

WEBVTT

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00:10:15.660 --> 00:10:26.760

michael.pinnella: I am Michael vanilla. I am my title is technology coordinator at Walton County Schools technology corners. Basically it director here.

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00:10:27.840 --> 00:10:33.420

michael.pinnella: We don't have a dedicated security person. So that's kind of fallen to me.

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00:10:36.030 --> 00:10:39.060

michael.pinnella: So I deal a lot with security and

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00:10:40.620 --> 00:10:47.220

michael.pinnella: And the different aspects of of of securing the network here, to the best of my ability, and

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00:10:48.720 --> 00:10:51.000

michael.pinnella: So we'd like to talk about that that

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00:10:52.110 --> 00:11:00.510

michael.pinnella: This is the first time I've done one of these. So if I'm tripping up over myself and those of you who know me know I really don't have any trouble talking at all. So,

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00:11:02.280 --> 00:11:14.310

michael.pinnella: Bear with me here is as I get my footing under me this again. My first session I'm I enjoy the subject security and I'm looking forward to speaking with everyone. I appreciate how many people showed up.

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00:11:15.720 --> 00:11:29.340

michael.pinnella: I was thinking, boy, I get for I'll be happy. So, so we got, like, eight times that which is super cool. Okay, so I didn't want to do an agenda for this because I wanted this discussion.

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00:11:30.450 --> 00:11:39.570

michael.pinnella: To just have everyone talk about what it is that their concerns and I figure what's really important to all of us. We just rise to the top.

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00:11:41.280 --> 00:11:45.090

michael.pinnella: Everybody is muted a kit and I

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00:11:46.140 --> 00:11:51.360

michael.pinnella: So what I'd like to do if you want to talk. Go ahead and

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00:11:53.940 --> 00:12:01.590

michael.pinnella: See if I unmute everybody you guys will have to be responsible for yourselves to mute yourself again if you're if you're in a loud background, but I'm

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00:12:03.030 --> 00:12:11.310

michael.pinnella: If you are wanting to talk and I can't, can we can't be heard of you show muted, just let me know. I'll make sure you're unmuted on this side.

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00:12:13.860 --> 00:12:22.740

michael.pinnella: And because I'm definitely interested in hearing everything. Everyone's got say so again this is a no agenda open discussion.

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00:12:24.450 --> 00:12:36.330

michael.pinnella: As it says here with David and technology professionals. It took me like two hours to write this first screen. So, and, and, as Steve was saying this morning, you know, he kind of feed off the feedback, a little bit because

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00:12:37.050 --> 00:12:49.650

michael.pinnella: I do try and make some jokes and since everybody's muted. It's so quiet and so I'm just going to pretend on comedian BOMBING AT A at a comedy club here and

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00:12:50.790 --> 00:12:51.720

michael.pinnella: Let's see.

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00:12:54.030 --> 00:12:57.090

michael.pinnella: I wonder if there's an unmute all button. Let me see.

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00:12:58.320 --> 00:12:59.400

Duty.

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00:13:03.600 --> 00:13:15.420

michael.pinnella: Okay, allow participants to unmute themselves. Okay, so at this point. Hopefully we don't get zoom bombed and one of you guys out there gals is not a

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00:13:16.740 --> 00:13:23.040

michael.pinnella: Student from the early days of zoom now zoom itself has really kind of come around.

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00:13:24.870 --> 00:13:31.590

michael.pinnella: They went from I think it was, if I'm not mistaken. I think they had 10 million users before coven

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00:13:32.970 --> 00:13:48.840

michael.pinnella: And then went up to 200 million in about two months and zoom is pretty much designed for the for the enterprise. So the security settings by default were pretty lacks if you are a

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00:13:50.910 --> 00:13:59.670

michael.pinnella: If you were in the meeting. You could pretty much send up to the screen, whatever you wanted you could say, speak whenever you wanted unmute yourself.

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00:14:00.840 --> 00:14:14.400

michael.pinnella: If you had the length you could just jump in more or less anonymously and Zoom's really come a long way with with tightening down their security there. They're still having some missteps.

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00:14:15.450 --> 00:14:21.540

michael.pinnella: They talk a lot about end to end encryption and of course when you get into the

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00:14:23.370 --> 00:14:31.530

michael.pinnella: You know the nuts and bolts of that. It's harder than it sounds. Especially if you are having calling users because the phone calls, need to be unencrypted

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00:14:32.550 --> 00:14:44.910

michael.pinnella: At zoom. So, but for the most part, month and a half ago or two months ago, I would have said, Stay away from zoom. This is not as him commercialize the battling but it's just

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00:14:45.960 --> 00:14:51.390

michael.pinnella: One of the first things that had come up when we were thinking warehouse. When we were thinking about doing

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00:14:53.970 --> 00:14:56.940

michael.pinnella: Distance Learning or in distance

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00:14:59.670 --> 00:15:04.950

michael.pinnella: Meetings and stuff. So we're we actually use Microsoft Teams but zoom definitely has come around.

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00:15:06.120 --> 00:15:13.200

michael.pinnella: We use Microsoft Teams because it's part of our Microsoft agreement. So we actually had

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00:15:14.310 --> 00:15:22.440

michael.pinnella: A guy from Microsoft come spend a couple of days with us. We do all the board meetings and everything on teams, the matter of fact, we've got one tomorrow night.

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00:15:25.830 --> 00:15:37.290

michael.pinnella: So yeah, so so remote meeting security have kind of tripped into that one. I don't know if anybody has any other comments about what they're using what they're doing it to

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00:15:38.640 --> 00:15:43.440

michael.pinnella: To secure that if any of you want to talk about that, if not just I'll go on to the next thing.

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00:15:43.860 --> 00:15:55.830

michael.pinnella: But remember to unmute yourself if you're talking right now. Your screen should be popping you up a message saying you're muted, but you should be able to unmute yourself if you can't go ahead and message me on that.

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00:15:57.000 --> 00:15:58.020

michael.pinnella: So,

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00:15:59.460 --> 00:16:03.930

michael.pinnella: So nobody is talking about June security.

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00:16:04.950 --> 00:16:06.300

michael.pinnella: give you all a minute there.

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00:16:08.790 --> 00:16:10.050

michael.pinnella: Okay, so

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00:16:11.370 --> 00:16:12.600

michael.pinnella: We'll move on to

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00:16:13.980 --> 00:16:18.720

michael.pinnella: That someone just unmuted Elizabeth Walden from Jackson County.

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00:16:18.810 --> 00:16:20.640

michael.pinnella: You are undeniable. Hey,

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00:16:21.810 --> 00:16:24.660

michael.pinnella: Great, great. Thanks for speaking up what you got.

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00:16:24.690 --> 00:16:37.440

Elizabeth Walden: Yes, I just wanted to see, um, you know, since everybody had changed into this, you know, stay at home thing send in home computers. I just wanted to see what other people were doing or what

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00:16:38.670 --> 00:16:50.070

Elizabeth Walden: You know what we really needed to worry the most about, you know, with the computers going home. What issues. Did that raise versus

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00:16:51.450 --> 00:16:54.270

Elizabeth Walden: You know, we're dealing with, you know, on campus.

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00:16:56.340 --> 00:16:59.280

Elizabeth Walden: All the computer. So what is was people doing

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00:17:00.750 --> 00:17:06.720

michael.pinnella: I know for us starting out on that and then anyone else can join in at a pause here.

