatenate the lines.

[Larry Masinter] 12:37:33

You redisclay!

[Nick Briggs] 12:37:36

Yeah. And then when you fire up, edit bm, on some pieces.

[Larry Masinter] 12:37:42

Well, the other Bm. Has to work with killer bid maps to it.

[Larry Masinter] 12:37:48

We'll get back the whatever you have a background and a color fun on top.

[Larry Masinter] 12:37:55

It'll get back the combination easy. We always read back bitmaps. Just don't have a readback phones.

[Nick Briggs] 12:38:03

Right? Right? Right? Yeah, yeah. So I mean, yeah, it has. It has to actually show up. The rasterized character has to show up in the screen bitmap in a way that you've read it back.

[Larry Masinter] 12:38:15

Yes, right?

[Larry Masinter] 12:38:20

Yeah. Anyway, , this is, this is a factory.

[Larry Masinter] 12:38:29

Maybe.

[Larry Masinter] 12:38:32

As you get more volunteers, hey? Get more ambitious.

[Nick Briggs] 12:38:40

Well, let's fix the stuff that!

[Larry Masinter] 12:38:42

Yeah, we'll fix it stuff. We have the resolution version works much better than I expected.

[Nick Briggs] 12:38:46

Yeah.

[Larry Masinter] 12:38:54

The Sophie put in, although I'm not sure that the.

[Larry Masinter] 12:39:03

The interaction between the window size. Right now you could change those screen size.

[Larry Masinter] 12:39:11

By doing a log out and restarting with the new sides.

[Nick Briggs] 12:39:18

Yeah.

[Larry Masinter] 12:39:20

But you can't do that, dude. I can imagine writing.

[Larry Masinter] 12:39:26

Little hack that would log out and restart from the Vm.

[Larry Masinter] 12:39:32

With the different screen size.

[Nick Briggs] 12:39:42

Yeah, I mean, what are you running with? No scroll windows or something?

[Larry Masinter] 12:39:47

Doesn't matter.

[Larry Masinter] 12:39:51

How about a different resolution?

[Nick Briggs] 12:39:56

Yeah, okay.

[Larry Masinter] 12:39:56

Hey! Good!

[Nick Briggs] 12:40:01

I mean, there's no reason it can't just really allocate.

[Nick Briggs] 12:40:08

They this the memory for the screen?

[Larry Masinter] 12:40:12

Right.

[Larry Masinter] 12:40:15

And then the problem is that the when I do that when I give them a small screen to a big one, the windows are still in the the windows.

[Larry Masinter] 12:40:27

Are. We is David.

[Nick Briggs] 12:40:31

Yeah. Well, that's that's the list side.

[Larry Masinter] 12:40:32
For?

[Larry Masinter] 12:40:34
Yeah. The list side.

[Larry Masinter] 12:40:40
So you have a Cisco which had some things I like to, and you move to a bigger display.

[Larry Masinter] 12:40:48
You know that's it's a kind of modernization.

[Ron Kaplan] 12:40:52
But you know I do have that in Lfg that you know, because we're doing Demos and different.

[Larry Masinter] 12:40:53
Yeah.

[Ron Kaplan] 12:40:59
And people were using different things. So kinda the small screen, big screen or something you know, that's something.

[Ron Kaplan] 12:41:07
After sisal forms and looks at the screen size and stuff.

[Larry Masinter] 12:41:10
Yeah.

[Nick Briggs] 12:41:10
Yeah, so you know what? Yeah? So you know what the constraints are on the windows that you put up.

[Ron Kaplan] 12:41:14
You know.

[Nick Briggs] 12:41:21
But if you know Larry wants every application to I mean when.

[Larry Masinter] 12:41:27
Right.

[Ron Kaplan] 12:41:27
Well, I mean so there are 2 things. One is, does an application need to know about constraints

on its window allocation, the other it is.

[Nick Briggs] 12:41:39

Or what do you intend to do or what the intent of the user was when they placed the window?

[Ron Kaplan] 12:41:41

Yeah.

[Larry Masinter] 12:41:44

Hi!

[Ron Kaplan] 12:41:45

Well, so I put in a list. Users package called Region Manager.

[Nick Briggs] 12:41:53

Yeah, yeah, yeah.

