


**From:** Manos Antonakakis <manos@gatech.edu>   
**Subject:** Re: DARPA BAA-16-34 meet ng  
**Date:** May 6, 2016 at 9:59 AM  
**To:** Roberts, Kr sten N <kr.sten.roberts@ece.gatech.edu>

---

Attached the latest budget.

Manos

On Fri, May 6, 2016 at 8:53 AM, Roberts, Kr sten N  
<kr.sten.roberts@ece.gatech.edu> wrote:

Sure.

From: [REDACTED] <[REDACTED]> on behalf of Manos Antonakakis <manos@gatech.edu>  
Sent: Friday, May 6, 2016 8:51:43 AM  
To: Roberts, Kr sten N  
Subject: Re: DARPA BAA-16-34 meet ng

Hey Kr sten,


I am working from home today. Can you call me on my cell and talk  
about the budget at 10?

Thanks,

Manos



DARPA\_5\_year\_  
Budget...016.xls

**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: One more data request  
**Date:** July 31, 2016 at 7:34 PM  
**To:** Rodney Joffe <rjoffe@centergate.com>  
**Bcc:** [REDACTED]

---



On July 31, 2016, at 7:30 PM, Rodney Joffe <rjoffe@centergate.com> wrote:

Of course :-)


You're the customer.

Many thanks, S r.

Technically, I am not your customer just yet, because you do not have a 7 figure check with GT name on it. However, in my defense, I am working hard to make that happen. ;)

--

Manos Antonakakis <manos@gatech.edu>  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Rodney Joffe rjoffe@centergate.com   
**Subject:** Re: One more data request  
**Date:** July 31, 2016 at 7:35 PM  
**To:** Manos Antonakakis [REDACTED]

---

As far as I am concerned, you're there already ;-)

On Jul 31, 2016, at 7:34 PM, Manos Antonakakis [REDACTED] wrote:

On Jul 31, 2016, at 7:30 PM, Rodney Joffe <rjoffe@centergate.com> wrote:

Of course :-)

You're the customer.

Many thanks, Sir.

Technically, I am not your customer just yet, because you do not have a 7 figure check with GT name on it. However, in my defense, I am working hard to make that happen. ;)

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** DeJong, Steve Steve.DeJong@neustar.biz

**Subject:** Re: One more data request

**Date:** July 31, 2016 at 10:30 PM

**To:** Rodney Joffe rjoffe@centergate.com, Manos Antonakakis [REDACTED]

---


Got the request. Anyone know a decent iOS PGP mail app? :-)

Will run the prefixes overnight.

Steve De Jong: Neustar, Inc.  
[REDACTED]

On 7/31/16, 4:30 PM, "Rodney Joffe" <rjoffe@centergate.com> wrote:



**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: One more data request  
**Date:** July 31, 2016 at 10:32 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Cc:** Rodney Joffe rjoffe@centergate.com  
**Bcc:** [REDACTED]

---

On Jul 31, 2016, at 10:30 PM, DeJong, Steve <Steve.DeJong@neustar.biz> wrote:

Got the request. Anyone know a decent iOS PGP mail app? :-)


I use SecuMail.

Will run the prefixes overnight.

Many thanks, Steve!

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: One more data request  
**Date:** August 1, 2016 at 3:52 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Cc:** Rodney Joffe rjoffe@centergate.com  
**Bcc:** [REDACTED]

---




On Aug 1, 2016, at 3:47 PM, DeJong, Steve <Steve.DeJong@neustar.biz> wrote:

I managed to get one file uploaded - Feb 1 - 9. still working on the others.

Cheers!

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** DeJong, Steve Steve.DeJong@neustar.biz   
**Subject:** Re: One more data request  
**Date:** August 1, 2016 at 4:02 PM  
**To:** Manos Antonakakis [REDACTED]  
**Cc:** Rodney Joffe rjoffe@centergate.com

---

ok, they appear to all be there. the sftp service has been a bit un-responsive today. I put up 3 files.

Steve De Jong: Neustar, Inc.  
[REDACTED]

On Aug 1, 2016, at 12:52 PM, Manos Antonakakis [REDACTED] > wrote:

On Aug 1, 2016, at 3:47 PM, DeJong, Steve <Steve.DeJong@neustar.biz> wrote:


I managed to get one file uploaded - Feb 1 - 9. still working on the others.

Cheers!

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: One more data request  
**Date:** August 1, 2016 at 4:03 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Cc:** Rodney Joffe rjoffe@centergate.com  
**Bcc:** [REDACTED]

---

On Aug 1, 2016, at 4:02 PM, DeJong, Steve <Steve.DeJong@neustar.biz> wrote:


ok, they appear to all be there. the sftp service has been a bit un-responsive today. I put up 3 files.

Pulling them down now. Thank you Sir.

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: the original data pull for 2015  
**Date:** August 2, 2016 at 9:46 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Bcc:** [REDACTED]


---



Mail Attachment



encrypted.asc

**From:** DeJong, Steve Steve.DeJong@neustar.biz   
**Subject:** Re: the original data pull for 2015  
**Date:** August 2, 2016 at 9:49 PM  
**To:** Manos Antonakakis [REDACTED]

---

yes, I am running the remainder of 2015 now and will add the start of 2016 when that completes.

Steve De Jong: Neustar, Inc.  
[REDACTED]


On Aug 2, 2016, at 6:45 PM, Manos Antonakakis <[REDACTED]> wrote:

Steve, I pulled down from 01/2015 until 05-2015. I am missing the rest of 2015 and the January of 2016.

Thank you Sir!

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** DeJong, Steve Steve.DeJong@neustar.biz   
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Thank you Sir!

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FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: the original data pull for 2015  
**Date:** August 3, 2016 at 2:48 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Bcc:** [REDACTED]




---

Steve, will we have the rest in the next few hours or no?

Thanks,

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** DeJong, Steve Steve.DeJong@neustar.biz   
**Subject:** Re: the original data pull for 2015  
**Date:** August 3, 2016 at 2:51 PM  
**To:** Manos Antonakakis [REDACTED]

---

hadoop is being very slow today. I have uploaded June, July of 2015 but August is still running.

I doubt it will get all through 2015 before the end of day. Is there a month or two that is more important than others?

Steve

Steve De Jong: Neustar, Inc.  
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On Aug 3, 2016, at 11:48 AM, Manos Antonakakis [REDACTED] > wrote:


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**Subject:** Re: the original data pull for 2015  
**Date:** August 3, 2016 at 2:52 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Bcc:** [REDACTED]

---

The last two of the 2015 Steve. Thanks,

--

Manos Antonakakis | manos@gatech.edu  
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**Subject:** Re: the original data pull for 2015  
**Date:** August 3, 2016 at 2:53 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Bcc:** [REDACTED]

---

And the first of 2016 — actually, the two I must have are:

12/2015  
01/2016

Thanks.

