

RE: Cryptography

Sunday, January 24, 2016 4:31 PM

Subject	RE: Cryptography
From	Vargo, Rene
To	Tim Preuss
Sent	Friday, January 22, 2016 7:37 AM

Tim,

I welcome your response. I heard about Randy, that is really too bad, I know he will be missed and hope he has a speedy recovery.

On that note, you may hear from Dave, but a friend of mine found Chris working as a web master for an online company.

I can imagine the headaches created by the loss of two instructors. Obviously keeping things running and students educated is your priority.

I certainly appreciate your efforts thus far.

It looks like there will be some better presenters at the security conference this year. Last year was good, but not as informative as I had hoped. It's a good event to get people thinking about the implications of more and more networked devices.

The Internet of Things is something that should be on everyone's mind. Unfortunately it is a rather difficult task to keep people motivated and conscious about security.

It's going to be another busy year with the passing of the bond referendum, but it also means more toys.

Good luck with everything at Mstate.

Thanks again,

Rene C. Vargo
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From: Tim Preuss [<mailto:Tim.Preuss@minnesota.edu>]

Sent: Thursday, January 21, 2016 1:20 PM

To: Vargo, Rene

Subject: RE: Cryptography

Rene,

You have probably guessed, but I need to write the note. I don't see myself getting time to look at you PKI issues anytime soon. Randy's sudden illness has created quite an issue for us.

I do appreciate the note about the NDSU security conference.

I trust things are going well for you.

Tim

From: Vargo, Rene [<mailto:RVARGO@west-fargo.k12.nd.us>]
Sent: Wednesday, October 07, 2015 10:41 AM
To: Tim Preuss <Tim.Preuss@minnesota.edu>
Subject: RE: Cryptography

That is no problem Tim,

It has been a six month work in progress any way, what is a few more weeks.

Again, I appreciate all of your efforts.

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From: Tim Preuss [<mailto:Tim.Preuss@minnesota.edu>]
Sent: Wednesday, October 07, 2015 10:38 AM
To: Vargo, Rene
Subject: Re: Cryptography

Rene,

It is good to hear from you. I agree with you about Chris Goltz.

Your question will take me a bit of time to research. I don't have any idea off the top of my head, but let me look around. This week a set of labs are due, so I won't get to this until late next week. It is an interesting problem.

Tim

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>>> "Vargo, Rene" 10/06/15 2:42 PM >>>

Hi Tim,

I hope you are well. I was sorry to hear Goltz left Mstate.

To the point!

I have been working more with cryptography here at WFPS, and have been slowly trying to implement a PKI for session encryption and identity validation.

Since it is not smart to individually create and assign certs and keys to all users/machines, it seemed like a good idea to set up AD CS in an effort to automate the process with templates.

I have however run into problems getting windows to import our existing Intermediate CA (Root is offline). It seems that MS does not recognize the algorithm used, even though 2012R2 claims to support RSA up to SHA-512 and 4096 bits.

My research has not got me very far, and you were the only person I could think of with any experience along these lines. I am sort of the driving force for any modern technical security practices, so unfortunately internal resources are limited.

If you have any recommendations, or resources you could direct me to I would very much appreciate it.

Thanks again,

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