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00:17:08.160 --> 00:17:25.230

michael.pinnella: It really was a scramble for for his craziest things were when the quarantine happened. I think a lot of districts really rose to the occasion. I mean, we were pulling laptop set of everywhere and creating the local user account, pretty much.

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00:17:26.850 --> 00:17:36.420

michael.pinnella: Or actually was a domain user, but it was all the same student log on which that has security implications in itself, but we wanted to be able to send computers home.



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00:17:37.920 --> 00:17:47.250

michael.pinnella: Cars, you know I you guys probably did the same way drove up to the schools and we just, we just gave them laptops and they signed a piece of paper.

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00:17:48.450 --> 00:17:50.460

michael.pinnella: And they took the laptops home to us.

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00:17:51.810 --> 00:17:53.100

michael.pinnella: So they're

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00:17:54.120 --> 00:18:05.460

michael.pinnella: Having some time now, and because it's, you know, we have a little yet. We all have a little bit more time for planning because we have a few more weeks before school starts actually another month or so, a little bit more

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00:18:06.720 --> 00:18:11.490

michael.pinnella: I'm wondering if if I don't know. I don't have any information on my own district.

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00:18:12.660 --> 00:18:22.830

michael.pinnella: Or what's going on in the state at the moment. But I'm wondering if we're, we're actually going to start school in classrooms again. So we have a little bit more time to plan this out and for us.

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00:18:24.330 --> 00:18:29.070

michael.pinnella: For the school is for the districts that are doing one to one. I think the feedback is

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00:18:30.300 --> 00:18:44.700

michael.pinnella: That there's a fair amount of loss of breakage and things like that. But that's not as much as security issue. I know, for us, we are concerned, is every other district is liability.

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00:18:45.840 --> 00:18:54.840

michael.pinnella: Especially for things like filtering and and I don't see anybody from my old district here, but that was, that was my mantra.

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00:18:55.590 --> 00:19:07.620

michael.pinnella: When I was out at the schools that the two things I was most concerned about our bandwidth and liability to the district and then everything else was a classroom management thing and

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00:19:08.640 --> 00:19:30.270

michael.pinnella: So for us, we are using I boss and I bought is not a user friendly platform their documentation is in my opinion is sparse at best old not updated hard to find it hard to follow. But when you call their tech support their Johnny on the spot. So they really helped us out.

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00:19:31.350 --> 00:19:39.990

michael.pinnella: If we plan. We're actually we've decided to do one to one and Middle School, which is a whole different conversation and

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00:19:40.800 --> 00:19:49.080

michael.pinnella: So we actually have the eyeballs client that's going on all of the computers that are going home with the students from pretty much this day forward.

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00:19:49.620 --> 00:19:58.440

michael.pinnella: And that I've asked client whether no matter where the students are, whether they're inside or outside the district is going to provide filtering.

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00:19:59.490 --> 00:20:02.910

michael.pinnella: So again, in terms of security.

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00:20:04.500 --> 00:20:10.470

michael.pinnella: Stuff that can come in on a student computer whether aware or on on site.

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00:20:12.240 --> 00:20:12.990

michael.pinnella: Really is.

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00:20:14.730 --> 00:20:16.860

michael.pinnella: As far as some of the big issues about

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00:20:18.210 --> 00:20:27.570

michael.pinnella: The governance and ransomware and stuff like that. It's, it's, it's a way for them to get in. But so we're hoping that the the eyeballs client works. It's again.

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00:20:28.590 --> 00:20:32.730

michael.pinnella: I'm more of a concerned about filtering for liability than necessarily

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00:20:35.610 --> 00:20:39.570

michael.pinnella: Other problems. So does anybody else want to chime in on on

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00:20:41.100 --> 00:20:51.480

michael.pinnella: Student access from home student laptops, anything like that. And when you want to jump in on that. Any comments or questions or anything. You're all dealing with, are we

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00:20:53.070 --> 00:21:01.860

michael.pinnella: I know that's a lot of that's real. Well, I'm not sure how many of you here are our IT people I think Elizabeth, you kind of do both, if I'm not mistaken.

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00:21:04.170 --> 00:21:09.180

michael.pinnella: And I'm, I'm more of a traditional IP person as opposed to an M is person.

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00:21:11.280 --> 00:21:13.590

Elizabeth Walden: For the, for the coven thing.

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00:21:13.650 --> 00:21:19.140

Elizabeth Walden: We will read this and a lot on, you know, email, security and we're finding that a lot of the

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00:21:20.550 --> 00:21:35.970

Elizabeth Walden: Brands and stuff was actually getting a star in the email environment. Yes. You know, we were doing know before and really training people on on that and on there, you know, work computers. So then, most of our

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00:21:37.350 --> 00:21:46.200

Elizabeth Walden: Employees and some. Did you know, check out laptops, but a lot of them are just using their home computers. And of course, we have no idea.

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00:21:47.100 --> 00:21:59.460

Elizabeth Walden: If they have, you know, up to date and a virus or, you know, what kind of things might get on their computer so they're going to the cloud based you know office 365 in and of course

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00:22:00.480 --> 00:22:01.560

Elizabeth Walden: You know, we do have the

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00:22:02.850 --> 00:22:12.930

Elizabeth Walden: You know, some security in place through the office 365 but I was just, you know, more concerned. I was just wondering if anybody was doing anything.

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00:22:14.700 --> 00:22:15.450

Elizabeth Walden: You know, with

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00:22:18.420 --> 00:22:23.310

Elizabeth Walden: Or is there something we should be concerned about with the employees getting on you know

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00:22:24.780 --> 00:22:25.170

michael.pinnella: For your

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00:22:25.200 --> 00:22:26.910

michael.pinnella: Lives with you're concerned about

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00:22:27.270 --> 00:22:36.060

michael.pinnella: About people accessing the network accessing resources from their home configure more than district own devices that which talking about

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00:22:36.720 --> 00:22:41.190

Elizabeth Walden: Percent members. Yeah, just trying to figure out, you know, what we need to be

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00:22:41.520 --> 00:22:43.500

Elizabeth Walden: Concerned about that. I think

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00:22:44.730 --> 00:22:48.450

michael.pinnella: And that that i think that's that's an issue in general because

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00:22:49.530 --> 00:22:59.730

michael.pinnella: Even maybe motivated staff members who tend to access their own stuff from home on their own devices. I think that's

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00:23:01.530 --> 00:23:06.330

michael.pinnella: I think so two factor authentication is is a huge way to combat that.

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00:23:07.710 --> 00:23:16.290

michael.pinnella: Because all if someone's computers compromised, you're going to pretty much and they're using web and then they're using web based stuff like office 365

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00:23:16.740 --> 00:23:27.060

michael.pinnella: I think one of the big concerns is about getting their credentials compromised. So, so two factor authentication. I don't

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00:23:27.690 --> 00:23:35.850

michael.pinnella: I can't recommend anything higher was you know a song, education, of course, but two factor authentication would make a huge difference we

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00:23:36.450 --> 00:23:47.640

michael.pinnella: We had to let a handful of people VPN in and there was that we had to stipulations. You had to use a district own device and you had to use two factor authentication.

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00:23:48.870 --> 00:24:03.390

michael.pinnella: But that was just a few users to factor which will make a huge difference. I feel like and people using their own stuff because people's things are going to arm, they're going to get viruses and and everything else. And we really don't have control over that.

