**CS5285信安-Lecture01**

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1h 30min 25s*

**Keywords**

security standards security things vale el el que para el security system data security standard sobre el Desde el el tipo El beso security management el capital Esmalls el el Twitter el sombrero en el El viejito

**Transcript**

Speaker 1 00:16  
Agradezco que es Information Security Commerce. Administration basic Technology basic lecture tenemos Star wey for series Lines, prokey batres de Skype Centers. Y de ahí ya a explicar desde.  
  
Speaker 2 00:47  
El folio, EH? Desde el folio a través de bitcoin.  
  
Speaker 1 00:55  
Por. Que cada vez vale y te animo en Facebook. Facebook. Así o k a ver al lado del mar.  
  
Speaker 2 01:10  
Mini.  
  
Speaker 2 01:19  
Poner.  
  
Speaker 1 01:20  
Facebook 10 para desmantelar. El manual de New Market y Upai, es decir, Paintbrage and Humpray Creative Down I Wantering. Entonces sí, pues I wanna profesora, entrevista de Paper nada leer revistas, Visit Center. Fighting en miel, el tipo.  
  
Speaker 2 01:58  
De jardín, el view, el iPhone.  
  
Speaker 1 02:04  
I'm Falls para el celular, six years Weekly.  
  
Speaker 2 02:10  
On Dead.  
  
Speaker 1 02:11  
Entrepreneur's de Center, West Old Pather Canters de miles, Tampico de suit Shakespeare, Strike Change. Sales a Maggie change a vender.  
  
Speaker 1 03:00  
If you have any questions, as equal is coming here and he is the key is actually comes here. So you can also talk again here in the tutorials. We will generally try to be here on Tuesday mornings. So if you have like very serious question on this, lots of questions.  
  
Speaker 2 03:20  
You want to ask, they can also arrange just email us.  
  
Speaker 1 03:30  
Okay, so in terms of the machine material, we have to be the lecture science. I also did exercise on canvas a few days before. So you have a little size to you. Then take yourself familiar with some of the things. Prefer that before you come to us after the lecture, I'll also put all the lecture slides on Alice. I will also put some exercise with additional nerves, right? So when I teach you, I have noise. So generally, I will give us the.  
  
Speaker 2 04:07  
UFO. So you can see that the.  
  
Speaker 1 04:09  
Slide is each. So you don't, if you want to take notes for like.  
  
Speaker 2 04:13  
4, you are more than 100. Igual crecen.  
  
Speaker 1 04:22  
A myrados después de dejar el Xbox. El bilingüe entonces William stoliched.  
  
Speaker 2 04:30  
Property.  
  
Speaker 1 04:31  
And Security versus anillos de Edition Three web. S de Vision Three Attings a ver, hay mucha mesa porque estos destinos Linder's club One Piece. Okay, I'm pretty learning and pretty much everything we need.  
  
Speaker 2 04:53  
For the.  
  
Speaker 1 04:53  
Course is slides. It's outside. We prepare for better. If you want to do the problem.  
  
Speaker 2 04:59  
Set, if you want to do the exam, and all the information you need is in the slide.  
  
Speaker 1 05:05  
Notes. So as I said, you have to check canvas because that's where I'll do everything. That's also where we make announcements. There's announcements. Go to your, you know, there's an email address. So you sort of have to take that as well. And everything.  
  
Speaker 2 05:22  
Else that happens, the problem says the tutorial solutions for.  
  
Speaker 1 05:27  
The method. So we have the two hour lecture. So let's every week on Tuesday at 2:00,4:00. This is very nice traditional lecture.  
  
Speaker 2 05:39  
I spend in my life and you listen. And sometimes I will have some extra reading exercise, face study and before.  
  
Speaker 1 05:49  
And maybe we can discuss this afterwards. We have tutorial session. So there's two tutorial session, one from 4 and 1,5. And I will say this building, very different room, at least 1,4.  
  
Speaker 2 06:02  
Down.  
  
Speaker 1 06:03  
So the editorial works as follows. I open some problems like canvas. You can already start working Monday before you go to the tutorial. Okay. Pilih dari 2 konten intelektual, integral test dan image of the. This wajibb my admin infectious.  
  
Speaker 2 06:26  
Konsultan tinggi data.  
  
Speaker 1 06:28  
Sand. And then the second.  
  
Speaker 2 06:31  
Part of the for your our community solutions, right? So the tutorials that have.  
  
Speaker 1 06:38  
To be submitted, they're not.  
  
Speaker 2 06:39  
Created. There's something there for you to access, guys. See if you understand.  
  
Speaker 1 06:47  
Consideration. They serve covered by.  
  
Speaker 2 06:50  
From the finance. Got it.  
  
Speaker 1 06:53  
The next slide. Sometimes I'll.  
  
Speaker 2 06:55  
Say, okay, there's an interesting history.  
  
Speaker 1 06:57  
I saw even one and I said in years ago and explain something in the course. I'll put that on canvas and I'll say might.  
  
Speaker 2 07:05  
Be interesting for.  
  
Speaker 1 07:06  
You to read this by next week. And then the following week, of course, they following okay, in terms of recording of the lecture and worksession, this is something that I'm gonna.  
  
Speaker 2 07:18  
Try and do.  
  
Speaker 1 07:19  
But at the moment I'm not entirely sure how it's gonna work. Okay, so right now I think the investigation, I think we seems to make sure for it. I'm trying to do.  
  
Speaker 2 07:30  
That.  
  
Speaker 1 07:33  
But if I do get to work, ideally I would like to share.  
  
Speaker 2 07:37  
Recordings. Thank you. In case.  
  
Speaker 1 07:41  
Have. Right. So next one for the assessment, 40% of your final grade comes from forceworth. So enforcement is two atoms on the deaths, about 20% each. So one is u and v 6 and the other one is v 13 and details of that. And so they're not posted yet. They're not posted in person in time, cannot see the account. That means for the daylight, they have one letter, first letter first comes about 10% and that will be a B7 under 20 seconds. So and then finally there's the exam. The example is 60% of your files, right? And the one important thing to remember is that in the exam, you have to get at least the. Okay, so the exact is out of 100, you must get at least 10 oxygen, even if your four square was 99 alpha hundred, if you get 29 alpha hundred for your final.  
  
Speaker 2 08:47  
Examination. I'm saying that and we approve a health.  
  
Speaker 1 08:52  
System and in terms of.  
  
Speaker 2 08:58  
Nature result, and this was copy.  
  
Speaker 1 09:56  
So it was a great dialogue data, right? ChatGPT also serves their AI.  
  
Speaker 2 10:04  
Teams. FCP.  
  
Speaker 1 10:07  
You are not allowed to use it to solve any questions. So you find users for any.  
  
Speaker 2 10:12  
Programming part. What does not everybody have any programming task?  
  
Speaker 1 10:16  
But you said once you use it and you can't use it to solve any of the variable problems and network, right? If you use it, if I am a little bit, you're writing or something, that is okay. But then you have to actually.  
  
Speaker 2 10:32  
Acknowledge us. I mean, let's say, okay.  
  
Speaker 1 10:35  
After I did all the things for my assignment, average feedback, you see some of that. Again, for this course, they have a 4th or for pieces for dissertation. So there's no real.  
  
Speaker 2 10:49  
Need to do this.  
  
Speaker 1 10:52  
Right? If you write me an answer, I'm not really. Martin will need it. Okay, more about the technical thing. So as long as the answer is good enough, so I understand what I mean, the BI, I'm gonna see it's okay. So I have previously student company and say you are English, I'm not English. Then I am scare. My age is not good enough. There's nothing problem. I actually got my first time is important. My parents only say in English school cuz I wasn't taking the seriously. So I definitely don't go around.  
  
Speaker 2 11:35  
Saying the final piece of finish or thinking language is not good. I, I meanwhile standing.  
  
Speaker 1 11:43  
Right.  
  
Speaker 1 11:50  
Okay. So in terms of course.  
  
Speaker 2 11:51  
I will give.  
  
Speaker 1 11:53  
So basically you we use these things for silos, of course, Infinity Platform. And so these are being. Ecommerce Action Ansl, Skype of the field in tax.  
  
Speaker 1 13:05  
No os vale el martes? Science and the Maker Maker vale, esto es el Conference be you puse.  
  
Speaker 2 13:15  
On the Masters of the ecommerce.  
  
Speaker 1 13:16  
Ecommerce Program. Entonces, pide soportes para acceder a ceder Juan Escoces Design for Eye One, Easy Creative Four. You King, you heve nothing Security work, US Airlines.  
  
Speaker 1 13:43  
Gráficos seguros Times, alcandational Things, entonces.  
  
Speaker 2 13:48  
Progresty.  
  
Speaker 1 13:53  
เป็นพ่อแม่สปอร์ตคัมซีย์อาเฉพาะสติรอบดูซิรถยนต์รถไฟมิวสิคแต่จริงอยู่2012ฝ่ายนายโจทก์สองอ่ะ.  
  
Speaker 2 14:06  
ไปดูโทนสีเยอะๆ.  
  