--

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**From:** DeJong, Steve Steve.DeJong@neustar.biz   
**Subject:** Re: the original data pull for 2015  
**Date:** August 3, 2016 at 2:55 PM  
**To:** Manos Antonakakis [REDACTED]

---

got it. I will pull those next.

Steve De Jong: Neustar, Inc.  
[REDACTED]

On Aug 3, 2016, at 11:53 AM, Manos Antonakakis [REDACTED] > wrote:

And the first of 2016 — actually, the two I must have are:

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01/2016

Thanks.

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**From:** DeJong, Steve Steve.DeJong@neustar.biz   
**Subject:** Re: the original data pull for 2015  
**Date:** August 3, 2016 at 9:32 PM  
**To:** Manos Antonakakis [REDACTED]



I am still waiting for things to finish but I just uploaded a file - 2015.tgz which has the first half of August (before I stopped the job) and the first half of december.

Steve

Steve De Jong: Neustar, Inc.  
[REDACTED]

On Aug 3, 2016, at 11:53 AM, Manos Antonakakis <[REDACTED]> wrote:

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Thanks,

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**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: the original data pull for 2015  
**Date:** August 3, 2016 at 9:37 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Bcc:** [REDACTED]

---



On Aug 3, 2016, at 9:32 PM, DeJong, Steve <Steve.DeJong@neustar.biz> wrote:

I am still waiting for things to finish but I just uploaded a file - 2015.tgz which has the first half of August (before I stopped the job) and the first half of december.


Thanks Steve. I wrote text to massage the fact I do not have these data points ... I am not expecting these files tonight. If you can give them to me By Friday morning, when the final version is required, that will be great.

Tonight, I will send them what I have.

Many thanks!

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: the original data pull for 2015  
**Date:** August 4, 2016 at 1:33 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Bcc:** [REDACTED]

---




Hey Steve,

We will have the data by Friday?

Thanks,

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** DeJong, Steve Steve.DeJong@neustar.biz   
**Subject:** Re: the original data pull for 2015  
**Date:** August 4, 2016 at 1:42 PM  
**To:** Manos Antonakakis [REDACTED]

---

I have december 2015 ready to go. january is about half-way through - should be complete in a couple of hours.

I will continue running the remaining days as long as I can.

Steve

Steve De Jong: Neustar, Inc.  
[REDACTED]

On Aug 4, 2016, at 10:33 AM, Manos Antonakakis <[REDACTED]> wrote:


Hey Steve,

We will have the data by Friday?

Thanks,

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: the original data pull for 2015  
**Date:** August 4, 2016 at 1:43 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Bcc:** [REDACTED]


---



Thanks Steve!

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** DeJong, Steve Steve.DeJong@neustar.biz   
**Subject:** Re: the original data pull for 2015  
**Date:** August 5, 2016 at 9:17 AM  
**To:** Manos Antonakakis [REDACTED]

---

december and january are uploaded. November is working still at the 21st (got a way to go).

Probably won't get the whole year complete by end of day but I will get what I can.

Steve

Steve De Jong: Neustar, Inc.  
[REDACTED]

On Aug 4, 2016, at 10:33 AM, Manos Antonakakis [REDACTED] > wrote:


Hey Steve,

We will have the data by Friday?

Thanks,

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
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**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: the original data pull for 2015  
**Date:** August 5, 2016 at 9:19 AM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Bcc:** [REDACTED]


---



Mail Attachment



encrypted.asc

**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: the original data pull for 2015  
**Date:** August 5, 2016 at 3:13 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Bcc:** [REDACTED]




---

Steve, Got extension until Sunday. You think we will have the data by then?

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



**From:** DeJong, Steve Steve.DeJong@neustar.biz   
**Subject:** Re: the original data pull for 2015  
**Date:** August 5, 2016 at 3:25 PM  
**To:** Manos Antonakakis [REDACTED]

---

August and November are nearly done. that leaves sept and oct. Should be able to get it done overnight. But today - for the first time - the data warehouse guys came and asked if I needed all of those resources. So apparently I'm using a bit more hadoop time than they would like.

I will check with them to make sure I can still use it over the weekend.

Steve


Steve De Jong: Neustar, Inc.  
[REDACTED]

On Aug 5, 2016, at 12:13 PM, Manos Antonakakis <[REDACTED]> wrote:

Steve, Got extension until Sunday. You think we will have the data by then?

--

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FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: the original data pull for 2015  
**Date:** August 5, 2016 at 3:27 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Bcc:** [REDACTED]




---

You cannot imagine how many people are waiting for this graph (based on these data). Many thanks Steve!

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** DeJong, Steve Steve.DeJong@neustar.biz   
**Subject:** Re: the original data pull for 2015  
**Date:** August 5, 2016 at 5:30 PM  
**To:** Manos Antonakakis [REDACTED]

---

uploaded 2015-08.tgz and 2015-11.tgz for august and november.

09 and 10 months are running.


Steve De Jong: Neustar, Inc.  
[REDACTED]

On Aug 5, 2016, at 12:27 PM, Manos Antonakakis <[REDACTED]> wrote:

You cannot imagine how many people are waiting for this graph (based on these data). Many thanks Steve!

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FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: the original data pull for 2015  
**Date:** August 5, 2016 at 5:32 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Bcc:** [REDACTED]


---



Many thanks Steve. I will get them now.

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: the original data pull for 2015  
**Date:** August 5, 2016 at 5:43 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Bcc:** [REDACTED]

---



Steve,


Both files have data for the same month: 08/2015.

I am still missing the 11/2015. Could this be a mistake during compression?

Cheers,

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** DeJong, Steve Steve.DeJong@neustar.biz   
**Subject:** Re: the original data pull for 2015  
**Date:** August 5, 2016 at 5:44 PM  
**To:** Manos Antonakakis [REDACTED]

---

hmmmm. checking. stand by

Steve De Jong: Neustar, Inc.  
[REDACTED]

On Aug 5, 2016, at 2:43 PM, Manos Antonakakis <[REDACTED]> wrote:

Steve,


Both files have data for the same month: 08/2015.

I am still missing the 11/2015. Could this be a mistake during compression?

Cheers,

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**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: the original data pull for 2015  
**Date:** August 5, 2016 at 5:59 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Bcc:** [REDACTED]

---




Nice! Sorry for the confusion!

Manos

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** DeJong, Steve Steve.DeJong@neustar.biz   
**Subject:** Re: the original data pull for 2015  
**Date:** August 5, 2016 at 6:01 PM  
**To:** Manos Antonakakis [REDACTED]

---

No worries - that was due to the data warehouse moving things around. I should have stripped the path in my script.

Steve De Jong: Neustar, Inc.  
[REDACTED]

On Aug 5, 2016, at 2:59 PM, Manos Antonakakis <[REDACTED]> wrote:


Nice! Sorry for the confusion!