[Ron Kaplan] 12:41:54

Okay? Which you know, which was part of what was in the elevator.

[Ron Kaplan] 12:42:01

Stuff. But I did that because, you know, and I didn't integrate it with tea, with S, which is where it's really needed.

[Ron Kaplan] 12:42:09

Is the set of windows come up all over the place, and you put them down, and they come up again and they, you know it's trying to do its own management.

[Ron Kaplan] 12:42:20

But I do have it set up, at least in my environments, so that there are a couple of regions that are already out there that have constraints on them, and so forth, for at least the out of windows where I could manage it so but that's where an application gets to start when you're

[Nick Briggs] 12:42:30

Yeah.

[Larry Masinter] 12:42:36

Yeah.

[Ron Kaplan] 12:42:37

bringing up a window of of of a region type.

[Ron Kaplan] 12:42:43

Like a tea at a window, or whatever it is, how you want it to manage its windows.

[Larry Masinter] 12:42:51

Alright!

[Ron Kaplan] 12:42:51

And let's different. Then you have an application that was built long ago, and you're moving it, and it has its windows allocated, coming up in a different environment.

[Larry Masinter] 12:43:00

Right.

[Ron Kaplan] 12:43:02

And you want some super code to say, Oh, I can make windows bigger because the screen is bigger, or I can move them towards the margins, because a little or there's some heuristics that you need to define.

[Larry Masinter] 12:43:13

Yeah, this screen is better.

[Ron Kaplan] 12:43:20

It would go around and look at all the windows that are there, and reshape them.

[Larry Masinter] 12:43:25

Yeah, this is one of these things where the best is pretty far away.

[Ron Kaplan] 12:43:29

Yeah.

[Larry Masinter] 12:43:31

We might be able to do something that was good enough to at least move around windows without resizing them, because weizing it.

[Ron Kaplan] 12:43:37

Yeah, so.

[Larry Masinter] 12:43:40

The exact window. There's no backing store, so can't Redisclay.

[Ron Kaplan] 12:43:47

Well, yeah, I mean, exactly. No, that's something I'm gonna get to, you know.

[Larry Masinter] 12:43:52

Yeah.

[Ron Kaplan] 12:43:52

I mean, I have some ideas about that.

[Larry Masinter] 12:43:56

Are they? The exact is mine may be a good framework, even though it's broken.

[Ron Kaplan] 12:44:03

Well, you know, again, when I get all this put together, and just converging, but is broken.

[Ron Kaplan] 12:44:19

I understand a lot that about, you know, these data structures in.

[Ron Kaplan] 12:44:26

And I've reworked a lot of them.

[Larry Masinter] 12:44:27

Right.

[Ron Kaplan] 12:44:28

Oh, no problem is the you know you have stuff distributed all over the place and finding all the dependencies was very difficult. And one thing that's in there that may be because of was in some places paying attention to the term table.

[Larry Masinter] 12:44:36

Right.

[Larry Masinter] 12:44:48

Right.

[Ron Kaplan] 12:44:49

And it seems to me that that ought to be an external format issue and kind of get out of it.

[Larry Masinter] 12:44:54

Term table defines, interrupts. Hello.

[Ron Kaplan] 12:45:00

About the interrupts. It's about the fact that when you have a character that's a control character, you want to put an up arrow in front of it.

[Matt Heffron] 12:45:08

Sometimes.

[Nick Briggs] 12:45:09
Hmm!

[Ron Kaplan] 12:45:09
Well, you know again, if if you open the Tata and told it that it had a turntable you're telling it how to display these things in a way that's kind of inconsistent across all of and that's what I've discovered you know some places, are

[Ron Kaplan] 12:45:30
sensitive it may be, not measure the with properly, but it use up the screen space.

[Matt Heffron] 12:45:34
Hmm!

[Ron Kaplan] 12:45:37
Things like that. But you know, so I this all by way. I think that tea exact.

[Ron Kaplan] 12:45:46
Or an alternative to it, are more possible now. So.

[Larry Masinter] 12:45:51
Yeah.

[Larry Masinter] 12:45:55
Once you get done.

[Ron Kaplan] 12:45:55
Yeah, once I get done and the there's some really still, some goofy things to make this hard copy display has been distributed all over the place and I'm kind of contracting that back to in place.