Speaker 2 14:10  
โคตรเชิญพระเอกอาร์ไอก่อนจะเป็นสปอยค่อนข้างที่ดีว่าจะโคตรอ่ะส่วน4ปีคอนซิไฟ.  
  
Speaker 1 14:21  
Pressorที่มีได้pantsardistar of the dation road หรือกว่า interact บ้านpriortprodhenjectที่จะมี. ค่าติดไปซิไปเดิมนี้เลยผมไปเป็นairviserico person.  
  
Speaker 1 14:41  
เป็นไงดีแล้วท้องที่คือโค้ชตัวเองแล้วประเด็นที่เราอยู่ในเกณฑ์เออสกินฟอร์ดเอ่อทําให้ส่งเสริมอีกทีใส่ว่าโดน10ทั่วประเทศเอาจะคอยดูซีรี่ย์. เห้ยอ่าคิดว่า.  
  
Speaker 2 15:15  
Harlinwest en el show de Ciudad de México, 2017.  
  
Speaker 1 15:24  
Gracias. Realizar Discovery interview de veces no les voy a Internet, ese es.  
  
Speaker 2 15:33  
El examen aquí a cualquier.  
  
Speaker 1 15:37  
Sitio. Some weeks we're a little bit.  
  
Speaker 2 15:39  
Slow. I'm gonna.  
  
Speaker 1 15:40  
Override it to the next week. But some weeks are for the fast. So the next ones started earlier, but this is the general plan. So integrity right now, admin and basic security herself. In week 2, we're gonna have Smith encryption. A week three, we're not gonna have fast because it's the.  
  
Speaker 2 15:58  
Facebook.  
  
Speaker 1 16:00  
And before we gonna have some data encryption, before we also gonna make our slots. So the university already scheduled a makeup.  
  
Speaker 2 16:08  
Class to be 17 to September to be under 29 schedule severity, you know this calendar. So we'll have to process.  
  
Speaker 1 16:19  
But there is no time in final Sunday, which I see will be in the same insurance, exactly the same time. We try for the integrity, we see for the intention and the.  
  
Speaker 2 16:31  
Problem safe will be here. I will say that because I need you to let them quest and will give you two weeks management because of security. So major security.  
  
Speaker 1 16:43  
Very . Okay. So at this stage, is.  
  
Speaker 2 16:48  
There any patience about? And.  
  
Speaker 1 16:58  
So one thing I forgot to mention is the passes from 4, but you know, so I'll give you a break somewhere about payment is between somewhere, depending on how monetization is a good place to solve, somewhere between 2:50 and.  
  
Speaker 2 17:14  
3:00 will take like a stage.  
  
Speaker 1 17:19  
Okay, so let's start. So introductive.  
  
Speaker 2 17:22  
Situation.  
  
Speaker 1 17:26  
So today's lecture, we sort of start putting as what is.  
  
Speaker 2 17:29  
Security. We have a look at some.  
  
Speaker 1 17:32  
Terminology. It's gonna cover some of the eight topics and we gonna talk about like during the course was much more.  
  
Speaker 2 17:39  
Detailed. And we also then I spoke about standards, right? So when you talk about Spanish, this is great. This course. When we teach you some of the security things, when we talk about actual protocol, when we talk about actual algorithm.  
  
Speaker 1 17:58  
I prepare each actual industry standard rather than their side, first of all, from.  
  
Speaker 2 18:04  
Academy, right? So when we get there.  
  
Speaker 1 18:08  
I would say which side is everything. For example, we have an education.  
  
Speaker 2 18:11  
Protocol.  
  
Speaker 1 18:12  
Into key management.  
  
Speaker 2 18:14  
That comes from international standard.  
  
Speaker 1 18:18  
To look at example. So in terms of designers recovering one to a free security requirement based impact systems and basic standards. Okay, so what is.  
  
Speaker 2 18:34  
Security, right?  
  
Speaker 1 18:37  
So if we think about how secure a.  
  
Speaker 2 18:40  
System is.  
  
Speaker 1 18:42  
There's actually not as.  
  
Speaker 2 18:43  
Decent as answer, right? Based on things we need to.  
  
Speaker 1 18:47  
Specify. First, we have to think how value grow is our system, our data, our information, what label do we want to protect? 2. In other words, is there some special security properties that we want to achieve? And then.  
  
Speaker 2 19:04  
Finally, we have to think.  
  
Speaker 1 19:05  
About how serious is.  
  
Speaker 2 19:06  
Someone going to be.  
  
Speaker 1 19:09  
In trying to actually.  
  
Speaker 2 19:10  
Take office.  
  
Speaker 1 19:12  
Right? So when we talk about an actor, we generally use the word anniversary. So we think about what would an anniversary try to do and how much time and money do they want.  
  
Speaker 2 19:22  
To invest can actually.  
  
Speaker 1 19:24  
Succeed. So why do we ask these questions? Because theoretically we can just say, I always.  
  
Speaker 2 19:30  
Find the perfect issue.  
  
Speaker 1 19:32  
I want a system that no.  
  
Speaker 2 19:33  
One should have.  
  
Speaker 1 19:35  
And this sounds very nice. Did we?  
  
Speaker 2 19:37  
Nice talking.  
  
Speaker 1 19:39  
About theoretical things. Para el crack desde Carlton Powers web de Richter, Aixwire es taper byte. Life. If I implement security mechanism, it cost extra money.  
  
Speaker 2 19:51  
If I work.  
  
Speaker 1 19:52  
For company, they have to hire instruction. I need a larger ID cost stage.  
  
Speaker 2 19:57  
To buy more specialist.  
  
Speaker 1 19:59  
Security. So it all takes time to the filler, it takes time to minus the implement, and it takes my need to maintain. So in other words, whenever you actually. Anterior, pues. Como vas a tener herris of myster you the.  
  
Speaker 2 20:16  
Basket.  
  
Speaker 1 20:17  
Of the side wireless the best in The Beatles. Infinity War Thing weekend hacer que tienes vale aquí? ¿Cómo es la APP? Coordinador de Security, Miss Pallet, Michael Security tipo de Trade it of the just the five.  
  
Speaker 2 20:35  
Partner.  
  
Speaker 1 20:36  
Es difícil para compentir a Kitty Science y David Héctor my girlfriend Now de Microsoft Group franceses.  
  
Speaker 1 22:53  
Security, son tan celular seguridad Technology weekend user parte de.  
  
Speaker 2 23:07  
Steve Without in.  
  
Speaker 1 23:10  
The Heather.  
  
Speaker 2 23:16  
Vais a intentar Technology terminal?  
  
Speaker 1 23:22  
Teacher. Giuseppe.  
  
Speaker 2 23:25  
US Especialized beauty Fisher of Gaming.  
  
Speaker 1 23:30  
And Student You Strike for el iPad Style de instructores at the system of a mystery, the background, the night de 29 existe el pastel host Nutrition vale de esas no las fayers Tecnology Facebook Presents.  
  
Speaker 1 24:00  
So that does exactly what it's supposed.  
  
Speaker 2 24:02  
To do.  
  
Speaker 1 24:03  
But people.  
  
Speaker 2 24:04  
Use it in the integration.  
  
Speaker 1 24:06  
Right? So here we have.  
  
Speaker 2 24:08  
A gauge.  
  
Speaker 1 24:10  
And it's not the gauge fault the gate is doing exactly what it's supposed to do, eating people from flying down the road. But it's a bigger picture. It doesn't actually solve a problem of keeping for that because they're not in exercise.  
  
Speaker 2 24:24  
Because, right, and.  
  
Speaker 1 24:26  
This is an example. I can use a very good algorithm, I can use a very good mechanism when I use it for the.  
  
Speaker 2 24:33  
Wrong pay.  
  
Speaker 1 24:34  
Or I implemented in.  
  
Speaker 2 24:35  
A very.  
  
Speaker 1 24:38  
So apart from the technology, we have.  
  
Speaker 2 24:40  
Human factor and we have people.  
  
Speaker 1 24:42  
Using these development. So therefore, it's very important to understand.  
  
Speaker 2 24:45  
What I.  
  
Speaker 1 24:46  
Should use when, and what can those things actually use for me. And what else do I need to support as security, right? So security is all about protecting genes, things that are valuable. Actions are things that are valuable. The information security is about to take the, they say.  
  
Speaker 2 25:09  
Different classes of detection. People often.  
  
Speaker 1 25:12  
Talk about the wireless prevention. So I want to stop anything right, wrong at all. We don't need and we fail. Once it happens, they need to have detection is when something goes wrong. At least we should know.  
  
Speaker 2 25:28  
The main job.  
  
Speaker 1 25:30  
And the final one is the reaction of the recovery if something bad happens and we restore our system to.  
  
Speaker 2 25:36  
A state where qualifying.  
  
Speaker 1 25:40  
Garden and will provide security service later.  
  
Speaker 2 25:59  
Vale, sabes bien Eduardo Games. Security Balls Services. Security mobile where the Things Yeared.  
  