Manos

--

Manos Antonakakis | manos@gatech.edu  
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**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: the original data pull for 2015  
**Date:** August 5, 2016 at 6:02 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Bcc:** [REDACTED]




---

You are the best Steve, thanks for all your help!

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** DeJong, Steve Steve.DeJong@neustar.biz   
**Subject:** Re: the original data pull for 2015  
**Date:** August 6, 2016 at 2:14 PM  
**To:** Manos Antonakakis [REDACTED]

---

just checked on the jobs. 7 days left - at this pace, a little over 2 hours.

Steve De Jong: Neustar, Inc.  
[REDACTED]

On Aug 4, 2016, at 10:33 AM, Manos Antonakakis <[REDACTED]> wrote:


Hey Steve,

We will have the data by Friday?

Thanks,

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**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: the original data pull for 2015  
**Date:** August 6, 2016 at 2:16 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Bcc:** [REDACTED]

---



:-)

--  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
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**From:** DeJong, Steve Steve.DeJong@neustar.biz   
**Subject:** Re: the original data pull for 2015  
**Date:** August 6, 2016 at 5:34 PM  
**To:** Manos Antonakakis [REDACTED]

---

And finally...

09 and 10 are available.

Enjoy


Steve De Jong: Neustar, Inc.  
[REDACTED]

On Aug 6, 2016, at 11:16 AM, Manos Antonakakis [REDACTED] > wrote:

:~)

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: the original data pull for 2015  
**Date:** August 6, 2016 at 10:10 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Bcc:** [REDACTED]


---



Cheers Steve!

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: draft  
**Date:** August 19, 2016 at 5:55 PM  
**To:** David Dagon [REDACTED]  
**Bcc:** [REDACTED]

---



Let me see what I can do.

What is my turnaround window?

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



**From:** Manos Antonakakis [REDACTED]  
**Subject:** Re: mta  
**Date:** August 20, 2016 at 12:02 PM  
**To:** April Lorenzen april@zetalytics.com  
**Cc:** Rodney Joffe Rjoffe@centergate.com  
**Bcc:** [REDACTED]


---

The conclusion here is that there is no conclusion.

April, please send me your key.

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** April Lorenzen april@zetalytics.com   
**Subject:** Re: mta  
**Date:** August 20, 2016 at 12:05 PM  
**To:** Manos Antonakakis [REDACTED]

---

On 8/20/16 12:02 PM, Manos Antonakakis wrote:

[The conclusion here is that there is no conclusion.](#)

[April, please send me your key.](#)

--

Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu)  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



0xB9E54A54.as

c




**From:** Rodney Joffe rjoffe@centergate.com  
**Subject:** Re: fist analysis  
**Date:** August 20, 2016 at 4:33 PM  
**To:** Manos Antonakakis [REDACTED]  
**Cc:** David Dagon [REDACTED], April Lorenzen april@zetalytics.com

---

Fuck. <sigh>

On Aug 20, 2016, at 3:38 PM, Manos Antonakakis [REDACTED] wrote:

<mime-attachment>  
<encrypted.asc>

**From:** April Lorenzen april@zetalytics.com 


**Subject:** gh

**Date:** August 21, 2016 at 11:26 PM

**To:** Manos Antonakakis [REDACTED], David Dagon [REDACTED]

---

If you have or will make a (free) github account I can add you both as collaborators to a private repository for keeping the list of domains in sync.

**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: Proposal  
**Date:** June 8, 2016 at 11:00 PM  
**To:** David Dagon [REDACTED]  
**Bcc:** [REDACTED]

---




It appears that it is still active, right now!

--

Manos Antonakakis  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



**From:** Rodney Joffe rjoffe@centergate.com 

**Subject:** To be added....

**Date:** August 25, 2016 at 7:39 PM

**To:** Manos Antonakakis [REDACTED], David Dagon [REDACTED], April D Lorenzen april@zetalytics.com

---

They think he may have some baggage... ;-)

[https://www.washingtonpost.com/opinions/donald-trumps-new-loose-cannon/2016/08/24/60906dbe-6a1d-11e6-ba32-5a4bf5aad4fa\\_story.html?utm\\_term=.dd4d464bfc84](https://www.washingtonpost.com/opinions/donald-trumps-new-loose-cannon/2016/08/24/60906dbe-6a1d-11e6-ba32-5a4bf5aad4fa_story.html?utm_term=.dd4d464bfc84)

**From:** Rodney Joffe rjoffe@centergate.com

**Subject:** Intelligence community investigating covert Russian influence operations in the United States from The Washington Post


**Date:** September 5, 2016 at 7:18 AM

**To:** Manos Antonakakis [REDACTED], David Dagon [REDACTED], April D Lorenzen april@zetalytics.com

---

[http://wapo.st/2c0UA2H?tid=ss\\_mail](http://wapo.st/2c0UA2H?tid=ss_mail)



**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: Need some help  
**Date:** August 20, 2016 at 12:25 AM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Cc:** Rodney Joffe rjoffe@centergate.com  
**Bcc:** [REDACTED]

---

On Aug 20, 2016, at 12:24 AM, DeJong, Steve <Steve.DeJong@neustar.biz> wrote:


Rodney already gave a heads up. I will get started.

Much obliged Sir!

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: Need some help  
**Date:** August 23, 2016 at 4:04 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Cc:** Rodney Joffe rjoffe@centergate.com

---

This is great Steve. Long day for me today, so I should be pulling these things down close to midnight. If you can push anything more by then, that would be super.

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



**From:** Manos Antonakakis [REDACTED]  
**Subject:** Re: Need some help  
**Date:** August 25, 2016 at 11:05 AM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Cc:** Rodney Joffe rjoffe@centergate.com  
**Bcc:** [REDACTED]

---

Many thanks!

---

Typos due to mobile device ...



**From:** Rodney Joffe rjoffe@centergate.com

**Subject:** Re: Need some help

**Date:** August 28, 2016 at 4:39 PM

**To:** Manos Antonakakis [REDACTED]

**Cc:** DeJong, Steve Steve.DeJong@neustar.biz

---


Of course, approved.

On Aug 28, 2016, at 3:43 PM, Manos Antonakakis [REDACTED] wrote:

<mime-attachment>

<msg.asc>



**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: Need some help  
**Date:** September 8, 2016 at 8:47 PM  
**To:** Rodney Joffe rjoffe@centergate.com  
**Cc:** DeJong, Steve Steve.DeJong@neustar.biz

---

On Sun, Aug 28, 2016 at 04:39:04PM -0400, Rodney Joffe wrote:

| [Of course, approved.](#)


Hey Steve, is it safe to assume that you have this job running, right?

Thanks,

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



**From:** DeJong, Steve Steve.DeJong@neustar.biz   
**Subject:** Re: Need some help  
**Date:** September 8, 2016 at 9:13 PM  
**To:** Manos Antonakakis [REDACTED]  
**Cc:** Rodney Joffe rjoffe@centergate.com

---

I do but I had to parse down the file a bit to get it to manageable sizes.