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00:24:04.650 --> 00:24:24.870

michael.pinnella: Morgan Bennett had mentioned here, they're currently looking for a good solution to provide tech support remotely. The Chromebooks. And I know we use Microsoft Quick Assist for for Windows PCs. Is anybody else using Chromebooks and are you providing remote support.

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00:24:25.920 --> 00:24:27.720

michael.pinnella: To either students, staff, or both.

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00:24:29.160 --> 00:24:33.240

michael.pinnella: So I'll give somebody a minute here to fit jump in.

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00:24:33.960 --> 00:24:35.640

Elizabeth Walden: If anybody knows this is a

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00:24:35.700 --> 00:24:37.380

Tom Ingram: This time from us Gambia.

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00:24:37.500 --> 00:24:38.400



Tom Ingram: And we use

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00:24:40.560 --> 00:24:44.370

Tom Ingram: We use Chromebooks and we do offer Remote Assistance.

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00:24:44.370 --> 00:24:45.060

Tom Ingram: To staff.

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00:24:45.090 --> 00:24:45.690

Members.

113

00:24:46.710 --> 00:24:54.210

Tom Ingram: We don't offer direct Remote Assistance to students. We feel like it's really important to

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00:24:55.200 --> 00:25:06.570

Tom Ingram: To understand what the teacher wants the student to do with the technology. And so when teachers have issues with students. We encourage the teacher to make the report.

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00:25:07.080 --> 00:25:18.330

Tom Ingram: And to participate in the problem solving process with the students so that so that we can ensure that we're meeting what the teachers needs are, while we're helping the students get through the, the issues so

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00:25:18.840 --> 00:25:26.700

Tom Ingram: That's our long standing practice and we continue that through the the virtual instruction that we did in the spring.

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00:25:28.500 --> 00:25:36.960

Tom Ingram: We do use go guardian, which I highly recommend as a as a tool to help teachers work with their students.

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00:25:37.500 --> 00:25:39.090

michael.pinnella: We want to split it that a guardian.

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00:25:39.810 --> 00:25:43.260

Tom Ingram: The Guardian teacher product allows the teacher to

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00:25:44.400 --> 00:25:48.330

Tom Ingram: To basically view the students screen on their Chromebook.

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00:25:48.450 --> 00:26:01.620

Tom Ingram: Okay, and to provide them assistance and to do some reporting on on what the students are doing during class, and I think that's very helpful to the teachers when they're working with their with their students.

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00:26:04.380 --> 00:26:07.410

Elizabeth Walden: Someone all the students still can be there.

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00:26:08.340 --> 00:26:21.750

Tom Ingram: They can with the with the Guardian teacher product they they were absolutely able to still interact with the students. And it, it also has some chat capabilities on other. There are other tools.

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00:26:22.740 --> 00:26:35.010

Tom Ingram: That they could use for chat, but a lot of teachers really liked the chat within the Guardian teacher application so that they can do one on one conversations with students during the remote learning. Yeah.

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00:26:36.390 --> 00:26:41.580

Tom Ingram: I was going to go back to the to the issue of the employees connecting from

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00:26:42.900 --> 00:26:49.470

Tom Ingram: From devices, you know, like older windows workstations that aren't patched with the with the current

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00:26:50.640 --> 00:26:58.560

Tom Ingram: Operating System. And that was something that we were very concerned about and and Michael you suggested to the multi factor authentication, which

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00:26:58.980 --> 00:27:08.040

Tom Ingram: Everything I read is that's the number one thing you can do for that. We also ran reports from our student information system. Any RP

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00:27:08.490 --> 00:27:26.700

Tom Ingram: To see which users were connecting with those other types of devices and we did reach out to those users to try to get them different solutions. During the remote learning, and I suspect will continue to monitor that on a, you know, on a periodic basis, just to

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00:27:28.470 --> 00:27:35.400

Tom Ingram: You know, try to try to make sure that we don't having lots of employees who are connecting with with those older devices.

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00:27:37.200 --> 00:27:37.590

michael.pinnella: That's

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00:27:39.720 --> 00:27:42.780

michael.pinnella: an occasion. Thanks.

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00:27:43.800 --> 00:27:45.090

michael.pinnella: We appreciate that. Oh.

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00:27:45.270 --> 00:27:45.570

Go ahead.

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00:27:46.650 --> 00:27:47.850

Elizabeth Walden: I started using into

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00:27:49.350 --> 00:27:51.750

michael.pinnella: Microsoft into for remote device management.

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00:27:52.380 --> 00:27:52.920

Elizabeth Walden: Right.

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00:27:53.040 --> 00:27:58.980

michael.pinnella: We also have one of those things, who all have license for but but at this time. We haven't rolled it out.

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00:28:00.030 --> 00:28:00.150

michael.pinnella: I

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00:28:00.210 --> 00:28:10.770

Elizabeth Walden: Know my brother in law works at this date, and they've been heavily using it. I know he was, you know, talking about what they would allow people to

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00:28:11.580 --> 00:28:29.700

Elizabeth Walden: Get to as far as office 365 on there, you know, personal devices just sounded like there. I haven't done it. But it sounds like there was some more options in there for, you know, controlling what you could and couldn't do on your personal device when you are off now work with it.

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00:28:30.330 --> 00:28:50.940

michael.pinnella: Yeah, that's, you know, it's really interesting because for any of us who've been in it for maybe more than 10 years I just started my 26th year and we wanted everybody to use Windows, you know, all the time, it was like it was easier for us to manage and when a user

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00:28:52.350 --> 00:29:03.900

michael.pinnella: Is at home i would i would love them to use a Mac or an iPad or their iPhone or even an Android phone, you know the the support for a lot of these apps zoom

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00:29:05.370 --> 00:29:09.030

michael.pinnella: Teams and other things like that they work really well.

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00:29:10.290 --> 00:29:20.760

michael.pinnella: On on these these portable platforms. And I know sometimes it's not realistic to to use maybe an iPhone.

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00:29:22.080 --> 00:29:22.770

michael.pinnella: To

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00:29:24.240 --> 00:29:35.400

michael.pinnella: To teach. But if you're just doing slides and things like that. That's I think that's, I think those devices are much more secure. I, I

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00:29:36.660 --> 00:29:41.940

michael.pinnella: You know, like I said I would fight tooth and nail to keep everything but windows out of my

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00:29:42.720 --> 00:29:58.860

michael.pinnella: Environment and now it's like you use whatever you want will sort out the rest. And that's part of that's a product of what the internet's become and all the web based applications. So I'm not sure if that was in line with what you were saying, but

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00:30:00.420 --> 00:30:02.400

michael.pinnella: Anybody else with that with on

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00:30:03.690 --> 00:30:10.560

michael.pinnella: Things go guardian multifactor authentication. Anybody have any questions for anybody who has spoken up so far.

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00:30:12.180 --> 00:30:13.740

michael.pinnella: So, okay, let's see.

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00:30:15.360 --> 00:30:30.570

michael.pinnella: Another question up here from it says Taylor CD. Does anyone use Active Directory to monitor and track district laptops for most students remote desktop app allowed district employees securely connect to the network devices from home.

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00:30:32.250 --> 00:30:37.680

michael.pinnella: If I'm understanding what you're saying and tell her you can unmute or type in however you want to do that.

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00:30:38.700 --> 00:30:46.770

michael.pinnella: Are you are you saying that you let you would let your employees use remote desktop to connect to their local devices.