Speaker 1 26:15  
Firefox y además para decir cual es parece ID de CI Filety y Tager.  
  
Speaker 2 26:21  
Things en el Real P D, F =5 series y. Challenge.  
  
Speaker 1 27:00  
With all the service from someone that they are. So if we think about availability from an e.  
  
Speaker 2 27:07  
Commerce perspective, strive to watch a movie, to buy.  
  
Speaker 1 27:16  
Products, to give their email, and for some reason, somebody makes your system great and your clients cannot.  
  
Speaker 2 27:23  
Access.  
  
Speaker 1 27:25  
That service that they're paying for, then that's essentially my.  
  
Speaker 2 27:29  
Forecast for moving. Okay, right. I would be. Okay. So the next thing we can think about is threads.  
  
Speaker 1 27:40  
So a lot of people use different.  
  
Speaker 2 27:41  
Things, space to zero by attacks.  
  
Speaker 1 27:45  
If so, afraid is something that you possibly go wrong. So hasn't gone wrong. Is this something that could possibly happen to my system then that countermeasures are things I put in place to make it less likely that these threats will actually happen. So that control, security controls, vulnerabilities are problems that remain in the system despite my account to measure if I actually be a problem with the continuation.  
  
Speaker 2 28:17  
Itself, right?  
  
Speaker 1 28:19  
And in the chat is in a realization of the screen. So where does this constantly go wrong? He happened early day.  
  
Speaker 2 28:27  
You'll be actually describing.  
  
Speaker 1 28:30  
Fine. So building on threads, we can have traits are the separately and we can have phrase that are.  
  
Speaker 2 28:39  
Accidating.  
  
Speaker 1 28:40  
So often when we think about.  
  
Speaker 2 28:42  
Security, people who often, just think.  
  
Speaker 1 28:44  
About it, people who need freight.  
  
Speaker 2 28:48  
In the system.  
  
Speaker 1 28:49  
Steal information, steal money.  
  
Speaker 2 28:52  
Fraud, right?  
  
Speaker 1 28:54  
If you think about a security goal being no unauthorized.  
  
Speaker 2 29:00  
Social data.  
  
Speaker 1 29:02  
That is unfortunately forces.  
  
Speaker 2 30:20  
E indesh cuanta ingredientes.  
  
Speaker 1 30:22  
Tipo taxi provisional entonces, pues Mary Coppel. At the.  
  
Speaker 2 30:28  
Party country.  
  
Speaker 1 30:30  
For Ross, vale. Software software Institute sobre counter I'm for prices, what is through plation historial. De Scientist, Kill You data idea de la.  
  
Speaker 2 30:47  
Persona.  
  
Speaker 1 31:11  
Bueno. El beso, thirty Cry tools. Vamos a empezar. De terminales, digo este. This was infusion. I think the life will be about 2 years. Our covid father has moved to a new word, which is called industry. Because intruders has an initial meaning, basically means something outside and they want.  
  
Speaker 2 31:39  
To stop.  
  
Speaker 1 31:40  
Inside. They want to come into an area with a.  
  
Speaker 2 31:43  
Lot of class B. Every time they realize that people who are inside your system already and also be an adverse right, people might have rights to be.  
  
Speaker 1 31:55  
Inside the system. My band might.  
  
Speaker 2 31:57  
Have bad ideas. They might have malicious.  
  
Speaker 1 32:00  
Asian right. So if I call them intruder, and this.  
  
Speaker 2 32:04  
Journey has to think about which.  
  
Speaker 1 32:07  
Right, there's also two different types of industries. So why we refer to as.  
  
Speaker 2 32:13  
Asset.  
  
Speaker 1 32:14  
So.  
  
Speaker 2 32:15  
Passive.  
  
Speaker 1 32:16  
Industries will only ever.  
  
Speaker 2 32:17  
Observe information data center actors to necessary qualify anything. Then I copy anything. They.  
  
Speaker 1 32:27  
See what? Please stop me. Consistency and active adverse. Three states have made action. So anything else is in Wi Fi data is a forge data. If they try and delete data, if they falsify data, anything, they're considered in active industry. So a simple way of thinking.  
  
Speaker 2 32:49  
About this.  
  
Speaker 1 32:49  
Would be if you have your laptop open and you take a little break and your friend makes you these over and looks at your email, that would be a passive.  
  
Speaker 2 32:59  
Attached.  
  
Speaker 1 33:47  
Jenny. Security rhythmensy en el taller de México. ครับเลขครับเอซีซอยอีกซอยชื่อเสร็จโปรแกรม. เดอะเซอใช้สิ. รีอาร์แซนไปดีค่ะแอสซิสต์อยู่แล้วเลยสิซอยซึ่ง. จะได้.  
  
Speaker 1 34:22  
อาจจะเลเซตอัพไซต์สิ่งที่ผมเป็นหน้าถอนไปดูเซอร์ไดร์ดูจริงไหมไม่และเซลล์ใหม่ไม่ไปแล้วก็มีคนไม่เชิง. เดี๋ยวนี้จริงจริงโนมวลีเดือยเฉยๆมันทําเสร็จแลนด์คอนเซ็ปต์สบายใจเรียกว่ามีไอช่วงเย็นปัญญา. เต้นเซลล์มาดีเย็นส่วนใหญ่เสนอในสลายเรียนได้เออเป็นของ.  
  
Speaker 2 34:52  
Only really sorry, that right. So information security and organize crime increasingly versus.  
  
Speaker 1 35:03  
4. No, also lots of money to actually making them out of service by money. This is able from editor system. So you can drive it somewhere. You can hire somebody with.  
  
Speaker 2 35:19  
One name, created one for you to know.  
  
Speaker 1 35:21  
The services that actually you paid so much, sometimes exercise significant advances money. And there was one famous guy I'll give her. They were making vulnerabilities.  
  
Speaker 2 35:38  
On finding our service accounts this morning.  
  
Speaker 1 35:46  
Next up is by commercial ability esteem arch.  
  
Speaker 2 35:49  
So this is people with.  
  
Speaker 1 35:51  
Very large.  
  
Speaker 2 35:52  
Resources.  
  
Speaker 1 35:53  
Very high knowledge, right? They also refer to SAP, right? Right, great, right? Surely, if they probably wanna bring it to yourself, you cannot have very.  
  
Speaker 2 36:03  
Hard time to do because they're probably.  
  
Speaker 1 36:06  
Smarter than most people. And I might be guys kidding, they're not necessarily getting enough. And then I find again and again and again for the final one is a cat review of people here more recently. And these are called activists activeness. I created the unpredictable. So they not necessarily that to make money, but they could have very good skill set. So their skill set you on the table for almost and commercial.  
  
Speaker 1 36:42  
ปัจจัยครับพี่โอ๋. ซึ่งไม่ค่อยมีโอซ่อมอีกทีนึงเค้ก. สองคนด้วยวัน. สุดท้ายเป็นเว็บไซต์เด็กคอมพิวเตอร์ร้อยละไปวินาทีอันสําคัญเสีย7สองปีของเด็กนะครับ.  
  
Speaker 1 37:01  
And void, I will give you case study for next week. It's about Sony. So Sony runs PlayStation and there was an actor that this single the internal right management sort of PlayStation and then Sony was trying to.  
  
Speaker 2 37:17  
Sue him. What?  
  
Speaker 1 37:19  
And then.  
  
Speaker 1 37:23  
พี่เอิร์ธเซ็นเตอร์ดีเอิร์ธโซโลสเต็กแต่อย่างเดียวไม่ดีอันนี้มาซื้อไปซื้อผสมพันธุ์สเปกในเรื่องรอยคัมภีร์วิถีรวยครับแต่เรื่องอะไรแบ่งปันอยู่ในวันสองไปเลยเน็ตเป็น. เอสเคสเซ็นท์. แสดงว่าเป็นเอเจนบอกถุยเป็นมนุษย์อะไรเสร็จนะครับ.  
  
Speaker 1 38:00  
�วัสดีครับvace.  
  
Speaker 2 38:02  
Passion เป็นอีกโควิดที่เป็นแจกpongage esities จะได้registจี้.  
  
Speaker 1 38:14  
วันนี้โอเซอร์กูดสิ่งศักดิ์สิทธิ์. อาทิศรีเสิร์ชดีกว่าร้อง.  
  
Speaker 1 38:45  
เดอะเลสเชนส์.  
  
Speaker 1 38:48  
เด็กซึ่งการชุมเทคนิคสวยเดียวกันสุดปล่อยมันซึ่งก็ใส่ใจเด็กโชว์อยากจะเกิดอะไร.  
  
Speaker 1 39:02  
สวัสดีฉันทรงใครเสร็จไปที่วันเสาร์หรือไม่เป็นแค่คิมมองกลุ่มเด็กเสิร์ฟไปจัดซื้อเสิร์ชก็ไม่ได้ทํา4ใส่คอนแทคเตอร์สเต็กได้อยู่ภายในวันศุกร์ฉีด. อาเซอร์เศษ. ก็คือซีอาร์พี.  
  