Steve De Jong: Neustar, Inc.  
[REDACTED]

On Sep 8, 2016, at 5:47 PM, Manos Antonakakis <[REDACTED]> wrote:

On Sun, Aug 28, 2016 at 04:39:04PM -0400, Rodney Joffe wrote:


| Of course, approved.

Hey Steve, is it safe to assume that you have this job running, right?

Thanks,

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: Need some help  
**Date:** September 8, 2016 at 9:19 PM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Cc:** Rodney Joffe rjoffe@centergate.com

---

On Fri, Sep 09, 2016 at 01:13:22AM +0000, DeJong, Steve wrote:  
[I do but I had to parse down the file a bit to get it to manageable sizes.](#)

Cool, no problem Steve.

Thanks for your help!

--  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



**From:** Manos Antonakakis [REDACTED]  
**Subject:** Re: Need some help  
**Date:** September 9, 2016 at 12:03 AM  
**To:** DeJong, Steve Steve.DeJong@neustar.biz  
**Bcc:** [REDACTED]

---

A few months would be great.

---

Typos due to mobile device ...

**From:** Manos Antonakakis [REDACTED]  
**Subject:** Re: data credentials  
**Date:** September 29, 2016 at 10:38 AM  
**To:** Robinson, Mark Mark.Robinson@neustar.biz

---



Ack --- checking.

Manos



**From:** Robinson, Mark Mark.Robinson@neustar.biz  
**Subject:** Re: data credentials  
**Date:** September 29, 2016 at 10:05 PM  
**To:** [REDACTED]

---

Still waiting on contacts to respond regarding Internet 2. I will try some other methods to get this to closure ASAP.

Mark Robinson  
Neustar, Inc. / Technology Group:: Security Services Engineering  
45980 Center Oak Plaza, Sterling, VA 20166  
Office: +1.571 434-4675 / Mobile: [REDACTED] / Mark Robinson  
<mailto:mark.robinson@neustar.biz> / www.neustar.biz  
<http://www.neustar.biz/>

---

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On 9/29/16, 10:38 AM, "Manos Antonakakis" [REDACTED] > wrote:

Ack --- checking.

Manos



**From:** Manos Antonakakis [REDACTED]  
**Subject:** Re: data credentials  
**Date:** September 29, 2016 at 10:06 PM  
**To:** Robinson, Mark Mark.Robinson@neustar.biz

---

Thanks Mark!  
Manos

On Thu, Sep 29, 2016 at 10:05 PM, Robinson, Mark  
<Mark.Robinson@neustar.biz> wrote:

Still waiting on contacts to respond regarding Internet 2. I will try some other methods to get this to closure ASAP.

Mark Robinson  
Neustar, Inc. / Technology Group:: Security Services Engineering  
45980 Center Oak Plaza, Sterling, VA 20166  
Office: +1.571 434-4675 / Mobile: +1.703 994-5823 / Mark Robinson  
<mailto:mark.robinson@neustar.biz> / [www.neustar.biz](http://www.neustar.biz)  
<<http://www.neustar.biz>>

---


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On 9/29/16, 10:38 AM, "Manos Antonakakis" [REDACTED] wrote:

Ack --- checking.

Manos



**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: Y  
**Date:** October 15, 2016 at 8:15 AM  
**To:** [REDACTED]

---

Yes. Give me some time. Need to go and change my windshield, it broke on the way home yesterday.

--  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** [REDACTED]  
**Subject:** Russian diplomat: there were contacts with Trump's campaign  
**Date:** November 12, 2016 at 12:28 PM  
**To:** [REDACTED], Manos Antonakakis manos@gatech.edu, Tejas Patel [REDACTED]

---

<http://www.cnn.com/2016/11/10/russian-diplomat-there-were-contacts-with-trumps-campaign.html>



**From:** Tejas Patel [REDACTED]  
**Subject:** Re: Russian diplomat: there were contacts with Trump's campaign  
**Date:** November 12, 2016 at 12:31 PM  
**To:** Manos Antonakakis manos@gatech.edu, [REDACTED], [REDACTED]

---


Yeah I read that recently. Although I would assume they had also been in touch with the Clinton campaign. It would make sense that foreign governments would keep back channels to our candidates. I would also assume we do similar things "unofficially" via State department employees in other countries?

Get [Outlook for iOS](#)

On Sat, Nov 12, 2016 at 12:28 PM -0500, "keromytis.com" <[REDACTED]> wrote:

| <http://www.cnn.com/2016/11/10/russian-diplomat-there-were-contacts-with-trumps-campaign.html>



**From:** Williams, Ashley Ashley.Williams@osp.gatech.edu   
**Subject:** FW: Signed contract  
**Date:** November 21, 2016 at 11:10 AM  
**To:** Farrell, Michael Michael.Farrell@gtri.gatech.edu  
**Cc:** Antonakakis, Emmanouil K manos@gatech.edu

---

Good morning!!

Attached is a copy of the new award for your records. Please note the contract is subject to publication restrictions identified in the DD 254. I'm actively working with AFRL to revise the DD 254 to clarify that fundamental research is excluded from the publication restrictions. Although we've signed the contract award and I have to defer project initiation until the publication restrictions are resolved by the AFRL sponsor.

Let me know if you have any questions.  
Best,

Ashley Williams, CRA  
Contracting Officer  
Georgia Institute of Technology  
Office of Sponsored Programs  
505 Tenth St., NW, Atlanta, GA 30332-0420  
P: 404-385-2085; F: 404-385-0864  
www.osp.gatech.edu

-----Original Message-----

From: [REDACTED] mailto:[REDACTED] ] On Behalf Of Manos Antonakakis  
Sent: Friday, November 18, 2016 3:26 PM  
To: Williams, Ashley <Ashley.Williams@osp.gatech.edu>; Farrell, Michael <Michael.Farrell@gtri.gatech.edu>  
Subject: Signed DARPA contract

Hey Ashley,

Please send to Michael the signed contract for their records.

Thanks,

Manos



FA875017C0016  
.pdf



**From:** dan.sibble@osp.gatech.edu  
**Subject:** ICOL - 2106DTX (RH512) - Project number assigned by accounting  
**Date:** November 30, 2016 at 4:07 PM  
**To:** dan.sibble@osp.gatech.edu, mustaq@cc.gatech.edu, doug.blough@ece.gatech.edu, [REDACTED],  
manos@gatech.edu, rbeyah@ece.gatech.edu, siri.melkote@ece.gatech.edu

---

Dear EMMANOUIL ANTONAKAKIS,  
Congratulations! Your proposal, RHAMNOUSIA: ATTRIBUTING CYBER ACTORS THROUGH TENSOR DECOMPOSITION. . ., with  
AIR FORCE/AIR FORCE RESH LAB/ROME, NY, has been awarded and assigned a Project number.