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00:30:48.360 --> 00:30:49.770

michael.pinnella: And if you're

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00:30:50.820 --> 00:30:54.300

michael.pinnella: If you're not sure if you you're muted. But again, if you're

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00:30:55.770 --> 00:31:04.290

michael.pinnella: If you can't talk. Don't worry about it. We'll just we'll pick up on that. I know, for we have a couple of users that needed to use remote desktop.

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00:31:05.820 --> 00:31:07.740

michael.pinnella: People in finance and and

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00:31:08.850 --> 00:31:13.050

michael.pinnella: And transportation. As a matter of fact, and

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00:31:14.310 --> 00:31:14.790

michael.pinnella: Okay.

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00:31:15.810 --> 00:31:27.030

michael.pinnella: That for us. We use a VPN remote desktop, the RDP protocol is it's too insecure. There's too many problems with it to leave.

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00:31:28.890 --> 00:31:29.280

michael.pinnella: A

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00:31:30.330 --> 00:31:45.360

michael.pinnella: Outside facing port on your firewall that's going to forward remote desktop to a to a computer inside your network. It's just, it's extremely, extremely dangerous considering their remote desktop.

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00:31:47.490 --> 00:31:53.430

michael.pinnella: Exploits that have been out as of late, especially in legacy windows systems like Windows seven.

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00:31:55.290 --> 00:32:05.670

michael.pinnella: And I mean I ran a scan. We thought we patched it up and I ran a scan inside the network and still found another 39 computers that were vulnerable. So I don't recommend

167

00:32:07.410 --> 00:32:24.300

michael.pinnella: Making your remote desktop available from the outside, but using a VPN, and someone to marry said here that she's to VPN to their to her office PC and that's what I recommend as well if you if you need to connect in

168

00:32:25.410 --> 00:32:34.650

michael.pinnella: And this is the beauty of things like office 365 and things like that is is if if your files are up on office 365

169

00:32:35.430 --> 00:32:41.340

michael.pinnella: For the most part, unless people need a particular application. They don't need into their computer like they used to.

170

00:32:42.210 --> 00:33:00.510

michael.pinnella: With Matt network drives and if I ever get my way and hopefully I will hear those knows network drives, they're going to go away and everything's going to go to office 365 and but in the cases now or you're still in trance transition and

171

00:33:02.340 --> 00:33:20.250

michael.pinnella: People are they need access to a special app like in transportation, then we have to we have to create a VPN that VPN is going to use two factor authentication for them to get into the network and then there'll be able to remote desktop from there. So pillar hope I answered your question.

172

00:33:21.630 --> 00:33:22.560

So,

173

00:33:23.640 --> 00:33:25.050

michael.pinnella: Let's see.

174

00:33:28.470 --> 00:33:31.830

michael.pinnella: Sorry, I'm reading questions here. I should have some music in the background or something.

175

00:33:34.140 --> 00:33:36.600

michael.pinnella: Okay. All right. Um,

176

00:33:38.820 --> 00:33:42.600

michael.pinnella: She's our use remote VPN office PC but remote desktop.

177

00:33:44.700 --> 00:33:47.610

michael.pinnella: Okay. All right. Um,

178

00:33:48.810 --> 00:34:01.620

michael.pinnella: What else we have I'm looking through the questions here. I think we addressed a lot of the questions, there's anybody else have any subjects they want to bring up or I'll just start moving down the list here and bringing up some stuff.

179

00:34:03.510 --> 00:34:10.380

michael.pinnella: Of course you know ransom. Where's ransomware is a huge problem. I think I'm sorry, I think it was Elizabeth, who was saying.

180

00:34:11.400 --> 00:34:14.820

michael.pinnella: That about Ransomware coming in through email, and that's

181

00:34:16.290 --> 00:34:25.650

michael.pinnella: I love saying 95% of all statistics are made up and 95% or over 90% of ransomware starts with an email.

182

00:34:26.310 --> 00:34:39.000

michael.pinnella: And that's it's so frustrating because the best thing you can do there is train your users and you still can train your users. And I'll tell you, I'll give you a couple of stories because

183

00:34:40.680 --> 00:34:59.400

michael.pinnella: Because I've the especially the spear phishing attacks. If you're not familiar with spearfishing. It's basically a phishing attack that's specifically aimed at a person or group of people inside your company and they are extremely well put together, you know, back in the old days.

184

00:35:00.750 --> 00:35:13.320

michael.pinnella: Where they call it the Nigerian prince would send you an email about your, you know, inheritance and those. I mean, the English language that wasn't their first language that was obvious.

185

00:35:14.640 --> 00:35:15.690

michael.pinnella: Even now,

186

00:35:16.980 --> 00:35:30.540

michael.pinnella: anytime any email that says kindly instead of please. There's always a red flag and but we get them all the time of we do use know before, but even

187

00:35:32.280 --> 00:35:40.590

michael.pinnella: I can never say that clicking on a link in an email is forgivable but it is understandable. And I remember

188

00:35:42.090 --> 00:35:52.230

michael.pinnella: Seeing an email come in that had come to a few people. I won't say where or when but the email was was through a hack email account.

189

00:35:53.130 --> 00:36:02.340

michael.pinnella: That was in the organization. And I looked at it. And that was, those were the ones that were responding to ones that were already

190

00:36:02.880 --> 00:36:16.080

michael.pinnella: If you had a conversation. So what happened is I received this email and it, it was a little unusual, but it had come from somebody that we were already having a conversation with with and there was an attachment

191

00:36:16.860 --> 00:36:25.020

michael.pinnella: And I'm telling you, it's like having your finger on the fire button. I'm a mouse over that and I just at the last second.

192

00:36:26.790 --> 00:36:36.750

michael.pinnella: I stopped and I decided not to do it and i mean i'm i'm pretty paranoid when it comes to email. So if you send me an email and there's a link in it.

193

00:36:37.170 --> 00:36:46.860

michael.pinnella: Chances are, I'm just, just going into the deleted items folder and but someone else had clicked on it and the IT department I clicked on it.

194

00:36:47.520 --> 00:36:56.190

michael.pinnella: And then wanted to know, asked me, Well, why isn't this open. And I thought, you know, it's like I said it's it's

195

00:36:56.850 --> 00:37:03.090

michael.pinnella: It's really understandable, you can really understand and and these emails are getting so good.

196

00:37:03.870 --> 00:37:13.470

michael.pinnella: That they're fooling people who know better not should know better, but actually know better that we have a problem. So we can teach people to be

197

00:37:14.310 --> 00:37:28.590

michael.pinnella: paranoid about a lot of stuff. It's harder when somebody is in in your network. Because if you don't, you guys should have a disclaimer on an email that comes in warning you that it's an email from the outside.

198

00:37:29.730 --> 00:37:30.240

michael.pinnella: And

199

00:37:31.770 --> 00:37:44.280

michael.pinnella: But when it's from inside and you don't see that it doesn't it doesn't make you take pause or have the red, red flag on so we do us know before. And for those of you who are not familiar with know before it is a

200

00:37:45.840 --> 00:37:52.650

michael.pinnella: Basically does, they do email phishing testing and let me bring up the site.

201

00:37:53.970 --> 00:37:56.610

michael.pinnella: Here and let's stop sharing for a moment.

202

00:37:57.840 --> 00:38:03.810

michael.pinnella: And this is again not a commercial for know before, but they are actually pretty good at what they do.

203

00:38:16.740 --> 00:38:18.750

I'm just gonna go to their main page.

204

00:38:19.980 --> 00:38:23.250

michael.pinnella: So okay, so what they say security awareness training.