Speaker 1 39:56  
ซึ่งได้คุณไปสิ่งที่มัวแต่จริงครับผมเชิญครับว่าไปเสิร์ชกัน. ซัดแต่นี่เราจะซื้อเครดิตอื่นสิ.  
  
Speaker 1 40:13  
รินทร์แกเรียกสีเสด็จแอนด์เคียงเป็นประเทศฮ่องกงประสบความซึ่งจะซื้อไว้เซอร์วิสแชลซีเมื่อกี้โพลยซื้อ.  
  
Speaker 1 40:25  
อาร์เซนเป็นบาทหนังสือพิมพ์เสร็จสรรเสริญแล้วแล้วก็ไม่มีโรคพยาบาลเอกฉันท์เซ็นเอกฉันท์ซีพีเนชั่น. They could be detection or they could be recovery. So if we think about confidentiality and we try to prevent unauthorized. So is your paper, which one is the best one we should have? Is that for which one is the base one is improvement? Should it be prevention or detection? Anyone want to.  
  
Speaker 2 40:58  
Guess which one for.  
  
Speaker 1 41:00  
Front end strategy is going to get visual.  
  
Speaker 2 41:03  
Connotation? Probation could be made, right? And in the case of I constructs.  
  
Speaker 1 41:11  
Personal information, that is actually very.  
  
Speaker 2 41:14  
Important, right?  
  
Speaker 1 41:16  
Because if I have data, the moment I allow somebody take.  
  
Speaker 2 41:21  
It, it's too bad. I already not achieve my.  
  
Speaker 1 41:26  
Security goal. Yes, I can then later get the data.  
  
Speaker 2 41:29  
Back.  
  
Speaker 1 41:30  
Or I can reinstate the data. But the data is already got. So prevention is really.  
  
Speaker 2 41:36  
The most important.  
  
Speaker 1 41:38  
If we think about modification of f. So integrity is the oncall trust modification. What is the best preventing or detection? And think about what is actually possible. So what is the best thing that we do? Integrity prevention of.  
  
Speaker 2 41:55  
Detection. Now we have some different ones. So this is a.  
  
Speaker 1 42:02  
Telegram have already prevented somebody from changing something. If I send you message.  
  
Speaker 2 42:08  
Or relationship.  
  
Speaker 1 42:09  
Can I really prevent somebody.  
  
Speaker 2 42:11  
From more than 5 dimension?  
  
Speaker 1 42:14  
I really, right? So the best I can really do is detect when you receive my message. It might be different from when I gave, but you should be able to.  
  
Speaker 2 42:26  
Tell.  
  
Speaker 1 42:27  
That basis.  
  
Speaker 2 42:28  
Is not the one I say.  
  
Speaker 1 42:29  
And then we can lose the recovery. You can contact you back and say, well, you send a.  
  
Speaker 2 42:34  
Basis, let us.  
  
Speaker 1 42:35  
Find the cryptography. Check on.  
  
Speaker 2 42:37  
It doesn't really match.  
  
Speaker 1 42:39  
I think we should try.  
  
Speaker 2 42:40  
Again. And I think there's somebody trying to miss.  
  
Speaker 1 42:43  
Right? So the terms of intensity, we can't really probate. Yeah, some cases we can probate any of the status stored on a test. Then it would be very similar to write surgery. But even in that case, if we encrypt data, there's nothing. So preventing somebody from qualifying and then we encrypted, this is next Friday, the value, right? And so it's not really forbid somebody from doing that, but interrupting something that really forbid something. The journey for integrity is provide Protection.  
  
Speaker 2 43:19  
For a stage. I think more like, okay, some other security suggestions.  
  
Speaker 1 43:29  
And we can have entity within fashion. So entity fashion basically verifies who somebody is. It will be a group, but.  
  
Speaker 2 43:41  
It could also be a thing.  
  
Speaker 1 43:44  
As a.  
  
Speaker 2 43:44  
Letter.  
  
Speaker 1 43:45  
We'll see how you say, hey, sheet manually. Computer security.  
  
Speaker 2 43:50  
Will see that you may educate people at.  
  
Speaker 1 43:53  
My piece like the. So Agnes indication is a time to indicating somebody, can I verify through my action? Okay, another service we can have is origin and manufacture.  
  
Speaker 2 44:09  
So origin and manufacture, I would provide verification of the source of the date. So when I get a message, it has origin association.  
  
Speaker 1 44:18  
Bad. I could use it to verify that this may each page from else, right? And I can check it and I can say, okay, the message that I received, it is actually.  
  
Speaker 2 44:32  
Message.  
  
Speaker 1 44:33  
That has been.  
  
Speaker 2 44:33  
Sent by us.  
  
Speaker 1 44:36  
So then I try to see the summer region and education would provide us.  
  
Speaker 2 44:41  
Integrity.  
  
Speaker 1 44:42  
But origin of education cannot.  
  
Speaker 2 44:44  
Provide us with institute education. Why? Because it only proves that this message was made by us. Not that the person is giving us the message is actually.  
  
Speaker 1 44:59  
If you guys at any kind of, if you just guys, you.  
  
Speaker 2 45:05  
Mentioned design a little stuff.  
  
Speaker 1 45:07  
Right? And then the circuit regarding the path when the version gives circle, right? They said, we think about that step as my signature ahead said proves that I.  
  
Speaker 2 45:20  
Authorize.  
  
Speaker 1 45:21  
Today. So that document was made by me and approved by me. But when the message gave it to the.  
  
Speaker 2 45:28  
Bank.  
  
Speaker 1 45:29  
It's been in no way we use proof to the bank decision. It means the message has.  
  
Speaker 2 45:35  
A paper from.  
  
Speaker 1 45:36  
Paper is not exclude anything about the person to expectation, right? So that's where institute indication goes.  
  
Speaker 2 45:44  
One step. So I will talk about it later.  
  
Speaker 1 45:48  
It basically means this person is in possession of something that only management is made. And I must have excited very easy, right? So it basically flashing somebody signed.  
  
Speaker 2 46:02  
It.  
  
Speaker 1 46:03  
Can you know, okay, that paper was made by Alice. I needed, and I've seen her sign it, the business signing the paper right now, RBI. But if somebody just gives me the sign paper later, I know the paper was made by us. But it's not just too many parameters. I am actually right. Access control. And so access control is unauthorized use of resources. So everything we have is earlier.  
  
Speaker 2 46:39  
Not used by specific.  
  
Speaker 1 46:40  
People. And essentially access control. So in case you can use one, access control is one thing. And of course, he does.  
  
Speaker 2 46:49  
Very fast. So we're gonna talk about those other services.  
  
Speaker 1 46:52  
Confidentiality, integrity, title, education, urgent education. We can talk about investigation, and we're not very.  
  
Speaker 2 47:01  
Clear about access control. Reason for this is the concept of access control is very easy understand, right? There's a couple of basic models, but.  
  
Speaker 1 47:11  
The basic idea support, I have teams resource, I have people, I assign privileges for white people. And you see where access control already becomes interesting are you.  
  
Speaker 2 47:24  
Enforce it.  
  
Speaker 1 47:26  
Right? And then you move a little better way from security into things like operating.  
  
Speaker 2 47:32  
System. This case.  
  
Speaker 1 47:34  
If you look at operating system kernel, you look at trusted.  
  
Speaker 2 47:37  
Code, you think.  
  
Speaker 1 47:39  
About how you actually validate they maintain system. People have ask, imagine that you understand you, right? So also tell a little bit about my thinking about axis control is that we were certain. Okay, so I think for now it's on the soft exercise almost 45. So I think you can have K minutes, right? Making private science that make sure it's not us. I think you should have internet, right? And then you start again and create the funny security sellers. But it's also quite useful and important. So another radiation is essentially, can we provide some sort of graphic mechanism that will prevent somebody. Saint interesante interno Acater.  
  
Speaker 2 48:46  
Fish.  
  
Speaker 1 48:47  
And I later go and I say no. I later. Thank you. Por a ese sal de 10 veces le recibe. Never receive it. Okay, so in terms of verifying that, I have done.  
  
Speaker 2 49:05  
Something.  
  
Speaker 1 49:06  
That is called non reputation origin. In other words, I cannot later deny that I would say there of a.  
  
Speaker 2 49:13  
Message.  
  
Speaker 1 49:14  
And for somebody to not deny the failure receiver of a message is a non reputation of the. So you can like your side fever is not perceived, right? So if you think about it in non it terms, you can think about writing a enter. If you write a letter, then you can sign it. So that will essentially mean this document was made by you. So that will provide non repairation of origin. Somebody got this center.  
  
Speaker 2 49:47  
And later on I said.  
  
Speaker 1 49:49  
Well, I didn't send you later and I can say, well, that's funny because I have the seeds of filter here and as your signature.  
  
Speaker 2 49:56  
At the corner.  
  
Speaker 1 49:57  
If I want to do non reputation and delivery, in that case, maybe I can use courier to send a letter or some kind of recorded delivery. So when the recipient gets it, they have to sign for it, right? So now that they have sign for the fact.  
  