You will be notified electronically when the initiation package has been completed.

If you need additional information, please contact me at 404-894-6947 or via email at dan.sibble@osp.gatech.edu.

Sincerely,  
Dan J. Sibble  
Contracting Officer

To view any activity logged by the contracting officer for this proposal, use the ICOL system at:  
<https://gtapps.gatech.edu/icol/status?dochid=132837>

(Note: Only PI, Co-PI have access to view the information in the above link. If you are not a PI or Co-PI you need additional privileges to view. This can be obtained from OSP by emailing [icoladmin@gtri.gatech.edu](mailto:icoladmin@gtri.gatech.edu))



**From:** Manos Antonakakis manos@gatech.edu  
**Subject:** Email 1  
**Date:** December 5, 2016 at 10:50 AM  
**To:** Fabian Monroe fabian@cs.unc.edu

---

FYI-

----- Forwarded message -----

From: Manos Antonakakis <manos@gatech.edu>  
Date: Tue, Aug 2, 2016 at 3:21 PM  
Subject: Re: DARPA-16-34-EA-FP-023 --- Status Update  
To: David Dagon [REDACTED]  
Cc: Mustaque Ahamad <mustaq@cc.gatech.edu>, Doug Blough  
<doug.blough@ece.gatech.edu>, Fabian Monroe <fabian@cs.unc.edu>,  
Roberto Perdisci <perdisci@cs.uga.edu>

Folks,

While DARPA approved our request for an early start, the Air Force declined it. We will not be able to bill against the contract before the designated start date (November 1st).

While I will bring this issue again to their attention as the contract negotiation begins, please plan accordingly.

Thanks,

Manos

On Tue, Aug 2, 2016 at 11:33 AM, Manos Antonakakis <manos@gatech.edu> wrote:

Folks,

A quick update from DARPA. Just talked to them over the phone. The funds are flowing into our accounts and in the next two weeks or so the contract negotiation shall begin.

Also, they are investigating our request to have as the start date the 15th of August. If I have any news around this I will let you know.

Cheers,

Manos [REDACTED]

On Fri, Jul 29, 2016 at 10:00 AM, Manos Antonakakis <manos@gatech.edu> wrote:

Gentlemen,

This is a status update on where we are and where we are heading to.

In the last two weeks I have been in contact with a contracting person (Danielle) from USAF. They wanted a number of clarifications about our project so the contract negotiation can begin. Last night we finalized their last clarification request around our statement of work, and this morning just got of the phone with them, where they acknowledged we are good to go.

Next step here is to quickly negotiate the contract and begin the project. My number one priority at this point is for this to happen asap. I am canceling all my trips in August so I can work with them day-to-day. The program has a start date the first of November, however, I want to have us begin as early as end of August (or sooner if possible).

The two things I am making sure are:

1. We can get a written permission of a start date August 15. This will enable the academic arm of this project to start billing against the project throughout the entire Fall semester. Vis-a-vis, your

the project throughout the entire Fall semester. Via a Vis, your students will be covered by the project in Fall.

2. The subs to get paid asap, before we even start pulling data from your networks. This is a fight that I am winning at the moment with Georgia Tech. Apparently, if you bring (this level of) funds in the school, people read your email. :) As soon as I have additional news around this, I will relay them to you. In the mean time, I will be reaching out independently so we can have a standard NDA in place between GT and your organizations. Please, be ready to share with me your standard NDA.

All-in-all, things are on track (actually, slightly ahead of schedule), and we should be starting soon. If you have any questions or issues, please drop me and Dave a note. We are here to help smooth this process and have a great 4.5 years of collaboration.

Thanks,

Manos [REDACTED]

**From:** dagon [REDACTED]  
**Subject:** fyi  
**Date:** December 20, 2016 at 1:33 PM  
**To:** Manos Antonakakis [REDACTED]

---

<http://warontherocks.com/2016/11/trolling-for-trump-how-russia-is-trying-to-destroy-our-democracy/>

<http://warontherocks.com/2016/11/a-revealing-fight-with-russias-rt-at-the-state-department/>


<http://warontherocks.com/2016/12/russias-hybrid-war-as-a-byproduct-of-a-hybrid-state/>

--

David Dagon

[REDACTED]  
D970 6D9E E500 E877 B1E3 D3F8 5937 48DC 0FDC E717



**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: r2  
**Date:** January 9, 2017 at 1:17 AM  
**To:** [REDACTED]  
**Bcc:** [REDACTED]

---

Thanks!

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Manos Antonakakis [REDACTED]  
**Subject:** Re: mia proth matia  
**Date:** January 4, 2017 at 10:19 AM  
**To:** Angelos D. Keromytis [REDACTED]  
**Bcc:** [REDACTED]

---



Ok

---

Typos due to mobile device ...



**From:** Patel, Tejas (contr-i2o) tejas.patel.ctr@darpa.mil  
**Subject:** RE: Question regarding start date  
**Date:** January 9, 2017 at 12:40 PM  
**To:** Manos Antonakakis manos@gatech.edu  
**Cc:** McLaughlin, Kelly (contr-i2o) kelly.maddern.ctr@darpa.mil

---

Manos! My reading of the email is that you shouldn't start working at the beginning of the semester, no?

-Tejas

-----Original Message-----

From: [REDACTED] [mailto:[REDACTED]] On Behalf Of Manos Antonakakis  
Sent: Monday, January 9, 2017 11:54 AM  
To: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Subject: Fwd: Question regarding start date

FYI-

----- Forwarded message -----

From: Manos Antonakakis <manos@gatech.edu>  
Date: Tue, Aug 2, 2016 at 3:17 PM  
Subject: Re: Question regarding start date  
To: "GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB" <danielle.gambino@us.af.mil>  
Cc: "Keromytis, Angelos" <angelos.keromytis@darpa.mil>

Thanks Danielle and Angele. I will relay the news to the team.

Cheers,

Manos

On Tue, Aug 2, 2016 at 3:16 PM, GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB <danielle.gambino@us.af.mil> wrote:

Manos,

As usual, Angelos is correct!

Working with contracting to authorize pre-award work can take a while and typically is not allowed until closer to contract award. Although I certainly appreciate your eagerness to start working, we are at the very start of the contracting process - this is really way too early for this type of request. (The contract specialists haven't even been assigned yet.)

Please don't hesitate to reach out to me with any other questions.

Danielle

-----Original Message-----

From: Keromytis, Angelos [mailto:angelos.keromytis@darpa.mil]  
Sent: Tuesday, August 02, 2016 2:55 PM  
To: Manos Antonakakis <manos@gatech.edu>; GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB <danielle.gambino@us.af.mil>  
Subject: Re: Question regarding start date

I'm ok with that, but I seriously doubt the contracting officer will agree.