[Larry Masinter] 12:46:07
Right.

[Ron Kaplan] 12:46:10
Oh.

[Larry Masinter] 12:46:11
Hey? Are you ready with any of this stuff?

[Ron Kaplan] 12:46:16
Well, the asserts there are tattered asserts in there that are very haphazard they're like, I've only

seen them in about 3 places.

[Larry Masinter] 12:46:22

Alright!

[Ron Kaplan] 12:46:28

So! Oh, the search and off the the problem!

[Larry Masinter] 12:46:28

Yeah.

[Ron Kaplan] 12:46:33

The problem is, too many people know whether or not they're scaling or unscaling according to whether you're in that hard copy display, mode what I'm trying to do actually is to unify so display.

[Ron Kaplan] 12:46:51

Oh.

[Ron Kaplan] 12:46:54

Formatting with the hard copy formatting. It could be.

[Larry Masinter] 12:46:58

Alright!

[Ron Kaplan] 12:46:59

Both of those are the most complicated pieces of code, and getting them to synchronize has been a mess.

[Ron Kaplan] 12:47:07

So I want the hard copy one to just be the display one with different fonts and different dimensions.

[Larry Masinter] 12:47:14

Yeah. Oh, yes. There's a different question about. We talked about color.

[Ron Kaplan] 12:47:21

Yeah, what about what?

[Larry Masinter] 12:47:21

What about big bats, big mid mats can be run with big big bats, and then if they're in the latter, is there?

[Larry Masinter] 12:47:30

Michael changes that need to be slice, then would allow your screen.

[Larry Masinter] 12:47:36

Buffer to be bigger than okay.

[Nick Briggs] 12:47:39

It's a different issue.

[Larry Masinter] 12:47:41

Yeah.

[Nick Briggs] 12:47:41

No, I mean sure.

[Larry Masinter] 12:47:44

And that's what I'm asking.

[Nick Briggs] 12:47:48

You can put in big bitmaps. But the list virtual memory layout.

[Nick Briggs] 12:47:55

Has that one space in it.

[Larry Masinter] 12:48:00

So this.

[Ron Kaplan] 12:48:00

So the bit are not overlaid by the screen.

[Ron Kaplan] 12:48:04

They're just off someplace, else.

[Nick Briggs] 12:48:08

The.

[Ron Kaplan] 12:48:10

Screen bitmap is can't be made a big bitmap.

[Nick Briggs] 12:48:14

Right.

[Larry Masinter] 12:48:14

Okay.

[Nick Briggs] 12:48:16

Well, I mean you could make it. You could make it referenced by a list.

[Nick Briggs] 12:48:22

Big bitmap object, but that doesn't make the virtual memory available to the screen any bigger.

[Ron Kaplan] 12:48:29

Right you would have to make the screen 4 times bigger. The screen, the screen, the screen storage 4 times bigger where each of the big bitmap coordinates mapped to a different section of it.

[Nick Briggs] 12:48:33

Yes.

[Nick Briggs] 12:48:36

Yes.

[Nick Briggs] 12:48:43

Or whatever. Yeah, strike.

[Ron Kaplan] 12:48:45

Yeah.

[Ron Kaplan] 12:48:49

And so that would be pre allocating some other larger size.

[Nick Briggs] 12:48:55

Yes.

[Ron Kaplan] 12:48:55

And so it it does that allocation of that space.

[Ron Kaplan] 12:48:59

When you say the screen parameters on the command line.

[Nick Briggs] 12:49:01

No, no, no, no, no! It there! There is always.

[Ron Kaplan] 12:49:07

Of maximum size.

[Nick Briggs] 12:49:09

The address space is always the same size, which is the maximum right.

[Ron Kaplan] 12:49:17

Sort of the 21%.

[Nick Briggs] 12:49:21

Yeah. And then, yeah, fakes up the bitmap to be the the display size within that space.

[Ron Kaplan] 12:49:34

So if I had a if I said I wanted a small display there'd be a lot of bits that wouldn't be used.

[Nick Briggs] 12:49:40

It would be a lot of address space that is not used.

[Ron Kaplan] 12:49:43

Yeah, yeah, that's what I mean. And there's no way of putting that bitmap outside of the address space.