205

00:38:25.770 --> 00:38:26.730

michael.pinnella: Will be sure that

206

00:38:29.580 --> 00:38:33.990

michael.pinnella: That screen number five share so

207

00:38:36.210 --> 00:38:49.560

michael.pinnella: So what what they'll do is we'll do a fishing campaign and know before will send out so we pick what we want and who we want to send it to and they will send out a

208

00:38:53.040 --> 00:39:01.020

michael.pinnella: phishing emails, basically, but those the links and the phishing emails are basic are are tied to the people who get the emails.

209

00:39:01.410 --> 00:39:14.280

michael.pinnella: So when when people click on those emails, we get a notification that said this person in your organization names them clicked on this email follow this link or open this attachment

210

00:39:14.850 --> 00:39:32.580

michael.pinnella: And again, you got to remember when it comes to security, we have to defend against 10,000 things and the bad guys only need to get in on one that's all they mean they just need to get in on one thing and they're in. And so even when you do a

211



00:39:34.920 --> 00:39:52.200

michael.pinnella: Fishing campaign like this and somebody clicks on the wrong link as one person. So you think, oh, only 13 people in our entire organization clicked on this, you know, we have whatever 1000 let's say 1000 users. I don't feel mad but

212

00:39:53.910 --> 00:40:05.400

michael.pinnella: We have 1000 users or 1200 and 113 people click on a, you think, well, that's pretty good, but really just takes one. So hold on.

213

00:40:08.070 --> 00:40:20.340

michael.pinnella: And someone know basis, everybody, but you have clicked on a test. Initially, and I'd rather click I know before all day for for it's embarrassing might be

214

00:40:21.300 --> 00:40:34.860

michael.pinnella: It's really good thing. So this is, this is what Elizabeth had mentioned, I don't know if anybody else is using know before they want to share any other experiences with this.

215

00:40:37.950 --> 00:40:51.480

michael.pinnella: Okay, so that is one of the things again and and I'll circle back to two factor authentication, again, is what they're really looking for our

216

00:40:52.170 --> 00:41:05.550

michael.pinnella: Our credentials. That's, that's what these bad guys are looking for. They want credentials slowly can log into your stuff. Once they're inside your network. They want to pivot and they want to grab stuff so

217

00:41:06.570 --> 00:41:21.570

michael.pinnella: By again by using two factor authentication. If somebody gets your password, they cannot get into your account without whatever two factor method you're using an email a text message and and different

218

00:41:22.470 --> 00:41:39.480

michael.pinnella: different people at different levels security will tell you oh text messages are terrible because they're not protected. Well, in, in some cases, okay, so it's it's not it. There it is sent in clear text, but somebody would have to

219

00:41:41.070 --> 00:41:54.000

michael.pinnella: Intercept your text messages and have your password. So it's better than nothing. It's better than one factor authentication. If you're, you know, if you're a Bill Gates or

220

00:41:55.950 --> 00:42:05.160

michael.pinnella: Or some other high level person you you might want to to lock down, but I always say it's better to use text messaging and not thing.

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00:42:06.600 --> 00:42:17.580

michael.pinnella: So, and two factor authentication is is not an easy sell. I think I remember last year, somebody at this we did this last year. This security.

222

00:42:18.810 --> 00:42:24.510

michael.pinnella: Class here, we're doing today meeting and somebody had said that they had

223

00:42:26.970 --> 00:42:32.400

michael.pinnella: They had made one of their teachers who was completely, completely messed up.

224

00:42:33.480 --> 00:42:50.520

michael.pinnella: Take training and that teacher had filed a grievance that she was getting unscheduled he or she, I'm sorry unscheduled professional development. So we you know we have to fight against this stuff and even me. I have to factor on just about everything I can.

225

00:42:51.570 --> 00:43:04.920

michael.pinnella: Not just at work. I have it on my Google, I have it on on my Microsoft stuff and even logging into the district firewall. I have to factor on and when that thing pops up for that code. And I'm just like,

226

00:43:07.050 --> 00:43:15.720

michael.pinnella: I gotta take out my phone and you know, but it's quicker than to factor in, you know, postal mail so

227

00:43:17.040 --> 00:43:19.410

michael.pinnella: All right, let me see what else has come up here.

228

00:43:22.230 --> 00:43:28.590

michael.pinnella: James short reporting the reporting. Okay, the reporting them, assuming James You're talking about know before

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00:43:30.090 --> 00:43:48.480

michael.pinnella: You have the ability to quantify the return on investment through identifying where you were at the beginning of the training initiative and how much it's led to a reduction in for us when we, when we did our first mailing

230

00:43:50.340 --> 00:44:05.340

michael.pinnella: We sent it everybody and it created such a stir. Because the people who are a bit more tech savvy out in the schools. They knew something was up. This I wish it was just flooded. It was too much stuff.

231

00:44:07.020 --> 00:44:18.180

michael.pinnella: For something particular not to not to be going on and it's. Matter of fact, it was a instructor who at the local tech college here in Washington County.

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00:44:18.780 --> 00:44:29.160

michael.pinnella: Who said she said something weird going on because there's so many of these, you know, it kind of caught her eye and raised a red flag. So

233

00:44:31.800 --> 00:44:40.140

michael.pinnella: So depending on how you do. But again, the reporting is great, but it did make people paranoid and it should make people parent. I encourage people. I said I will never

234

00:44:41.190 --> 00:44:55.890

michael.pinnella: Get upset. Not that I would anyway. But I'll never get upset if you forward me an email because you're not sure, I always I remember the Help Desk email after this happened was getting not not too many. We don't get a lot of help desk emails.

235

00:44:57.540 --> 00:45:05.460

michael.pinnella: But we're, you know, we were getting 5060 a day. Will people were saying this is something fishy about this and

236

00:45:06.870 --> 00:45:15.540

michael.pinnella: Every single time I made time to say thank you for checking. So that's it on on if anybody else wants to share any stories.

237

00:45:17.010 --> 00:45:17.610

michael.pinnella: About

238

00:45:19.440 --> 00:45:28.560

michael.pinnella: Any fishing your security awareness training. You guys are doing. Of course, the security. The nice thing about security awareness training and know before it is more than

239

00:45:29.010 --> 00:45:47.910

michael.pinnella: Just email security awareness is is from the videos, some of the videos are quite entertaining the know before people take this URL seriously and and their videos have a reputation of being a lot of fun. So let's go back to

240

00:45:49.020 --> 00:45:57.630

michael.pinnella: Our presentation any again. Anybody feel free to just jump in. This is, you know, this is one of those things that's just, um,

241

00:45:59.640 --> 00:46:12.090

michael.pinnella: I prefer in person. But this is what we got. And then I absolutely would prefer this over not meeting at all. That's for sure. So let me make sure nobody's bringing up any new chat.

242

00:46:14.130 --> 00:46:15.990

Let me go back to sharing my screen.

243

00:46:22.590 --> 00:46:23.100

michael.pinnella: Okay.

244

00:46:28.050 --> 00:46:29.430

michael.pinnella: To go back a little bit.

245

00:46:30.720 --> 00:46:41.730

michael.pinnella: Again, I mentioned before this, this tends to be an IP discussion for an MIT conference. And I know there is some some overlap. That's why I always like to

246

00:46:42.600 --> 00:46:56.790

michael.pinnella: End the case like this really just say, Hey, if you know if anybody wants to talk about something else within security that might be more Mrs related just jump in and and we can start having a discussion on that.