Original Message

From: Manos Antonakakis  
Sent: Tuesday, August 2, 2016 7:57 AM  
To: GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB  
Cc: Keromytis, Angelos  
Subject: Question regarding start date

Hey Danielle and Angelos,

The subs and I, would like to have the permission to begin spending against the project from August 15th. This is the date when students needs to be hired (as GRAs), so we can execute against the goals we have set in the SOW this year.

UNC, GT and UGA would require an acknowledgment from you (or DARPA) that we are allowed to do that. I guess, once we are done negotiating the contract we will have to have as an effective start date the August 15th. If we cannot do that, it appears that it will complicate things for all three schools, as we cannot immediately hire the students necessary that will execute against the set milestones.

Please let me know how you think we should resolve this issue.

Many thanks,

Manos



**From:** Manos Antonakakis [REDACTED]  
**Subject:** Re: Question regarding start date  
**Date:** January 9, 2017 at 1:07 PM  
**To:** Manos Antonakakis <manos@gatech.edu>  
**Cc:** Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
**Bcc:** [REDACTED]

Yes, you are correct Tejas. However, I cannot start working in the middle of the semester, because I cannot hire at the middle of the semester.

This was not a problem for me, as I had extra funding. This was a problem for Fabian, because he did not have any extra funds.

Makes more sense now?

---

Typos due to mobile device ...

On Jan 9, 2017, at 11:53, Manos Antonakakis <manos@gatech.edu> wrote:

FYI-

----- Forwarded message -----

From: Manos Antonakakis <manos@gatech.edu>  
Date: Tue, Aug 2, 2016 at 3:17 PM  
Subject: Re: Question regarding start date  
To: "GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB" <danielle.gambino@us.af.mil>  
Cc: "Keromytis, Angelos" <angelos.keromytis@darpa.mil>

Thanks Danielle and Angele. I will relay the news to the team.

Cheers,

Manos

On Tue, Aug 2, 2016 at 3:16 PM, GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB <danielle.gambino@us.af.mil> wrote:

Manos,

As usual, Angelos is correct!

Working with contracting to authorize pre-award work can take a while and typically is not allowed until closer to contract award. Although I certainly appreciate your eagerness to start working, we are at the very start of the contracting process - this is really way too early for this type of request. (The contract specialists haven't even been assigned yet.)

Please don't hesitate to reach out to me with any other questions.

Danielle

-----Original Message-----

From: Keromytis, Angelos [mailto:angelos.keromytis@darpa.mil]  
Sent: Tuesday, August 02, 2016 2:55 PM  
To: Manos Antonakakis <manos@gatech.edu>; GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB <danielle.gambino@us.af.mil>  
Subject: Re: Question regarding start date

I'm ok with that, but I seriously doubt the contracting officer will agree.

Original Message

From: Manos Antonakakis  
Sent: Tuesday, August 2, 2016 7:57 AM  
To: GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB  
Cc: Keromytis, Angelos  
Subject: Question regarding start date

Hey Danielle and Angelos,

The subs and I, would like to have the permission to begin spending against the project from August 15th. This is the date when students need to be hired (as GRAs) so we can execute against the goals we have set in the SOW this year.

students needs to be hired (as of now), so we can execute against the goals we have set in the GOV this year.

UNC, GT and UGA would require an acknowledgment from you (or DARPA) that we are allowed to do that. I guess, once we are done negotiating the contract we will have to have as an effective start date the August 15th. If we cannot do that, it appears that it will complicate things for all three schools, as we cannot immediately hire the students necessary that will execute against the set milestones.

Please let me know how you think we should resolve this issue.

Many thanks,

Manos



**From:** Patel, Tejas (contr-i2o) tejas.patel.ctr@darpa.mil  
**Subject:** RE: Question regarding start date  
**Date:** January 9, 2017 at 1:22 PM  
**To:** Manos Antonakakis [REDACTED], Manos Antonakakis manos@gatech.edu  
**Cc:** McLaughlin, Kelly (contr-i2o) kelly.maddern.ctr@darpa.mil

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Manos,

Yes. That is what I got out of our chat yesterday. We are exploring an option or two here but still haven't figure out a good path forward.

Hang tight.

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Sent: Monday, January 9, 2017 1:07 PM  
To: Manos Antonakakis <manos@gatech.edu>  
Cc: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Subject: Re: Question regarding start date

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Thanks Danielle and Angele. I will relay the news to the team.

Cheers,

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Please don't hesitate to reach out to me with any other questions.

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To: Manos Antonakakis <manos@gatech.edu>; GAMBINO, DANIELLE M CIV  
USAF AFMC AFRL/RIGB <danielle.gambino@us.af.mil>  
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**From:** Manos Antonakakis [redacted]  
**Subject:** Re: Question regarding start date  
**Date:** January 9, 2017 at 1:26 PM  
**To:** Patel, Tejas (contr-i2o) tejas.patel.ctr@darpa.mil  
**Cc:** McLaughlin, Kelly (contr-i2o) kelly.maddern.ctr@darpa.mil  
**Bcc:** [redacted]

Many thanks Tejas.

I know that this is painful, and I know this is very unlikely to happen. However, I would not be doing my job as a PI if I didn't try to keep all my subs happy and their mind focused on the SOW instead issues like this.

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**To:** Manos Antonakakis [REDACTED]  
**Cc:** Patel, Tejas (contr-i2o) tejas.patel.ctr@darpa.mil

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Kelly McLaughlin  
SETA support for DARPA/I2O  
XPD Analytics  
(571) 218-4450 (o)  
(571) 218-7116 (c)

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Many thanks,

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Mail Attachment



**From:** Manos Antonakakis [REDACTED]  
**Subject:** Re: Question regarding start date  
**Date:** January 9, 2017 at 3:59 PM  
**To:** McLaughlin, Kelly (contr-i2o) kelly.maddern.ctr@darpa.mil  
**Cc:** Patel, Tejas (contr-i2o) tejas.patel.ctr@darpa.mil  
**Bcc:** [REDACTED]

No Kelly,

This was work we did at Gt for that project. This is unrelated with UNC.

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XPD Analytics  
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**Subject:** RE: Question regarding start date  
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Yes, I understand Kelly. Thanks for looking into this.

I need to find a creative way and help UNC out. They have every right to be upset about this.

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Kelly McLaughlin  
SETA support for DARPA/I2O

CEM support for DAWVID  
XPD Analytics  
(571) 218-4450 (o)  
(571) 218-7116 (c)

-----Original Message-----

From: Manos Antonakakis [mailto: ]  
Sent: Monday, January 09, 2017 1:27 PM  
To: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Cc: McLaughlin, Kelly (contr-i2o) <kelly.maddern.ctr@darpa.mil>  
Subject: Re: Question regarding start date

Many thanks Tejas.

I know that this is painful, and I know this is very unlikely to happen. However, I would not be doing my job as a PI if I didn't try to keep all my subs happy and their mind focused on the SOW instead issues like this.

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Hang tight.