[Nick Briggs] 12:49:46

Yeah.

[Ron Kaplan] 12:49:51

Is that what all this discussion is about?

[Nick Briggs] 12:49:54

Because you you can access it through our arbitrary list.

[Nick Briggs] 12:50:00

Memory operations right f bitmap bit, and you know, get base pointer and.

[Larry Masinter] 12:50:09

Right.

[Nick Briggs] 12:50:09

Those guys right? It's you know, it's what.

[Nick Briggs] 12:50:14

Open, curly closed, curly 22 comma.

[Nick Briggs] 12:50:20

Quadruple 0. Right? I mean, it's that segment in the layout of of the list. Memory.

[Larry Masinter] 12:50:35
Oh, we've exceeded us. Time for divide 45 min!

[Ron Kaplan] 12:50:39
Yeah.

[Ron Kaplan] 12:50:42
Yeah.

[Larry Masinter] 12:50:44
And.

[Larry Masinter] 12:50:53
So let's close up. I have to figure it out.

[Larry Masinter] 12:50:57
Way to put the transcript of the meeting.

[Nick Briggs] 12:51:00
Uhhuh.

[Matt Heffron] 12:51:01
Yup! Yup! I gotta go to the cemetery today.

[Matt Heffron] 12:51:04
Would have been Dead's birthday.

[Nick Briggs] 12:51:06
Yeah. Sorry.

[Ron Kaplan] 12:51:10
So!

[Larry Masinter] 12:51:12
Yeah.

[Ron Kaplan] 12:51:16
Okay.

[Larry Masinter] 12:51:17
Alright!

[Frank Halasz] 12:51:19

Alright gents! See you next week.

[Matt Heffron] 12:51:20

Okay, so you.

[Larry Masinter] 12:51:20

Yes, see you there, sweet, alright this week. See you online.

[Matt Heffron] 12:51:23

Same bad time, same bad channel.

[Nick Briggs] 12:51:26

Yeah.

[Larry Masinter] 12:51:30

And Monday, Wednesday, Friday, 3 to 5 Pm. If you like.

[Nick Briggs] 12:51:37

So go look at the list. Vm.

[Larry Masinter] 12:51:37

Yeah.

[Nick Briggs] 12:51:43

Layout right, and which memory spaces are where and then we can have a a better discussion about what could be done.

[Larry Masinter] 12:51:48

Yeah.

[Larry Masinter] 12:51:57

Well, I'm just puzzling. They had all this code for big baths, and for big Bmx screens.

[Larry Masinter] 12:52:05

And for color.

[Nick Briggs] 12:52:08

Yeah, but.

[Nick Briggs] 12:52:12

You know it, it still has to fit. Within the 256 Meg address space.

[Larry Masinter] 12:52:21

Right to be restricted to 8 bits per pixel.

[Nick Briggs] 12:52:27

Yeah, and you know, regular bitmaps couldn't take up your whole Vm right there.

[Larry Masinter] 12:52:38

Yeah.

[Nick Briggs] 12:52:40

I don't remember what the limit was on the width and heights of a of a regular small bitmap, but it was probably a small P.

[Nick Briggs] 12:52:55

For each of with and heights.

[Nick Briggs] 12:53:00

Possibly less than a small P. But.

[Larry Masinter] 12:53:05

Yeah, I don't know.

[Larry Masinter] 12:53:11

Alright!

[Ron Kaplan] 12:53:12

I mean there, there are all these indirects to the screen.

[Ron Kaplan] 12:53:20

And but you're worried about get-based. Somebody is doing a get-based to the screen bitmap as opposed to using a screen operation.

[Nick Briggs] 12:53:30

Well, that's what it that's what like.

[Nick Briggs] 12:53:35

Edit. Bm, does right it, you or like, if you call.

[Nick Briggs] 12:53:41

If you look at the variable, that is, the bitmap represented screen.

[Ron Kaplan] 12:53:45

But with that pm, actually doing, it's getting a it's getting like at a Pm.

[Ron Kaplan] 12:53:53

Is getting it has a bitmap, and the bitmap is just an object that is showing on the screen.

[Ron Kaplan] 12:53:59

It's not part of the screen. That bitmap.

[Nick Briggs] 12:54:01

You can. Actually, yeah, yeah, right? I mean, there's a bitmap here that points at the screen.