Speaker 1 50:16  
ความเป็นไซด์อาร์ไอก่อนตัดสินใจเล็กแสดงก็อะไรเป็นใจเราอ่าเดินทุกอย่างนี้ก็เวทีออฟเดอะเวิลด์ซอฟท์ดีเด่นล็อตเตอร์ได้เข้าซ้อนเฟรนแอนด์เดอะซีเรียส. I feel that would be a simple.  
  
Speaker 2 50:33  
Example that we do with creator. So why is this important?  
  
Speaker 1 50:40  
Okay. So another mediation have a live basis and as an online basis for online commerce later.  
  
Speaker 1 50:58  
And I don't want somebody that I make a business agreement with to later come and say, that is not something.  
  
Speaker 2 51:04  
That. El viejito.  
  
Speaker 1 51:06  
O el esperanza del PIB by the secret West, It's.  
  
Speaker 2 51:09  
Nothing.  
  
Speaker 1 51:12  
Eh Icon Inbusiness.  
  
Speaker 2 51:13  
Where I.  
  
Speaker 1 51:14  
Group YCD cant of my lounge and opening and you Company you. So these people be 100 PC. I want PC, I want screen, I want everything because this is gonna go.  
  
Speaker 2 51:27  
Into the office.  
  
Speaker 1 51:28  
And I can get that person an invoice. That person can say, yes, I am happy with the invoice. I'm going to order perfect. And then I spend money getting all the parts. I get equal to gold, everything. And then on the day that I wish to deliver, I contact the person in the meantime, found somebody else that is cheaper, and then they just basically decide. I've never had a right for, okay, do that. In that case, we need normal deviation, right? We need some kind of proof where we can go and say, we got an electronic way of showing the gifts. This is the person I hope to get.  
  
Speaker 1 52:07  
เป็นซอยมนุษย์ที่มีไอจีส่วนซอยคอนแทร็ปสมัยที่เป็นโค.  
  
Speaker 1 52:13  
And say we had an agreement and we definitely decide we cannot go back again, I would say three day or 80. So non radiation is very useful. The non radiation already existed before. The non radiation exists from signature, from witness statement, from faster different things. But under deviation in this context, how we can do the same thing correctly?  
  
Speaker 1 52:38  
Okay, so we think about all these services and we think back to mechanisms and threats. Why are all the different threads, the different mechanisms or different services, sorry. So for confidentiality, the trade is led to disclosure. For integrity, the trade is set to offer ratio, probability matrix, nylon service. And for entertainment education, we could have master, right? That's right. Is it somebody who hates to be somebody else? For origin and education, we have merchant or a origin of any cash also goes to bed towards providing paper tea. Have seen by that in the story of the FP and non repeat action as a non instances like we just said, basically the trace notification is notification and then trace access control be related like access, right? In terms of the next step, which is mechanisms. So the mechanism is a way to provide, so this is actually the technical scheme that we are going to use to actually implement security service. So mechanism can be pro divided into two classes. So one thing can be specific. So specific security initiatives that provides one.  
  
Speaker 2 53:59  
Security service.  
  
Speaker 1 54:02  
Okay, so we might say digital signature provides.  
  
Speaker 2 54:06  
Notifications.  
  
Speaker 1 54:07  
Or encryption provides confidentiality. Okay, whereas if we have some people that pervasive security.  
  
Speaker 2 54:14  
Mechanism.  
  
Speaker 1 54:16  
That mechanism cannot provide any of the security services by.  
  
Speaker 2 54:20  
Itself.  
  
Speaker 1 54:22  
But it helps us.  
  
Speaker 2 54:23  
To do either things, for.  
  
Speaker 1 54:25  
Example, in meditation, for labeling. นะครับสไลด์นิ่งเอาใจก็.  
  
Speaker 1 54:52  
เสริมนิดนึงไม่ได้จําเป็น. To match the.  
  
Speaker 2 54:55  
Services.  
  
Speaker 1 54:57  
And by the nationality is done by encryption integrity can be provided by native fashion cards on digital signatures, availability is redundancy, backups, that kind of thing. Entity of education is of education protocols or agent of education. Another video is Digital Signature Access, Controls access, right? And that sounds like, if you remember what we said about Salesforce outline earlier, we gonna look at description, we're gonna look at everything, max and digital signature, and we can integrate indication protocols. So we pretty much gonna cover all the services in.  
  
Speaker 2 55:37  
Maintenance and apart from access.  
  
Speaker 1 55:39  
Account sources open a little bit about equal security.  
  
Speaker 2 55:43  
We talk a little bit about in our research.  
  
Speaker 1 55:47  
So if we really want to be strict, we can say this is a label that's slightly lower down.  
  
Speaker 2 55:52  
In our current mechanism.  
  
Speaker 1 55:54  
Which is the actual algorithms we use to go the native. So at this table, we have different mass, different algorithms for providing on making this portfolio make for encryption. We have the famous one, the Data Encryption Standard, variations of the Data.  
  
Speaker 2 56:13  
Encryption Standards is triple this. And then, so why don't we.  
  
Speaker 1 56:16  
Stay with this advanced project? Then if you look at copy encryption, you can have things like RSA, you can have things like this.  
  
Speaker 2 56:25  
Because, and there's also another strange thing that exists in standards that is antispecific.  
  
Speaker 1 56:32  
I don't know, actually, especially because the other countries are the same, but they're not really common to you. That might likely that you see the factors widely used messages, education code. So you can use CDC mode, max can have cash, max, digital signature. You can do a variety of way using RSA. Then because visual signature algorithm, this. เราจะเป็นassetconseam clay envise of kound star intern seature f. At shashassexaltoresurce bond exitoในเชิงการล่าสุดbloyd a d.  
  
Speaker 2 57:12  
A the the.  
  
Speaker 1 57:13  
�ะไรกันเค้าauthour the context the the toxt to plescilljoteguidsครับ.  
  
Speaker 1 57:25  
Quality random number. So either random number generation, sometimes if you want to use it for security.  
  
Speaker 2 57:31  
Purposes, care must be taken how you actually.  
  
Speaker 1 57:35  
Generates that random number. Then you can have pseudo random number generator to that 90 guys. Now they're actually generated with an equation. So they are not truly.  
  
Speaker 2 57:45  
Random.  
  
Speaker 1 57:46  
But for somebody.  
  
Speaker 2 57:47  
That.  
  
Speaker 1 57:48  
He's only observing the processes of black.  
  
Speaker 2 57:50  
Box.  
  
Speaker 1 57:51  
The sequence of numbers are there to be random. In other words, I cannot sustain for.  
  
Speaker 2 57:55  
The next one.  
  
Speaker 1 57:57  
And then you have other things which are actually true random content generators, which uses some random process. And for example, some random process like electronic news kind of noise, sorry, some other physical matters that you generate, you guys. So it doesn't quite.  
  
Speaker 2 58:14  
Specific.  
  
Speaker 1 58:16  
When we talk about team management, come a bit back to true Ramadan generation.  
  
Speaker 2 58:21  
To look at part of the security for.  
  
Speaker 1 58:27  
Okay, so thank you to the first section of the lecture. So we'll move on to the second part. So if we want to think about content measures and.  
  
Speaker 2 58:38  
Mechanisms and.  
  
Speaker 1 58:40  
Algorithms, where will we find? And the solution is we gonna find them in security manner, right? So what is a.  
  
Speaker 2 58:51  
Standard?  
  
Speaker 1 58:52  
So there's actually a standard that France won't expanded it. So a standard in short, before we get to the official things, a standard is a document that will explain to you how to do something and which has been generated by people who are experienced in the topic. So there is a case.  
  
Speaker 2 59:13  
Where.  
  
Speaker 1 59:13  
You do it and then that's published. But the official one is a document established by.  
  
Speaker 2 59:20  
Consensus.  
  
Speaker 1 59:21  
Approved by recognized.  
  
Speaker 2 59:22  
Body, provides for common and.  
  
Speaker 1 59:24  
Repeated gifts, rules, identity, characteristic, fertility, and their results, and then achievement of the optimum material. That's very complicated, but we can basically break down a little bit. So it's a document, which means the written document.  
  
Speaker 2 59:42  
It's may.  
  
Speaker 1 59:44  
By consensus. So what this means is good standards generally allow anyone to contribute. They get lots of people together in different countries from different backgrounds with the academic to feed history to see neither of those. Everybody can get.  
  
Speaker 2 01:00:02  
Together.  
  
Speaker 1 01:00:04  
Put forward solutions and then talk a lot about the solutions. And hopefully everything works at the end of the valid sheet.  
  
Speaker 2 01:00:11  
Consensus.  
  
Speaker 1 01:00:13  
Which means agreement on what the best solution is. And that is the solution that is in written pieces, documents. When America is voice comes in, standards need to be maintained by someone. There's some questions about quality control. So we need a standard. Está el de por ahí? Get the experts together that could provide some kind of process by research, a. De servicio antes, si yesterday este hay 10 nenas. You can basically publish and sell the standards to the.  
  