247

00:46:58.080 --> 00:47:00.360

michael.pinnella: Hold on, just making sure I'm not missing any

248

00:47:01.770 --> 00:47:04.800

michael.pinnella: Messages, and I'm starting to lose my audience.

249

00:47:06.630 --> 00:47:08.130

michael.pinnella: And we just had a power flash

250

00:47:09.180 --> 00:47:11.250

michael.pinnella: So okay, so

251

00:47:14.640 --> 00:47:17.850

michael.pinnella: IoT devices BYOB that some

252

00:47:21.480 --> 00:47:40.590

michael.pinnella: There's a embedded system. The no one's probably heard about this yet. I, I have extremely long commute to work. So I listened to a lot of podcasts, especially try and listen to several security podcasts. A week technology podcasts and of course ice hockey and

253

00:47:42.060 --> 00:47:56.580

michael.pinnella: And so the there's a there's a significant flaw in embedded systems and embedded systems or what you find an IoT devices they're basically small operating system on a chip that just run

254

00:47:58.410 --> 00:48:08.310

michael.pinnella: That just run basic lights are still flash and arrow, we're still on. They run a basic operating system. They've been published by a single company.

255

00:48:09.150 --> 00:48:20.700

michael.pinnella: For the pretty much the last 20 years and they found a massive amount of flaws. There's a lot of devices out there that are on the internet. That'll never be patched and these devices will always be vulnerable.

256

00:48:22.200 --> 00:48:24.780

michael.pinnella: That's just a little security news.

257

00:48:27.180 --> 00:48:31.440

michael.pinnella: We did a little bit about BYOB now talk about data governance.

258

00:48:32.700 --> 00:48:43.200

michael.pinnella: That's primarily speaking about, you know, who owns the data, who's you know who's in charge of it. This is another thing that that

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00:48:44.040 --> 00:48:57.870

michael.pinnella: It really comes down to, when we talk about data governance and data design where where we began. Most of us who've been working in school districts for a while, have really

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00:48:59.100 --> 00:49:06.240

michael.pinnella: Maybe back in the 90s, and I'm going to generalize a little bit. This may be a little bit different for large very large school districts



261

00:49:06.750 --> 00:49:19.830

michael.pinnella: But for small to medium School District. A lot of it happened like this you there were no computers and maybe and then late 1980s, maybe they started adding some computers, but there was no networking

262

00:49:21.660 --> 00:49:31.770

michael.pinnella: Then in the early 90s, we, we have Novell, and then we have a few computers and there's some computers in the offices and slowly, they're finding their way in the classrooms.

263

00:49:32.910 --> 00:49:43.590

michael.pinnella: There's still no it to speak of in terms of support. There's no consciousness security because it really wasn't that much of an issue. Back then, especially because there was

264

00:49:44.340 --> 00:49:57.720

michael.pinnella: Nobody was on an internet. So most of your data stayed inside your own network and as things grew and networks grew those roles grow with them and and and

265

00:49:58.320 --> 00:50:08.250

michael.pinnella: There wasn't really a consciousness about designing networks, that's going a little bit of head to like an infrastructure design segmenting networks.

266

00:50:09.270 --> 00:50:14.160

michael.pinnella: file permissions share permissions and things like that. And so

267

00:50:16.020 --> 00:50:23.790

michael.pinnella: Like you know a lot of people who are in administrator positions they start out as educators. A lot of people do and

268

00:50:24.810 --> 00:50:35.130

michael.pinnella: And they just learn on the job. So as you get into as your things get bigger and bigger, and then all of a sudden you find your schools in like the

269

00:50:35.730 --> 00:50:45.390

michael.pinnella: mid 2000s were fine. You know, you find now your networks are big now money starting to come in for technology now is the whole district connected to the Internet.

270

00:50:45.960 --> 00:50:56.340

michael.pinnella: And and we don't know where our data is we don't know who's in, who's doing what, with it and and data, isn't it, it's an important thing and

271

00:50:57.750 --> 00:51:07.260

michael.pinnella: I'm going to when I will, I will always want to give a story and I want to generalize because I never want to call out any, you know, even the places I've been because we've

272

00:51:07.890 --> 00:51:16.530

michael.pinnella: We've all seen it, but getting to a point in seeing a file on a text file on a desktop that's

273

00:51:17.520 --> 00:51:23.550

michael.pinnella: All social security numbers or bank account information that they use once a month or twice a month.

274

00:51:24.390 --> 00:51:40.140

michael.pinnella: To run some little weird job that the that the bank wants them around or something like that. So data tends to be all over the place and in coming thinking here it's at some point, I always say, at some point.

275

00:51:41.370 --> 00:51:50.520

michael.pinnella: The auditors are, you know, they asked us a lot of questions, but I remember the the spreadsheets in the auditor questions back when I first started

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00:51:52.080 --> 00:52:01.980

michael.pinnella: In education in Florida back in 2008 and how that has grown and what it's become today and how much more that's going to going to

277

00:52:03.060 --> 00:52:13.710

michael.pinnella: Grow the, the auditors they, you know, they take their jobs real seriously the technology and the way it's done. I feel like tends to be a couple years behind, but that's just because it's

278

00:52:15.030 --> 00:52:28.350

michael.pinnella: You know state organization in there and they're large but eventually they'll, they'll come around and that data governance is is such a huge problem because of data breaches and I know that bill.

279

00:52:30.630 --> 00:52:43.680

michael.pinnella: In Leon County. I think it was last year, the year before, you know, just told a heart wrenching story about about some of their data that was on a server that I think that ended up going to Florida Virtual

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00:52:45.150 --> 00:53:00.300

michael.pinnella: If I remember correctly, and people. I guess we just didn't know they'd Oh, because it was kind of third party went to a second party and then ended up somewhere else and all their data was on there for several years and then that organization was

281

00:53:03.810 --> 00:53:20.160

michael.pinnella: Was compromised and then all of that data, all that student data went out on the internet and that's that's the kind of stuff we're talking about with with data governance. It's, what, what's your data. And where's it going, who's in charge of it and and

282

00:53:21.360 --> 00:53:35.610

michael.pinnella: None of us want to say, I don't know. I don't know where all the data I don't you know i don't know who's in charge of this data, we needed or we don't need it. It's just, it's the way we keep things up. And I think a lot of its

283

00:53:37.770 --> 00:53:51.720

michael.pinnella: Of course, being understaffed. A lot of school districts, we, we come. I always say we combine. Honestly, I've been in it, especially in the networking part of it for a long time and I can walk into a network and see

284

00:53:53.100 --> 00:53:58.410

michael.pinnella: And that, you know, was designed by people that didn't really understand networks and I never, I never

285

00:53:59.070 --> 00:54:11.880

michael.pinnella: poo poo that I never want to put them down because they come by it. Honestly, they were doing the best they could, at the time, with the with the tools they had in the knowledge they had and and so

286

00:54:12.960 --> 00:54:18.780

michael.pinnella: Using third parties for stuff and I'm gonna, I'm sorry if I'm sounding a little bit all over the place but

287

00:54:20.790 --> 00:54:21.990

michael.pinnella: But the

288

00:54:23.940 --> 00:54:29.700

michael.pinnella: But I remember the first time in 2010 where we're going to outsource our website and I just completely freaked out.

289

00:54:30.810 --> 00:54:41.250

michael.pinnella: Because they were taking something away from it and now it's like I want to outsource everything I want somebody else to manage that I want somebody else to worry about.