[Nick Briggs] 12:54:11

And you can change bits in there.

[Ron Kaplan] 12:54:20

Well, let me just say, if that a Pm.

[Ron Kaplan] 12:54:25

Was the was, the obstacle. Yeah, then I would fix that at the end.

[Nick Briggs] 12:54:27

No, it's not the only yeah, right?

[Ron Kaplan] 12:54:30

You know? Yeah, yeah.

[Nick Briggs] 12:54:35

But the assumption through the whole code base down there is is that the display is part of the address space.

[Nick Briggs] 12:54:54

And yeah.

[Ron Kaplan] 12:54:55

Yeah, I just don't understand them. Why, there is this indirection through this object of a screen which has all of its implementation stuff. You know this and that, whatever that is.

[Nick Briggs] 12:55:08

There is a.

[Nick Briggs] 12:55:11

There were multiple screens. Right? So there's and there's support in Meko for the color display and the monochrome display.

[Ron Kaplan] 12:55:14

Yeah.

[Nick Briggs] 12:55:22

And those are 2 different screen objects.

[Ron Kaplan] 12:55:25

And they would all have the same. They would all have bit maps that are taken out of the medley, memory space.

[Nick Briggs] 12:55:33

Yeah, I mean, the memory was mapped from the display into those spaces.

[Ron Kaplan] 12:55:40

Yeah.

[Larry Masinter] 12:55:45

Oh!

[Ron Kaplan] 12:55:46

Okay, sucks to be Us.

[Larry Masinter] 12:55:52

Yeah, you know, I have to remind ourselves that we're doing this all for fun.

[Ron Kaplan] 12:55:58

Yeah, yeah.

[Nick Briggs] 12:55:59

Yeah.

[Ron Kaplan] 12:56:01

Well, yeah. And I'm my current problem is, I have no idea he's.

[Ron Kaplan] 12:56:09

He adds 8 points to the left of all these lines, for the display.

[Ron Kaplan] 12:56:17

And then, but in hard copy, display. It doesn't pay attention to those 8 points, and I can't figure out why and there's something about X Office X offset from the clipping region.

[Ron Kaplan] 12:56:33

So I'm sort of trying to figure out. Why is the hard copy display?

[Ron Kaplan] 12:56:37

Not obeying the rules when nobody seems to know that that's what's happening.

[Ron Kaplan] 12:56:43

So I'm fooling around with. What if I make it 50?

[Ron Kaplan] 12:56:47

Where does it go? It's very funny, you know.

[Nick Briggs] 12:56:51

Yeah.

[Ron Kaplan] 12:56:53

Implementation of all this stuff.

[Nick Briggs] 12:56:57

There might have been things about, you know the cursor too close to the edge of the screen, and.

[Ron Kaplan] 12:57:03

Well, that's why he does. I mean if I if I if on an ordinary.

[Ron Kaplan] 12:57:11

Yeah, ordinary display line, he adds, the 8 points and if you don't do that it's too close to the margin, and it may be that that's where he puts the little gray boxes or something, I have to experiment a little bit more

[Nick Briggs] 12:57:12

Oh, and remember, there's the!

[Ron Kaplan] 12:57:26

so, but that parameters which is going into all of the the alignment parameters when you go to the hard copy display, it doesn't have an effect.

[Ron Kaplan] 12:57:46

And you have to add those 8 points in the middle of display line to the X offset of the clipping region to make it look the same way.

[Ron Kaplan] 12:57:55

So it's very strange that. And I think it was a mistake for him to do it in the formatting like you know, again, that's one of these things of why does the hard copy display do or not move things around?

[Nick Briggs] 12:57:57

That's weird.

[Larry Masinter] 12:58:03

Yeah.

[Nick Briggs] 12:58:12

Yeah.

[Ron Kaplan] 12:58:16

Because you know so what I'm what I'm doing.

[Ron Kaplan] 12:58:18

What I've done is to say, look, you know, the hard copy display gets different, you know, measures things in the font, the hard copy font, you know. Time, whatever it is.

[Ron Kaplan] 12:58:27

Times a 100, whatever it happens to be, and the margins are scale.