Speaker 2 01:00:52  
People that want to use.  
  
Speaker 1 01:00:54  
It. And that very much body is then also responsible for you something that's wrong with the standard. Getting everybody back, we start having a.  
  
Speaker 2 01:01:02  
New set, right?  
  
Speaker 1 01:01:05  
So a standard provides for common and repeated use to against rules and values and characteristics of common repeated use. So there is a difference between a standard and a design, right? So if we.  
  
Speaker 2 01:01:21  
Basically said, how.  
  
Speaker 1 01:01:22  
Can we wire?  
  
Speaker 1 01:01:37  
Be used once in a very specific.  
  
Speaker 2 01:01:39  
Situation.  
  
Speaker 1 01:01:41  
If we write a document that says, how should we wire TVs in classrooms. Y qué luego, o sea el día, están diferentes valmenítico y Mary classroom en Mary.  
  
Speaker 2 01:01:53  
Bethes, Upyd Mayweather withhabuche you.  
  
Speaker 1 01:01:58  
How lonch to the table tablet aparte de ti. Me from this unit over state that can be into this batch makes it different QA result.  
  
Speaker 2 01:02:08  
Right?  
  
Speaker 1 01:02:08  
It's either the achievement of the optimum degree. So this means it's gonna be the best solution for a very clearly defined problem. So the standard will say, we're trying to solve the firing problem. We think this is the best solution if it is used exactly in.  
  
Speaker 2 01:02:26  
This way.  
  
Speaker 1 01:02:27  
Right? So basically that is what a standard is. So in short, as I said in the beginning, it's a document. It's argued about by experts and they agree on something. It's then approved by someone else and then into the document, including.  
  
Speaker 2 01:02:43  
The public space.  
  
Speaker 1 01:02:45  
It's generally unbiased and 30 ldr reason, right? So it's sort of not a, any, sorry, that's the other thing. It's not really a solution that benefits anyone city. So it's not gonna.  
  
Speaker 2 01:02:57  
Like money for a company.  
  
Speaker 1 01:03:00  
Right? It's generally like considers the case, they try and take their money. So why should we.  
  
Speaker 2 01:03:07  
Use standards? So it's often said that standards.  
  
Speaker 1 01:03:11  
Are essential.  
  
Speaker 1 01:03:27  
Ingeniero.  
  
Speaker 2 01:03:30  
Y.  
  
Speaker 1 01:03:30  
Desde el ready institution for.  
  
Speaker 2 01:03:33  
You.  
  
Speaker 1 01:03:35  
Cost Efective verifica simplemente y simplemente debes de llegar al que usted de la armonía es que. For you duration that the situation is good, but it's gonna save us money. At the same time, if you say my system uses an accepted standard, people are gonna think this guy has not made. Thing is I said and this is something that.  
  
Speaker 2 01:04:03  
Is good because all the large companies use it. Everybody in the world.  
  
Speaker 1 01:04:32  
Very important thing about.  
  
Speaker 2 01:04:33  
Standards.  
  
Speaker 1 01:04:34  
That is not in this definition, and that is senior operability, right? And if your operability is something that early on drove security standards, and we'll look next week, when we look two weeks from now, when we look at the 19 that is I came above, there was here that everybody was in the starting 15 days and this. El día del Nights and Freddy's del Fishing for The Exchange Titans Stand, Eddy Smith.  
  
Speaker 2 01:05:01  
Andy Easy.  
  
Speaker 1 01:05:02  
Victor Somvery and One Hundred Cryptely Preventive Somvery and not the hunger and incremental sisters in the Internet, Everything. Systems, you work exactly the same way and they just.  
  
Speaker 2 01:05:13  
Talk to each other.  
  
Speaker 1 01:05:14  
Because everything is booked in the same. We have very good feature operability. Even our systems are good for different purpose. I encrypt data in a certain way. It is the fact that I would send.  
  
Speaker 2 01:05:26  
It to you and okay, I can be used standard, right?  
  
Speaker 1 01:05:34  
So common ways to use standard, 3 different ways we can.  
  
Speaker 2 01:05:39  
Implement this.  
  
Speaker 1 01:05:40  
Standard exactly as it is.  
  
Speaker 2 01:05:42  
There, right?  
  
Speaker 1 01:05:45  
We can then ask somebody else to come look at our system. That's a party or that entity can case our system them and they can check our design and they can say, yes, these people have successfully implemented the standard, the invite, a little sophisticated, says, congratulations, your implementation matches this standards.  
  
Speaker 1 01:06:06  
The next step down is compliance. So compliance is basically the same. You're gonna take the standard, you're gonna read it, you're gonna be implemented exactly as is written there, but you're not gonna get the other person to come. Okay? And then when you try to sell your product, you're just gonna say, my product is compliant to the standard. In other ways, we follow all the.  
  
Speaker 2 01:06:25  
Guidance in the.  
  
Speaker 1 01:06:27  
Sand. And then the last one is some standards are both in that way that they're not really intended for you to keep them in H5A. Let us give you some guidance, and you can use some parts of it as you feel is relevant your services. So we can read it, we can get some information from it and then we can use some of the parts you brought a right. So in security standards, the bottom two is my performance. It's very rare to have certification, right? In terms of certification, the area of security standard that has certification is 27,000. This is here to manage exactly right. So you would get some usually a bit for amplifier or something like that come in, look at your security management.

Speaker 2 01:07:19  
Processes.  
  
Speaker 1 01:07:20  
Subsecurity controls, you have your company and help you use. For example, this is very different to other industry, like other industry and do a building light bulb or profit or something. Every time you go. For you to establish anyone, you may need to fade into some testing house that is usually run.  
  
Speaker 2 01:07:40  
By government.  
  
Speaker 1 01:07:41  
Or by the standardization board and they will say, okay, the live bulk has to adhere to ISO, IOC, blah, blah, blah. And they will have the life of a city life, oh, into it and then phrase it in the same, I'm sorry, this is not compliance with the set. So it's very common in other things, but in security, actually not very competing compliance and basis for you for. Okay, so now for several slides, I'll be telling you how fantastic and great.  
  
Speaker 2 01:08:10  
Standards are.  
  
Speaker 1 01:08:12  
So we have to be honest and say sometimes they also.  
  
Speaker 2 01:08:15  
Doesn't work as well.  
  
Speaker 1 01:08:17  
Okay, so standards.  
  
Speaker 2 01:08:19  
You have problems. Okay.  
  
Speaker 1 01:08:23  
Sometimes, as we know, if we put 100 people together in a room and we tell them come up with one.  
  
Speaker 2 01:08:31  
Opinion.  
  
Speaker 1 01:08:32  
One.  
  
Speaker 2 01:08:32  
Design.  
  
Speaker 1 01:08:34  
That is that any guy should be.  
  
Speaker 2 01:08:36  
Impossible.  
  
Speaker 1 01:08:37  
I think it's.  
  
Speaker 2 01:08:38  
Very hard.  
  
Speaker 1 01:08:39  
Right? So if we talk about consensus and everybody agreeing, everybody.  
  
Speaker 1 01:08:46  
เค้ารีเจนต์ในเรียนเค้าไม่ระรองไว้ภายในสลัมพรบุรีในสิทธิสงครามว่าเพื่อจะเป็นทีมในการขายอาร์พีเอสเนี่ยก็จะเป็นอีกรายครับร้อยเออร์โรเดอร์เซอเรโซตรีเป็นใบนี้. Kinds of finding things a lot, right? One example of this, which giant cards is I told him reading in the lecture.  
  
Speaker 2 01:09:09  
Slot cards.  
  
Speaker 1 01:09:10  
Yeah, electronic ID and passport payment.  
  
Speaker 2 01:09:13  
Card. Okay.  
  
Speaker 1 01:09:15  
So the most common content was payment standard. If I set one for. La verdad es que sería Rafa en el sentido en el que.  
  
Speaker 1 01:09:28  
เดินทางกลายเป็น10ไว้แซนด์คัมป์นูใช้สิงห์บลูส์โฮลหมาย60เอ่อฟันด์อีแซะเลย4%แอคเคาท์.  
  
Speaker 1 01:09:58  
Bueno, este es el sombrero que hay contigo.  
  
Speaker 2 01:10:02  
Scan de la minoría.  
  
Speaker 1 01:10:03  
Del sábado en the United States es el problem wester.  
  
Speaker 2 01:10:06  
Conforman.  
  
Speaker 1 01:10:07  
Service Fort Standing IT Canob the West Old Ready, Three veries.  
  
Speaker 2 01:10:11  
Trans. To mention the one was NHC.  
  
Speaker 1 01:10:16  
Which is Phillips versus semiconductor company. You already had one from Excess Instruments, which is the US company AC Electronics side system. And then you had, so he was a third system and these systems were already deployed in making those companies playing. So if you not come together and want to my standard, they're gonna fight for their own product. They don't want to adopt something else. So at the end of the day, you ended up with Type a, which is in HP, you ended up with Type B, basically.  
  
Speaker 2 01:10:50  
Cases insurance.  
  