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00:54:42.570 --> 00:54:55.890

michael.pinnella: Where my data is that they're securing my data in a reputable company, you know, talking about Microsoft's could add it, and other companies are are are good at it. But these are things that people do and they're experts at it and

291

00:54:57.180 --> 00:55:05.400

michael.pinnella: I, you know, you got to put your faith somewhere and I have more faith and Microsoft protecting my data than trying to manage the network here.

292

00:55:06.840 --> 00:55:26.550

michael.pinnella: Where we're all understaffed. And, you know, and the attackers are hitting you all the time you know so. So we look for tools and different things to protect us, including protect our data in sorry I walked away from my computer. I see people are making comments. Hold on, I'm pacing the room.

293

00:55:28.590 --> 00:55:29.220

OK.

294

00:55:30.630 --> 00:55:32.640

michael.pinnella: Google, somebody had said Google here.

295

00:55:35.340 --> 00:55:42.570

michael.pinnella: I'm not going to click on that link above. Oh, OK. So somebody had mentioned security now and and that's funny so

296

00:55:45.510 --> 00:55:46.500

michael.pinnella: So James short

297

00:55:48.600 --> 00:55:54.120

michael.pinnella: also added a likes a security now podcasts with Steve gifts and that is

298

00:55:55.680 --> 00:56:13.740

michael.pinnella: If you're into podcasts and like I said, I am I have an hour and 20 minute drive each way to work and I am into podcasts and I am and just curating. Now it's actually the number one on my podcast list, it always goes to the top when it gets downloaded.

299

00:56:14.850 --> 00:56:23.040

michael.pinnella: It is, it's a good podcast if if you're into security and you're concerned about that stuff. It tends to focus more on the consumer side.

300

00:56:24.270 --> 00:56:31.740

michael.pinnella: As well as a lot of podcasts do there's not a lot of enterprise stuff out there, but it is actually my favorite podcast.

301

00:56:33.150 --> 00:56:36.090

michael.pinnella: And then married, good for you for not clicking on this link.

302

00:56:38.070 --> 00:56:39.120

michael.pinnella: So if you're all

303

00:56:40.530 --> 00:56:41.370

michael.pinnella: Reading the

304

00:56:42.600 --> 00:56:48.930

michael.pinnella: The group chat here, but that is actually the link if you could type it in by hand. And this is what you should do.

305

00:56:50.520 --> 00:57:02.760

michael.pinnella: somebody puts up a link. Then I'm just going to search for twit TV security. Now, and they've got they've got some good podcasts. If you're a Big Mac fan Macintosh computers. I'm not, I'm not against them and just

306

00:57:03.870 --> 00:57:10.950

michael.pinnella: And just a PC guy, but maybe not for too much longer, and they Apple's

307

00:57:11.970 --> 00:57:18.210

michael.pinnella: developer conference that they just had last week. They really some just massive news. So if you're big fan of

308

00:57:19.470 --> 00:57:24.150

michael.pinnella: An Apple products and you follow the market, listen to this week in tech

309

00:57:25.770 --> 00:57:39.330



michael.pinnella: And because let's see the entire time they were talking about that. Let's see, back to James short here, Google per student devices office 365 for admin staff.

310

00:57:40.350 --> 00:57:43.860

michael.pinnella: I'm sorry, faculty, and staff. I don't disagree with that at all.

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00:57:45.060 --> 00:57:50.700

michael.pinnella: Especially if if cost is a concern. Now you can get a one licenses with

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00:57:52.980 --> 00:57:58.680

michael.pinnella: For free. If you're a school district which will give you the basic stuff for your students.

313

00:57:59.850 --> 00:58:03.990

michael.pinnella: You don't get a lot of features with that we're on a three and we and they give us

314

00:58:05.070 --> 00:58:14.430

michael.pinnella: A lot of extra stuff. Of course, it costs and what we're starting to to utilize as your Active Directory Services, a lot more

315

00:58:15.960 --> 00:58:27.390

michael.pinnella: Like a DFS and stuff like that. And the cloud, if that's over your head, don't worry about it and and then Google's for students. And that's something students are used to. They're used to using

316

00:58:30.810 --> 00:58:33.030

michael.pinnella: And then James said Lee County School District.

317

00:58:34.050 --> 00:58:46.230

michael.pinnella: In. Okay. Sorry, that was a conversation between those two. So, okay, yes. And Chromebooks Chromebooks are an option. The, the problem with the with the

318

00:58:47.940 --> 00:59:04.650

michael.pinnella: Windows operating. The problem is the Windows operating system. It really is. It is an operating system that's had way too much time spent, making it reverse compatible with with applications here. Are you using

319

00:59:06.240 --> 00:59:12.300

michael.pinnella: An operating system that really is got its roots at still support software that's 25 years old.

320

00:59:13.680 --> 00:59:26.940

michael.pinnella: Most of the problem right now with security has to do with windows and I'm, I love, I really do like Microsoft, don't, don't get me wrong, this is not a bash windows thing but

321

00:59:27.990 --> 00:59:36.300

michael.pinnella: But that is a huge problem is, is the Windows operating system. So, so for James You said time to switch to a Chromebook.

322

00:59:37.740 --> 00:59:42.210

michael.pinnella: You, you'll always run into things people want to do that. They can't

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00:59:43.860 --> 00:59:58.020

michael.pinnella: But again, they were talking this morning I was talking about that podcast that said Windows is basically becoming a platform for PC gamers and other than that now.

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00:59:58.950 --> 01:00:09.990

michael.pinnella: Because Microsoft in their CEO Satya Nadella really started focusing on cloud services. They're really starting to move around away from windows in office, which was Microsoft's cash cow.

325

01:00:11.100 --> 01:00:20.490

michael.pinnella: For over 20 years longer than that, when it was Bill Gates and then Steve bomber and I wreck. If you're interested in Microsoft in their history.

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01:00:21.720 --> 01:00:30.960

michael.pinnella: Do a search for an article called Microsoft's last decade. And it really was about how Microsoft was just in the early 2000s.

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01:00:31.440 --> 01:00:41.700

michael.pinnella: undersea bomber how Microsoft was just absolutely crushed and and they were really headed headed for disaster until such as Adela came in.

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01:00:42.270 --> 01:00:59.130

michael.pinnella: Four or five years ago and change the focus of the company to cloud services and they're doing it really, really well. So I think I'm about I'm getting my buzz here like not a buzz from me. I'm drinking Diet Pepsi but buzz like we're running out of time, so

329

01:00:59.490 --> 01:01:00.720

Famis Florida4: You have minutes remaining.

330

01:01:00.780 --> 01:01:03.780

michael.pinnella: Oh, nine minutes. Oh, that's not too bad. Okay, thank you.

331

01:01:05.160 --> 01:01:12.750

michael.pinnella: Doug for chiming in on that and you you you folks have made me talk here so you bringing out the New York and may

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01:01:15.750 --> 01:01:16.530

michael.pinnella: Let's see.

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01:01:17.820 --> 01:01:23.730

michael.pinnella: So again, a little, you know, it's kind of a little bit. A little bit all over the place, but it's just really thoughts.

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01:01:25.020 --> 01:01:27.030

michael.pinnella: Thoughts on security we talked about

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01:01:31.170 --> 01:01:42.750

michael.pinnella: See end user training and awareness limited knowledge I touched on earlier where I said, you know, if I come into a network. It's kind of like, you know,

336

01:01:44.700 --> 01:01:53.070

michael.pinnella: Your, your kid built a model airplane or something in the something you've been doing, you know, you look at it and they did the best they could, and you're just proud of them and

337

01:01:53.670 --> 01:02:04.770

michael.pinnella: I did the same thing when I go into a network. It's like, Boy, you're really gave this your best try and and again we're getting to a time in technology where we want to leave it.