-Tejas

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Cc: "Keromytis, Angelos" <angelos.keromytis@darpa.mil>

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To: Manos Antonakakis <manos@gatech.edu>; GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB <danielle.gambino@us.af.mil>

Subject: Re: Question regarding start date

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From: Manos Antonakakis

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Cc: Keromytis, Angelos

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**From:** Manos Antonakakis [REDACTED]  
**Subject:** Fwd: Question regarding start date  
**Date:** January 10, 2017 at 7:40 AM  
**To:** Fabian Monroe fabian@cs.unc.edu

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**Subject:** Re: Question regarding start date  
**Date:** January 10, 2017 at 9:10 AM  
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Unfortunately, I don't think there is much DARPA can do at this point.  
Per Danielle's earlier email, AFRL will not approve any costs associated with the EA program prior to the contract award date.

I believe Tejas mentioned he would be seeing you this Thursday. He can discuss this with you in more detail then.

Thanks,  
Kelly

Kelly McLaughlin  
SETA support for DARPA/I2O  
XPD Analytics  
(571) 218-4450 (o)  
(571) 218-7116 (c)

-----Original Message-----

From: Manos Antonakakis [mailto:[redacted]]  
Sent: Monday, January 09, 2017 3:59 PM  
To: McLaughlin, Kelly (contr-i2o) <kelly.maddern.ctr@darpa.mil>  
Cc: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Subject: Re: Question regarding start date

No Kelly,

This was work we did at Gt for that project. This is unrelated with UNC.

Thanks, manos

---

Typos due to mobile device ...

On Jan 9, 2017, at 15:55, McLaughlin, Kelly (contr-i2o) <kelly.maddern.ctr@darpa.mil> wrote:

Manos,

DARPA put \$153,138 on the Georgia Tech Transparent Computing (TC) contract back in October, 2016 to cover the costs proposed in the attached SOW. The SOW asked for 0.83 month of your academic salary, salary for one Research Engineer, David Dagon, and funds for four graduate student research assistants. Were the proposed grad student costs supposed to cover UNC grad students or Georgia Tech grad students? The SOW shows them as Georgia Tech students.

Please let me know if these funds were supposed to cover UNC. If so, the TC BFM, Laurisa Goergen, will reach out to the TC admin POC for Georgia Tech to see what, if anything, can be done at this point.

Please let me know if you have any questions.

Thanks,  
Kelly

Kelly McLaughlin  
SETA support for DARPA/I2O  
XPD Analytics  
(571) 218-4450 (o)  
(571) 218-7116 (c)

-----Original Message-----

From: Manos Antonakakis [mailto: ]  
Sent: Monday, January 09, 2017 1:27 PM  
To: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Cc: McLaughlin, Kelly (contr-i2o) <kelly.maddern.ctr@darpa.mil>  
Subject: Re: Question regarding start date

Many thanks Tejas.

I know that this is painful, and I know this is very unlikely to happen. However, I would not be doing my job as a PI if I didn't try to keep all my subs happy and their mind focused on the SOW instead issues like this.

Again, many thanks for just trying to fix this.

---

Typos due to mobile device ...

On Jan 9, 2017, at 13:22, Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil> wrote:

Manos,

Yes. That is what I got out of our chat yesterday. We are exploring an option or two here but still haven't figure out a good path forward.

Hang tight.

-Tejas

-----Original Message-----

From: Manos Antonakakis [mailto: ]  
Sent: Monday, January 9, 2017 1:07 PM  
To: Manos Antonakakis <manos@gatech.edu>  
Cc: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Subject: Re: Question regarding start date

Yes, you are correct Tejas. However, I cannot start working in the middle of the semester, because I cannot hire at the middle of the semester.

This was not a problem for me, as I had extra funding. This was a problem for Fabian, because he did not had any extra funds.

Makes more sense now?

---

Typos due to mobile device ...

On Jan 9, 2017, at 11:53, Manos Antonakakis <manos@gatech.edu> wrote:

FYI-

----- Forwarded message -----

From: Manos Antonakakis <manos@gatech.edu>  
Date: Tue, Aug 2, 2016 at 3:17 PM  
Subject: Re: Question regarding start date  
To: "GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB"  
<danielle.gambino@us.af.mil>  
Cc: "Keromytis, Angelos" <angelos.keromytis@darpa.mil>

Thanks Danielle and Angele. I will relay the news to the team.

Cheers,

Manos

On Tue, Aug 2, 2016 at 3:16 PM, GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB <danielle.gambino@us.af.mil> wrote:

Manos,

As usual, Angelos is correct!

Working with contracting to authorize pre-award work can take a while and typically is not allowed until closer to contract award. Although I certainly appreciate your eagerness to start working, we are at the very start of the contracting process - this is really way too early for this type of request. (The contract specialists haven't even been assigned yet.)

Please don't hesitate to reach out to me with any other questions.

Danielle

-----Original Message-----

From: Keromytis, Angelos [mailto:angelos.keromytis@darpa.mil]  
Sent: Tuesday, August 02, 2016 2:55 PM  
To: Manos Antonakakis <manos@gatech.edu>; GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB <danielle.gambino@us.af.mil>  
Subject: Re: Question regarding start date

I'm ok with that, but I seriously doubt the contracting officer will

agree.

Original Message

From: Manos Antonakakis  
Sent: Tuesday, August 2, 2016 7:57 AM  
To: GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB  
Cc: Keromytis, Angelos  
Subject: Question regarding start date

Hey Danielle and Angelos,

The subs and I, would like to have the permission to begin spending against the project from August 15th. This is the date when students needs to be hired (as GRAs), so we can execute against the goals we have set in the SOW this year.


UNC, GT and UGA would require an acknowledgment from you (or DARPA) that

we are allowed to do that. I guess, once we are done negotiating the contract we will have to have as an effective start date the August 15th. If we cannot do that, it appears that it will complicate things for all three schools, as we cannot immediately hire the students necessary that will execute against the set milestones.

Please let me know how you think we should resolve this issue.



Many thanks,  
Manos  
<mime-attachment>


**From:** Manos Antonakakis manos@gatech.edu   
**Subject:** Re: thoughts  
**Date:** January 11, 2017 at 10:01 AM  
**To:** Angelos D. Keromytis [REDACTED]  
**Cc:** Tejas Patel [REDACTED]  
**Bcc:** [REDACTED]

---

Ack, in my queue. ETA, this coming Monday.


--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: thoughts  
**Date:** January 11, 2017 at 8:02 PM  
**To:** Angelos D. Keromytis [REDACTED]  
**Cc:** Tejas Patel [REDACTED]  
**Bcc:** [REDACTED]

---

On Wed, Jan 11, 2017 at 07:53:12PM -0500, Angelos D. Keromytis wrote:


 [Does a bear shit in the woods?](#)

Smartass.

I will get some quotes then, and go from there.