Speaker 1 01:10:52  
And Sony, they said finally and officially.  
  
Speaker 2 01:10:56  
Sony, which is a card that we use, a proposal.  
  
Speaker 1 01:11:01  
It's basically. Eso es official Tours.  
  
Speaker 2 01:11:04  
País, pero esto.  
  
Speaker 1 01:11:05  
Es necesario. ¿Vale entonces diversas cosas en México? Entonces Jeffrey, un beso literal, sé que este en el Twitter que me conteste. Should.  
  
Speaker 2 01:11:15  
Be good at.  
  
Speaker 1 01:11:17  
So if I make my standard incredibly difficult to understand, it's a very complex system. My standard is 900 famous law, right? I will see major by industry standard. If you look at payment type industry standards, if you look at electronic payments and GMV.  
  
Speaker 2 01:11:34  
Values.  
  
Speaker 1 01:11:36  
There's like five parts to the standard. And every single part, there's like hundreds of pages and a huge release that we have to.  
  
Speaker 2 01:11:43  
Be all of it.  
  
Speaker 1 01:11:45  
And along the way, people must read, people must understand and then go insecure if the system is a.  
  
Speaker 2 01:11:53  
Complicated.  
  
Speaker 1 01:11:58  
Right, sometimes commercial pressure can lead to partial implementation. So somebody comes along and says, well, for your company, it is things correctly. They have to do the following KT, but we don't have the patches to do the same thing either. Start from ourselves because the other field doesn't sound over that important. And failure system will be insecure because sometimes if you think about how long people, you think about the security system, they consider hundreds of different possibilities of weapon.  
  
Speaker 2 01:12:29  
Go home.  
  
Speaker 1 01:12:30  
Maybe in that moment, you don't realize that those other three things are.  
  
Speaker 2 01:12:34  
Actually important. But they are.  
  
Speaker 1 01:12:36  
There for a reason. Either if you take that up, you might have serious anticipated.  
  
Speaker 2 01:12:41  
Consistent.  
  
Speaker 1 01:12:43  
Right? And the last one is that very large companies can sometimes undermine standards and they can use a market share to basically exchange.  
  
Speaker 2 01:12:56  
Standards.  
  
Speaker 1 01:12:57  
Unofficially, whether it actually being written to the segment, right? So you think that very large company, do you think about Pinton or Huawei or Amazon Food? แล้วผมก็มีสิ.  
  
Speaker 1 01:13:13  
เอ่อไม่ใช่ความฝันในเฉพาะคนกันหมอไปสวีเดนริคู่เบอร์แล้วมีครับแต่มีใช่ครับแต่ถ้าจะโดนเป็นประกอบ. ก็รีบใช้โอเปอร์คอนเฟิร์มด้วยกันด้วย.  
  
Speaker 1 01:13:29  
ปัจจัยไอซ์ได้ทําอย่างนี้ก็คือเอ่อโอเซฮุนเป็นตัววันพฤหัสประเด็นร้อยเคลียร์ดิฉันและได้4โค้ชเส้นหมี่คือแบงก์8โมงเช่นไปโรงเรียนเดอะสตาร์ตีอยู่ซึ่งแฟนไซน์ฟรีเป็นที่.  
  
Speaker 1 01:13:47  
ในปีโค้ชที่เมืองจีนเป็นประวัติดีไซน์แต่มาราธอนอยากเราก็แสดงออกไปแข่งขันศึกไม่ได้ลองเรื่องนี้. ร้อยด้วยซ้ําเพลงนะครับเอ่อสองหนังสือ. For, let's say, internet standards. A lot of the internet standards, what we talk about later, the original solutions.  
  
Speaker 2 01:14:08  
Come from something.  
  
Speaker 1 01:14:10  
And anyway, because the company is large and become self officer, then everybody starts using endpost study and they say, well, you know, the solution is actually pretty good. Let's also start using it. And then I understand.  
  
Speaker 2 01:14:22  
Right?  
  
Speaker 1 01:14:22  
But in the short term, and companies should use a market schedule. Okay, so we talked about as a proof point, right? And so the bodies are just after standardization, there's these two is ISO and IEC. So usually they come together. If you see really phase standards, it would be IC. So I see, right? So they basically standardize everything, like everything you could possibly imagine our business standards for, right? Whether it's decided to screw or nail everything, display involved, anything as a standard, right? They join technical committee, JPC1 without the security standards. Usually, even though they're international organization, every single country would have a centralization body. And that will generally get a number.  
  
Speaker 2 01:15:24  
Of ISOs it.  
  
Speaker 1 01:15:25  
They will participate.  
  
Speaker 2 01:15:27  
In standardization finish.  
  
Speaker 1 01:15:29  
So here is the standardization.  
  
Speaker 2 01:15:32  
Administration.  
  
Speaker 1 01:15:35  
They will be the member of ISO IC and they will try to represent how many technical solutions. The last one is IEU. So IEU is famous for basically maintaining mobile code standards. So over the time, they sort of defend the establish residence after.  
  
Speaker 2 01:15:57  
QG 45, he is here.  
  
Speaker 1 01:16:01  
Right? There are failures in security because for some.  
  
Speaker 2 01:16:05  
Reason.  
  
Speaker 1 01:16:06  
They ended up with the X5 design channel, which will look at a little bit later, which is actually I create digital certificates for public e, the structure, how they give. So this is like the one security thing.  
  
Speaker 2 01:16:20  
That's so many. And.  
  
Speaker 1 01:16:23  
In terms of North American standards, so these are Mercy United cells, right? But over the years, I have become incredibly important. So even though they headquartered there, they.  
  
Speaker 2 01:16:38  
Still contribute.  
  
Speaker 1 01:16:39  
Global.  
  
Speaker 2 01:16:40  
Standard.  
  
Speaker 1 01:16:41  
Right? So the first one is hyper belief.  
  
Speaker 2 01:16:44  
So.  
  
Speaker 1 01:16:44  
The Institute of Related Further Engineers. So they maintain a lot of very popular and large standards.  
  
Speaker 1 01:16:59  
Anyone ever either a few point.  
  
Speaker 2 01:17:03  
11, whereas.  
  
Speaker 1 01:17:06  
Wi Fi.  
  
Speaker 2 01:17:06  
Right? Basically they have the status for Wi fi using Wi Fi at 9, using their standard. Okay, doesn't mean.  
  
Speaker 1 01:17:14  
They made it. Remember, they just took half the process of making. So the people actually made it something all over the world, but they're the ones maintaining the standard, publishing the document. Similarly for this, that's this is actually cheap for statistic technology, their payroll US standardization body. Historically, they somehow behave the institution that looks after.  
  
Speaker 2 01:17:41  
Person.  
  
Speaker 1 01:17:42  
Right? So if we look at the Advanced Encryption Standard, new hash algorithm, digital signature.  
  
Speaker 2 01:17:47  
Scheme.  
  
Speaker 1 01:17:50  
Once again, that doesn't mean this makes it this early. Looks after the process, right? And we'll look at a couple of how these things happen. So we'll look at how the data instruction send this and then concentration send an adhn bar in the semantic encryption. And you'll see it's a very open process. So even Covid encryption is very open process. So this basically has to go around 80 people by.  
  
Speaker 2 01:18:23  
Algorithm.  
  
Speaker 1 01:18:24  
But once you go to IAS, which is in the 90s, any of the century, they were basically many proposals.  
  
Speaker 2 01:18:32  
Submitted by.  
  
Speaker 1 01:18:32  
All over the world and they went through like a multi year efficient to basically decide which to make.  
  
Speaker 2 01:18:38  
Our solution.  
  
Speaker 1 01:18:40  
And then for the NC, so NCS specific is also US member. The way for mí debo alguien de San Juan provinciales grabaron distanders is in my mindfulness, por favor. Rap. Idón entonces cuando es Internet.  
  
Speaker 2 01:19:07  
Explorer seguridad de.  
  
Speaker 1 01:19:25  
Próxima vez, vale? Nahuatl Nahualt Náhuatl Side hours in my Heart, o what are you what Tech only beetty.  
  
Speaker 2 01:19:33  
Be you?  
  
Speaker 1 01:19:34  
Hay 10 pero falling Paintball RC Homeens hover find is sur best of coment to be simplemente the World Be Fund ready of prevery only with you simplemente seguramente que de fin de bilis por éibar de Fintes Millions por Facebook RC. A. C E t. Especification de los de One Piece, entonces. Lo van seguiendo. There's something called the engineering, internet engineering task force. So come along and say, well, maybe we should find some things out and maybe there's something we need to explain later. Documents later, they will come along, they will discussion and then it will actually turn into an infinite set. That's sort of a very interesting way to understand.  
  
Speaker 2 01:20:35  
But so.  
  
Speaker 1 01:20:35  
If we think about Global Standard, there's lots of people get together in the room, like open.  
  
Speaker 2 01:20:40  
Local.  
  
Speaker 1 01:20:40  
Until they find a good solution. Internet style is almost like anyone says.  
  