[Ron Kaplan] 12:58:31

This thing like that, and then that gets contracted down and goes off into the world as an ordinary line, so that nobody else needs to know that they have to scale it up or scale it down, or whatever it is, because you're going to screen points, eventually anyway, so I've got all that and that there's some funky

[Nick Briggs] 12:58:49

Yeah.

[Ron Kaplan] 12:58:54

things that some magic that's happening where it's getting extra 8 points.

[Ron Kaplan] 12:58:58

Sometimes I can't haven't been able to figure it out.

[Nick Briggs] 12:59:00

Yeah.

[Ron Kaplan] 12:59:02

I can make it, I can fake it. Yeah.

[Nick Briggs] 12:59:05

So there's a weird stuff about you.

[Larry Masinter] 12:59:06

Yeah.

[Nick Briggs] 12:59:11

Bring the cursory into the margin, and flips right, and and there are the little gray boxes and all of that, and none of that has to happen, for hard, choppy.

[Ron Kaplan] 12:59:25

This is not about hard copy. This is about hard copy display.

[Nick Briggs] 12:59:29

Display, right.

[Ron Kaplan] 12:59:29

Yeah. Well, hard copy is a separate, much easier because all the coordinates.

[Ron Kaplan] 12:59:39

You know the units never change.

[Ron Kaplan] 12:59:42

You know. It's a 100 times whatever Mike, you know, whatever it is.

[Nick Briggs] 12:59:44

Yeah.

[Ron Kaplan] 12:59:47

And so that never changes. You don't have to do this upscale and then downscale.

[Ron Kaplan] 12:59:53

Thank you. The with right. So it's just a weird thing about characters too close to the margin in hard copy display when everything is supposed to be the same.

[Nick Briggs] 12:59:53

Yeah, it's going right? Right?

[Ron Kaplan] 13:00:10

It's not supposed to know that's what it's doing, because, you know all it's happening in hard copy display is you're changing the with the width of the in the character back characters are the same.

[Nick Briggs] 13:00:13

Yeah.

[Nick Briggs] 13:00:20
The win!

[Ron Kaplan] 13:00:25
The font is the same with this display time, but you just measured it differently.

[Ron Kaplan] 13:00:33
And then you have to round the measurements as you're contracting them down to display points so that you move over for each character. Something at the end of the line gets you to the right margin at the right time.

[Nick Briggs] 13:00:42
Hmm!

[Ron Kaplan] 13:00:50
So it's so. I'm struggling with this one issue that I don't, and understand why, we're in the code.

[Ron Kaplan] 13:00:58
It knows this.

[Nick Briggs] 13:01:00
Do we have versions of that predating the introduction of hard copy, display, mode.

[Ron Kaplan] 13:01:08
Oh, I have no idea when that happened, you know, and I I mean I have several versions running.

[Ron Kaplan] 13:01:16
And I move things back and forth to compare the behaviors, and so forth, and in some cases the behavior in the past is not so good to travel.

[Nick Briggs] 13:01:26
Yeah, yeah.

[Ron Kaplan] 13:01:27
Our copy display was not faithful to the hard copy.

[Larry Masinter] 13:01:31
Right.

[Nick Briggs] 13:01:32
No, it was supposed to.

[Ron Kaplan] 13:01:33

Yeah.

[Nick Briggs] 13:01:38

Give you more of a sense of what it would look like when you, when you printed it.

[Ron Kaplan] 13:01:43

Well, it's a you know it does, and you know the characters kind of overlay, because the and that's what's supposed to do.

[Ron Kaplan] 13:01:51

But the margin should be the same.

[Ron Kaplan] 13:01:53

So it's only in the character space between the beginning of the line between the first character on the line, wherever that happens to be within 10, you know, and the right character, and and that indentation is not the same as the left margin, is the left margin is stable across

[Ron Kaplan] 13:02:15

the page, and then you have different paragraphs that are in in different ways, and that was all confused.

[Nick Briggs] 13:02:16

Yeah.

[Nick Briggs] 13:02:19

Paragraph again, yeah.

[Ron Kaplan] 13:02:25

But now the sex offset is getting set. One place I have to master scope it more carefully to figure it out.

[Ron Kaplan] 13:02:35

But anyway, that's sort of my, you know the thing that I've been working on this week, and it's supposed to come together throughout some places, 80% of the code to disappear.