338

01:02:06.300 --> 01:02:11.400

michael.pinnella: To the professionals and the professionals to me are pretty much anybody who knows anything more than me.

339

01:02:12.570 --> 01:02:13.260

michael.pinnella: We use

340

01:02:15.030 --> 01:02:19.170

michael.pinnella: Like we use in silo here, which is a

341

01:02:20.490 --> 01:02:28.710

michael.pinnella: It's a four to four to four to four then net sorry for the gates. Our firewall for the net bought in silo and

342

01:02:30.180 --> 01:02:46.680

michael.pinnella: It's a client that runs on a computer. It's very if something starts up that it doesn't like and you have it in the right group, it'll just shut that program down and it just kills it. And then it sends a notification. It is not an easy program to use

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01:02:48.030 --> 01:02:50.370

michael.pinnella: The support is are they are not friendly.

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01:02:52.200 --> 01:02:54.930

michael.pinnella: But it is a good product so

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01:02:56.280 --> 01:03:01.080

michael.pinnella: So, so I haven't kind of partway deployed here, but I have it on

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01:03:02.160 --> 01:03:13.260

michael.pinnella: Pretty much as many computers as I can get it on staff and faculty computers and it's always reporting different things. So, most, most of the time.

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01:03:15.450 --> 01:03:18.600

michael.pinnella: The sub like it'll it shut down outlook or windward

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01:03:19.950 --> 01:03:28.500

michael.pinnella: Side. I don't know why I did that but but it's just something because once ransomware gets into your environment. And I know that Elizabeth

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01:03:29.940 --> 01:03:35.760

michael.pinnella: And last year, the year before she was looking at a product and they are I think they were just

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01:03:40.560 --> 01:03:43.170

michael.pinnella: Think, sorry, looking at messages.

351

01:03:44.940 --> 01:03:56.730

michael.pinnella: She had a was just testing a product and they caught something on our network and they and they shut it down before it infected her entire network. So even if it's something you can get in hand.

352

01:03:57.810 --> 01:04:04.530

michael.pinnella: And take a look at but security. We can't do security by ourselves. I guess I'll start wrapping it up with this and

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01:04:05.130 --> 01:04:15.180

michael.pinnella: And the thing is, it's it's really a double edged sword. We i know i'm i'm pretty security minded, but I certainly don't consider myself an expert.

354

01:04:15.780 --> 01:04:31.170

michael.pinnella: In the field at all because there's so much. I know what I don't know. There's so many more people out there or so much better at this. And when and but it's expensive to outsource I'm really hoping that the day will come with a feel maybe put this in the rate

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01:04:32.310 --> 01:04:41.640

michael.pinnella: Or something we can do or some other type. I'd rather have it me right then maybe TCP because that's kind of stuff comes and goes, but

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01:04:42.750 --> 01:04:49.290

michael.pinnella: But outsourcing security. I really, there's a, you can have your network monitor 24 seven

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01:04:50.550 --> 01:04:56.100

michael.pinnella: And this is going to be a lot of companies coming out of the woodwork. And for those of you who go especially go to fade.

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01:04:57.120 --> 01:05:01.680

michael.pinnella: And you could or even f, etc. You guys remember over the last

359

01:05:02.790 --> 01:05:03.120

michael.pinnella: What

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01:05:04.650 --> 01:05:11.790



michael.pinnella: 13 years or so, every year, you go to one of those conferences and it's the new thing. You know, it's

361

01:05:13.350 --> 01:05:20.880

michael.pinnella: Cloud stores portable devices clickers. So y'all remember the clickers were giant for like two years in the classroom.

362

01:05:21.600 --> 01:05:37.680

michael.pinnella: And then we're entering in this and everybody was doing it, everybody. And then you go back a year or two later, and then there's one or two companies doing it and we're kind of in the stage right now or everybody's jumping on the security bandwagon. Because there's money to be made.

363

01:05:39.090 --> 01:05:46.410

michael.pinnella: And I don't know who to recommend so I'm sticking with established companies who do security.

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01:05:47.940 --> 01:05:58.440

michael.pinnella: And and there's a bunch of them out there and just getting what you can afford doing something just doing something more than nothing, because

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01:05:59.160 --> 01:06:10.530

michael.pinnella: If, if you're not making an effort, do you really run the risk of of having some serious liability because they'll tell you. Ignorance is no excuse. So

366

01:06:11.880 --> 01:06:13.500

michael.pinnella: I'm going to start wrapping it up here.

367

01:06:14.580 --> 01:06:16.170

michael.pinnella: Let me see if there's anything else.

368

01:06:18.690 --> 01:06:19.440

michael.pinnella: Okay.

369

01:06:22.770 --> 01:06:25.470

michael.pinnella: Ms teams for remote classrooms, that's what we use.

370

01:06:28.560 --> 01:06:29.130

Okay.

371

01:06:30.390 --> 01:06:35.070

michael.pinnella: All right. Anybody else want to add anything before we go to

372

01:06:36.360 --> 01:06:38.490

michael.pinnella: The prize of

373

01:06:39.630 --> 01:06:49.680

michael.pinnella: What do we got there Fitbit inspire HR. I'm a man who need to Fitbit and I'm a man who uses a Fitbit to tell me how little exercise I do every day.

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01:06:51.030 --> 01:07:00.630

michael.pinnella: But I'll turn the screen over to Doug and he can do the little skinny for us and we can see who's going to win the Fitbit inspire

375

01:07:02.730 --> 01:07:06.030

Famis Florida4: Well, I do not have that spinney that

376

01:07:07.890 --> 01:07:08.520

Famis Florida4: Stress

377

01:07:10.260 --> 01:07:12.360

Famis Florida4: Chair had but we did draw

378

01:07:12.390 --> 01:07:20.190

Famis Florida4: Name feel good. Go and we have a winner, the winner is Mara Uganda from my goals.

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01:07:20.370 --> 01:07:23.550

Famis Florida4: Congratulations, Mara, I am paid

380

01:07:24.660 --> 01:07:32.940

Famis Florida4: Have a message in the chat box there for you if how to claim your prize, you're going to want to send an email to famous Florida gmail.com

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01:07:34.440 --> 01:07:37.740

Famis Florida4: And so congratulations Mara. We appreciate all of y'all.

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01:07:39.180 --> 01:07:40.320

michael.pinnella: Participating

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01:07:40.530 --> 01:07:43.230

Famis Florida4: In joining us today. We've got plenty more sessions.

384

01:07:43.740 --> 01:07:44.910

Famis Florida4: yesterday and tomorrow.

385

01:07:45.900 --> 01:08:01.440

michael.pinnella: And and thanks thanks everybody. And Michael Piniella Walden. The K 12 nfl.us or you can find me on our website. If you have any questions for me. Thanks everybody for coming. I really appreciate it and have a great day and

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01:08:03.630 --> 01:08:04.740

michael.pinnella: Doug, I'll call you in a couple minutes.

387

01:08:07.080 --> 01:08:07.560

Famis Florida4: Sounds good.

388

01:08:07.860 --> 01:08:09.210

michael.pinnella: Alright, thanks. Take care. Bye.