Speaker 2 01:20:45  
2,018.  
  
Speaker 1 01:20:48  
And then sort of for my side, if your product really gets implemented by lots of people, grocery is popular, then my incubation.  
  
Speaker 2 01:20:58  
People believe that it's okay.  
  
Speaker 1 01:21:03  
So there are.  
  
Speaker 2 01:21:03  
Some problems with.  
  
Speaker 1 01:21:04  
Us in the fact that these things can be very slow. So you have to.  
  
Speaker 2 01:21:09  
Think.  
  
Speaker 1 01:21:10  
Today, we have a lot of workarounds because originally, a lot of what we notice in it, and it's algorithms, we never design at a.  
  
Speaker 2 01:21:18  
Time we improve.  
  
Speaker 1 01:21:21  
Regina de Never y el norte, de seguida a Willy Projecol Internet everyties norte and Security, Northern Security, the newed of the time for thiseding equipos.  
  
Speaker 2 01:21:30  
De distinto para.  
  
Speaker 1 01:21:31  
No me dejaste no aquí solo hay otra de salping. Se trata de 650 ron. Easyway. Everything needs to grow, right?  
  
Speaker 2 01:21:45  
And so.  
  
Speaker 1 01:21:47  
Some major things are great, some major things can get act. And then if I say they have to.  
  
Speaker 2 01:21:51  
Wait for supply, find the.  
  
Speaker 1 01:21:53  
Solution and any solution, then we see which solution is the first. And then once that happens, then maybe we have a new set. So because there's no one that really tries it. I'm trying to make sure that a little bit, but they never really drive something.  
  
Speaker 2 01:22:08  
Really fast.  
  
Speaker 1 01:22:09  
Resolving the journey inside is a very.  
  
Speaker 2 01:22:11  
Slow and takes some time. Okay, last one.  
  
Speaker 1 01:22:17  
Company standard. So company standard also doesn't come.  
  
Speaker 2 01:22:22  
Along.  
  
Speaker 1 01:22:23  
Through standardization process, right? Usually it's a set of guidelines or specifications created by a company that they becomes very popular once again, lots of people start implementing it. It gets really widely used and people start seeing it as a standard.  
  
Speaker 2 01:22:45  
So become something we can refer.  
  
Speaker 1 01:22:47  
To as a factor salad. So it's not an official styling, but once again is very important. And there can be a variety of reasons why people might.  
  
Speaker 2 01:22:57  
Want.  
  
Speaker 1 01:22:59  
Y sales con privado.  
  
Speaker 2 01:23:00  
Y.  
  
Speaker 1 01:23:02  
Sales, Eduardo camping a las últimas. Te da igual? Ese es el listado da igual de este sent be use and little backend best vision este best, pero es que cambio el dedo de friki. Because you better just say, oh, very large company, estimated.  
  
Speaker 2 01:23:22  
Design.  
  
Speaker 1 01:23:23  
Their design should be a standard. If that design has not been checked by.  
  
Speaker 2 01:23:26  
Any.  
  
Speaker 1 01:23:27  
Some parts of that design might not be.  
  
Speaker 2 01:23:29  
Coming. So it cannot be checked by.  
  
Speaker 1 01:23:32  
And it might not be the best solution, but this solution that they like to raise money for the company concept. And this is different from real standards where we have, there are thousands of people with ideas. Watch this situation. And let's say some industry standards are actually technically.  
  
Speaker 2 01:23:53  
Very.  
  
Speaker 1 01:23:54  
Right, even though some of it might have been done with the attention.  
  
Speaker 2 01:23:57  
To my mind.  
  
Speaker 1 01:23:58  
So the first.  
  
Speaker 2 01:23:59  
Example is.  
  
Speaker 1 01:24:00  
Ekcs. So ekcs is a public eco problem.  
  
Speaker 2 01:24:03  
Already said.  
  
Speaker 1 01:24:04  
And this was published by a company called RSA.  
  
Speaker 2 01:24:07  
Labs.  
  
Speaker 1 01:24:08  
So RSA labs was formed generally around the inventors of RSA. RSA was invented in 9,76.  
  
Speaker 2 01:24:17  
And 77 are correctly.  
  
Speaker 1 01:24:19  
And I wanted this technology to be used right. But back in the 70s and 80s, cryptographic, if you mention tropography to anyone, this would basically be like spicy.  
  
Speaker 2 01:24:36  
Like military thing.  
  
Speaker 1 01:24:37  
Right? So normal people didn't really want to hear about it.  
  
Speaker 2 01:24:42  
And.  
  
Speaker 1 01:24:43  
Governments did not really want to share it with anyone that had.  
  
Speaker 2 01:24:50  
Account.  
  
Speaker 1 01:24:50  
So you don't.  
  
Speaker 2 01:24:51  
Understand, right? Sorry, I don't say this is not good.  
  
Speaker 1 01:24:56  
We have prime system, but that one must use it because now I knows our words and that one is really implemented. Okay, so we are gonna come up with a.  
  
Speaker 2 01:25:07  
Standard.  
  
Speaker 1 01:25:08  
That's gonna explain to people who are public.  
  
Speaker 2 01:25:10  
Secret Turkey.  
  
Speaker 1 01:25:12  
I'll mention this later, but I missed it now. But I'll also mention it now. The funny thing about publicly cryptos, it doesn't worth by Monday.  
  
Speaker 2 01:25:20  
So.  
  
Speaker 1 01:25:21  
Originally cryptography works that everybody understands it because it says I have a secret. I can use that secret preface data and you can only read the data you have secret. So most people understand that. But if you come along and say, I have a secret, but I'm gonna put one, I'm gonna publish my.  
  
Speaker 2 01:25:41  
Secret.  
  
Speaker 1 01:25:42  
And then people can still agree my data and people like, I don't understand another reason is not fun, right? And that's a public. But if you don't know what I'm saying, not feel.  
  
Speaker 2 01:25:52  
The problem.  
  
Speaker 1 01:25:54  
So I said, okay, popular because actually probably has a model. Very nice. Okay, right. The next one is a standard for efficient photography group. So this is also a very large group with various large companies in it. And who says dental diversion bodies, and I think this is something who was similar, right? So for a long time, people work in another theory. People.  
  
Speaker 1 01:26:40  
El martes que le tenía Technology masterkin quizás poner el Market White donde no eres.  
  
Speaker 2 01:26:47  
Visual Stand IT I need things.  
  
Speaker 1 01:26:50  
The refworks de meeting de the fallingty the recoming the Life is espero que wejen and hover Group and forty writing specification caminando descender. Those interval marketing. So this is a very good solution. Based on this, we just said everyone standard is not very good. But in this case, they efficient trying to use different people from it from a system in a very well to a different okay, but technically very good and the people involved.  
  
Speaker 2 01:27:18  
Standard for the.  
  
Speaker 1 01:27:20  
Company probably have this solution.  
  
Speaker 2 01:27:23  
Okay.  
  
Speaker 1 01:27:24  
And the last one is CCI, which is the payment I industry, especially the data security standard. So anyone that wants to take credit card payment from any large credit card company, Mastercard entertains and it's basically there. The ego website in your system, your system has to apply right here.  
  
Speaker 2 01:27:46  
PCI, CAS.  
  
Speaker 1 01:27:48  
Right? Otherwise, they would not.  
  
Speaker 2 01:27:49  
Argue to attach this certain.  
  
Speaker 1 01:27:51  
Process, right? So once again, not necessarily the ad standard. Firstly, realize the 3 industry will take in purpose.  
  
Speaker 1 01:28:08  
Right you ready neigh Spain who we Company de Ball.  
  
Speaker 2 01:28:16  
Your.  
  
Speaker 1 01:28:18  
Esmalls el tipo de Walther blues better sobre el better del whanckup venices all Better Austin Quest of the out.  
  
Speaker 2 01:28:27  
Best.  
  
Speaker 1 01:28:28  
Best are's groups de la ready light bruts of.  
  
Speaker 2 01:28:32  
Expert.  
  
Speaker 1 01:28:33  
Group campaniz Weather camping gether native test of expert. Event aventara la puta cande es sobre el.  
  
Speaker 2 01:28:40  
Kevin en.  
  
Speaker 1 01:28:41  
Alberto. ¿En ello se va a tener o queremos? Really trying to do, right? Is it something that is very clear products that they kind of sell? Or is it something that they try to help other people? And unfortunately, there isn't believes that formula for being this is green industry standard or this.  
  
Speaker 2 01:29:00  
Is bad industry. Pretty much people have.  
  
Speaker 1 01:29:02  
To use data now. You need to probably say if there's a system for which industry standard and a standard, and it's just that the foundation of that, the foundation of one. Because in all of these cases, especially the companies will make cash is a combination of sacrifice. I found out that here, okay. En realidad, al parecer. Next week, next week a Mauri errand en igual. Version. Al momento de Hitler, question liter y termina. Qué hay? Sound Edition on that conders en el capital. The tutorials as well as addition bug okay.  
  
Speaker 2 01:30:06  
So that is im done to you again next week at the same time thank you.