[Nick Briggs] 13:02:36

Yeah.

[Ron Kaplan] 13:02:46

It's just to make zoom. So it's so simplifying and throwing it out and modularizing it so that all this is just in one place.

[Larry Masinter] 13:02:47

That's good.

[Larry Masinter] 13:02:56

Yeah.

[Larry Masinter] 13:03:00

Hello, look at the my new Prc code. Yeah, I threw a lot of stuff out of that.

[Ron Kaplan] 13:03:08

Out of the Prc.

[Larry Masinter] 13:03:10

Yeah. Well, cause it. If you live good, it's a to a.

[Ron Kaplan] 13:03:14

Where is that?

[Larry Masinter] 13:03:22

I checked, and I put in a your Fpi.

[Ron Kaplan] 13:03:27

That's in the tool or something.

[Larry Masinter] 13:03:29

Yeah, yeah. So if you lit if you don't wanna go through any of the origin remote thing you just wanted, tell it to run.

[Ron Kaplan] 13:03:31

Hmm!

[Larry Masinter] 13:03:39

Get this when they get started to comparing 2 files, because back to Liz.

[Larry Masinter] 13:03:50

It creates the directories by symbolically. Get 2 copies.

[Larry Masinter] 13:03:56

So it is the.

[Ron Kaplan] 13:03:57

So so you end up the list, sees both files so it can kind of do its thing.

[Larry Masinter] 13:04:05

Yeah.

[Ron Kaplan] 13:04:07

But all the stuff that I'm trying to do a fetching the files and.

[Larry Masinter] 13:04:11

Yeah, they go away.

[Ron Kaplan] 13:04:14

Well, that sounds good, because.

[Ron Kaplan] 13:04:18

You know I was floating on the edge. No.

[Larry Masinter] 13:04:19

Yeah, so it's set up for third party tip tools.

[Larry Masinter] 13:04:26

And the problem is that you can't call list as a 17 so made a new kind of object that the list was listening for.

[Larry Masinter] 13:04:39

There was just the names of the files, and then it would load those and compare them.

[Larry Masinter] 13:04:46

So it's put in a. It wasn't really ready for prime time, but it was something to look at.

[Ron Kaplan] 13:04:52

And so what it replaces is the stuff where I'm asking it to do the to tell me the files that have changed, and then I fetch the files.

[Larry Masinter] 13:05:04

Yeah, they rather than fetching the files. You say there's an option, and get to say, if this good you give a dash, dash, if to are you, man?

[Larry Masinter] 13:05:19

And then it will run that comparison program as a 17.

[Ron Kaplan] 13:05:27

Yeah. And so and the program that you're giving it is a monthly program.

[Larry Masinter] 13:05:33

Yeah, he said, I don't, really. I just wait for it to print out the names of the files. Let me see if I can show you the.

[Ron Kaplan] 13:05:43

So I'm trying to understand what it replaces.

[Larry Masinter] 13:05:46

Well, if you loaded, it doesn't replace anything.

[Larry Masinter] 13:05:51

It defines 2 new commands, Dbc. To maybe 6, 2, and Prc. 2.

[Ron Kaplan] 13:05:57

Yeah.

[Larry Masinter] 13:06:01

And then you could compare what it does.

[Ron Kaplan] 13:06:02

Okay. So I'll try. I've been, you know, this is all been on my stack because I've been, you know, trying not to multitask, because then no, I keep thinking.

[Larry Masinter] 13:06:10

Is there?

[Larry Masinter] 13:06:14

Yeah.

[Ron Kaplan] 13:06:16

Any day. Now I'll finish this other stuff.

[Larry Masinter] 13:06:17

Yeah, no worries on this.

[Ron Kaplan] 13:06:19

Yeah, when I was gonna get back to the you know, my next thing is, get back to the to get funds thing and try to do the thing with branches and the commits and stuff.

[Ron Kaplan] 13:06:31

But if this replaces that, then?

[Larry Masinter] 13:06:33

Yeah.

[Larry Masinter] 13:06:35

Just keep it in mind before you get it down that road.

[Ron Kaplan] 13:06:38

Yeah, okay, yeah, because I, the least amount of responsibility.

[Larry Masinter] 13:06:39

This might be a.

[Larry Masinter] 13:06:45

Yeah.

[Ron Kaplan] 13:06:47

Forget interactions the better off I am.

[Larry Masinter] 13:06:50

Idea that you look for.

[Larry Masinter] 13:06:57

It is to.

[Larry Masinter] 13:07:03

Hey? Yeah.

[Larry Masinter] 13:07:17

Demand, and then it.

[Larry Masinter] 13:07:27

It creates a copy of the modified files to it.

[Larry Masinter] 13:07:31

Temporary location, and before it directly def on them.

[Larry Masinter] 13:07:36

Yeah, that so, anyway, if you look at it, you'll see.

[Ron Kaplan] 13:07:41

Yeah. So all I need is the 2 files. Yeah, in a local, you know, file system.

[Larry Masinter] 13:07:45

Yeah.

[Larry Masinter] 13:07:49
Great. Yeah, it was a new feature to was added to get.

[Larry Masinter] 13:07:56
Good maybe 2 years ago.

[Ron Kaplan] 13:08:01
Okay.

[Nick Briggs] 13:08:08
The, yeah.

[Larry Masinter] 13:08:10
Yeah, I don't know. There was some option then.

[Larry Masinter] 13:08:18
To provide the name of the give tool. So I wrote a if you look at.

[Larry Masinter] 13:08:29
Let's see.

[Larry Masinter] 13:08:33
Medley.

[Larry Masinter] 13:08:40
The script called.

[Larry Masinter] 13:08:48
Let's get this.

[Larry Masinter] 13:08:52
In, the.

[Larry Masinter] 13:08:58
Then basically says, echo, weapon password compared dollar \$1 to dollar base well through waiting and reading.

[Larry Masinter] 13:09:11
So. So they give to a. This assumes that it's being called by, and just say it's.

[Larry Masinter] 13:09:33
Because with dash, dirty and.

[Larry Masinter] 13:09:51

And using merge phase.

[Ron Kaplan] 13:10:03

No problem I have as I can't run, though.

[Larry Masinter] 13:10:07

Anyway.

[Ron Kaplan] 13:10:13

The Prc. When it doesn't work. So I have to switch environments to do any reviewing right now.

[Larry Masinter] 13:10:18

Right.

[Larry Masinter] 13:10:24

Yeah. Well, you know, yeah, they have a couple of room environments around, anyway.

[Ron Kaplan] 13:10:26

Bye, yeah, okay.

[Ron Kaplan] 13:10:30

Yeah, yeah, so.

[Larry Masinter] 13:10:33

Yeah. Frank fixed it so that you don't overwrite.

[Ron Kaplan] 13:10:42

I've never had a trouble with the virtual memory.

[Larry Masinter] 13:10:46

No, it's better if you do log out on one that screws up that you had right, you know.

[Ron Kaplan] 13:10:47

I never do.

[Ron Kaplan] 13:10:51

Yeah, I never do a log out. I'm always doing this, you know.

[Ron Kaplan] 13:10:56

I'm always saying, Yeah, I'm never leaving and expecting to come back in the same way.

[Larry Masinter] 13:11:02

Alright!

[Nick Briggs] 13:11:02

Yeah, I usually log out tea and throw it away.

[Larry Masinter] 13:11:07

Hey!

[Larry Masinter] 13:11:09

I run with the idle program set to do a log out.

[Larry Masinter] 13:11:14

After 10 min is.

[Nick Briggs] 13:11:18

Yeah.

[Ron Kaplan] 13:11:18

I just leave her running all the time. Oh, sorry! Anything wrong with that!

[Larry Masinter] 13:11:23

That!

[Nick Briggs] 13:11:23

No!

[Ron Kaplan] 13:11:24

You know in fact, I have several of them running. I have the release. One.

[Ron Kaplan] 13:11:29

I have the current checkout branch, and I have my working one, and I'm always went back and forth.

[Larry Masinter] 13:11:38

So!

[Ron Kaplan] 13:11:39

Yeah, with the same files. The important thing. It turns out.

[Ron Kaplan] 13:11:41

And debugging this is, I have to make sure that all the tests use the same regions.

[Nick Briggs] 13:11:47

Yeah.

[Ron Kaplan] 13:11:48

Yeah.