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** dagon [REDACTED]   
**Subject:** fyi  
**Date:** January 29, 2017 at 12:50 PM  
**To:** Manos Antonakakis [REDACTED]

---

The Russians are killing spies with knowledge of the dossier materials:

<http://www.inquisitr.com/3930099/former-kgb-chief-who-allegedly-helped-to-compile-golden-shower-dossier-on-donald-trump-found-dead/>

Oh, and Trump purged the National Security Council (removing General Dunford) and put Steve Bannon (his PR guy) on the NSC:

<http://www.politico.com/story/2017/01/mccain-bannon-nsc-234329>


My guess: The purged NSC will now say that Russia has given us great intel on ISIS, and that we should lift sanctions now that Russia is helping. (The public will have no way to judge this.)

All this to protect Trump from the dossier materials.

--

David Dagon

[REDACTED]  
D970 6D9E E500 E877 B1E3 D3F8 5937 48DC 0FDC E717


**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: fyi  
**Date:** January 29, 2017 at 12:54 PM  
**To:** dagon [REDACTED]  
**Bcc:** [REDACTED]

---

What the fuck is going on? Can you please explain why  
GOP is not doing something?

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** dagon [REDACTED]   
**Subject:** Re: fyi  
**Date:** January 29, 2017 at 1:08 PM  
**To:** Manos Antonakakis [REDACTED]

---



On Sun, Jan 29, 2017 at 12:55:02PM -0500, Manos Antonakakis wrote:

What the fuck is going on? Can you please explain why  
GOP is not doing something?

Some in the GOP knows what's up (Graham, McCain), but most are all too happy to have their narrow, specific agendas advanced (e.g., removing social security, ACA/Obama-care repeal, more tax cuts for companies, etc.) They put party ahead of country, in short.

In 2018 the Senate (and maybe the House) may flip, and there will then be real investigations (but again, party will be ahead of country, as Democrats look into corruption for narrow purposes).

Now that the Russians are killing people with knowledge of the dossier, we can hope for a defector who gets to a non-US embassy in Moscow.

\* \* \*

Here's another bit of corruption to watch (minor stuff really, but take note):

Anthony Scaramucci (who essentially assumed Valerie Jarrett's outreach role in the Trump Whitehouse), sold his SkyBridge FOF for 7x valuation (compared to normalized EBITDA multiples of 3x for similar such funds), to a Chinese firm (HNA Group), and some "unknown investor" with connections to Chavez/Venezuela (a one Danilo Diazgranados Manglano of RON investment, a company incorporated in the island of Jersey). Scaramucci says he doesn't know the people behind RON, but they've been invested in SkyBridge for years.... That's all I needed to hear to suspect fraud.

<https://www.bloomberg.com/news/articles/2017-01-27/scaramucci-scores-millions-from-a-buyer-with-mystery-investors>

It's worth watching the stunned reporters talk about the windfall:

<https://www.youtube.com/watch?v=FCouGYINXPk>


Speculation: this could be Venezuelan money laundering, or even government officials buying protection against US Senate Foreign Relations Committee investigation into VE food corruption. (Military food smuggling by Nicolas Maduro's government is a kleptocratic reward for loyalists, now that their currency is worthless). Or it could be Trump/Russian money, using Diazgranados as a bagman. I'm betting it's just kleptocratic wealth extraction from starving Venezuelans, but could be more. (There's corruption everywhere of course but a special fate must await those who profit off human starvation.)

While bitcoin is huge in VE and there's tons of malware, this might not affect our work every much. I'm expecting bitcoin laundering to be mostly used by criminal gangs, while VE corrupt officials use Wall Street/Scaramucci.

--

David Dagon

D970 6D9E E500 E877 B1E3 D3F8 5937 48DC 0FDC E717

**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: fyi  
**Date:** January 29, 2017 at 1:21 PM  
**To:** dagon [REDACTED]  
**Bcc:** [REDACTED]

On Sun, Jan 29, 2017 at 01:08:23PM -0500, dagon wrote:

On Sun, Jan 29, 2017 at 12:55:02PM -0500, Manos Antonakakis wrote:

What the fuck is going on? Can you please explain why  
GOP is not doing something?

Some in the GOP knows what's up (Graham, McCain), but most are all too happy to have their narrow, specific agendas advanced (e.g., removing social security, ACA/Obama-care repeal, more tax cuts for companies, etc.) They put party ahead of country, in short.

In 2018 the Senate (and maybe the House) may flip, and there will then be real investigations (but again, party will be ahead of country, as Democrats look into corruption for narrow purposes).

Now that the Russians are killing people with knowledge of the dossier, we can hope for a defector who gets to a non-US embassy in Moscow.

\* \* \*

Here's another bit of corruption to watch (minor stuff really, but take note):

Anthony Scaramucci (who essentially assumed Valerie Jarrett's outreach role in the Trump Whitehouse), sold his SkyBridge FOF for 7x valuation (compared to normalized EBITDA multiples of 3x for similar such funds), to a Chinese firm (HNA Group), and some "unknown investor" with connections to Chavez/Venezuela (a one Danilo Diazgranados Manglano of RON investment, a company incorporated in the island of Jersey). Scaramucci says he doesn't know the people behind RON, but they've been invested in SkyBridge for years.... That's all I needed to hear to suspect fraud.

<https://www.bloomberg.com/news/articles/2017-01-27/scaramucci-scores-millions-from-a-buyer-with-mystery-investors>

It's worth watching the stunned reporters talk about the windfall:

<https://www.youtube.com/watch?v=FCouGYINXPk>

Speculation: this could be Venezuelan money laundering, or even government officials buying protection against US Senate Foreign Relations Committee investigation into VE food corruption. (Military food smuggling by Nicolas Maduro's government is a kleptocratic reward for loyalists, now that their currency is worthless). Or it could be Trump/Russian money, using Diazgranados as a bagman. I'm betting it's just kleptocratic wealth extraction from starving Venezuelans, but could be more. (There's corruption everywhere of course but a special fate must await those who profit off human starvation.)

So, let me get this straight. You are selling something, because you have to get rid of it and you strike a deal 7.5 times the true value, and 2 times the average fund-to-fund acquisition price? And, you have no idea to who you are really selling to?


Note, you and me had to go through a COI plan to write the DARPA proposal. What is happening to this great county? (Rhetorical)

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668





**From:** dagon [REDACTED]   
**Subject:** Re: fyi  
**Date:** January 29, 2017 at 1:37 PM  
**To:** Manos Antonakakis [REDACTED]

---

On Sun, Jan 29, 2017 at 01:22:18PM -0500, Manos Antonakakis wrote:

So, let me get this straight. You are selling something, because you have to get rid of it and you strike a deal 7.5 times the true value, and 2 times the average fund-to-fund acquisition price? And, you have no idea to who you are really selling to?

Yea, but it looks like simple kleptocracy, just from the VE food programs (now that their currency is junk). Normally, this would be a major news issue, but there are so many other issues right now. I'm just guessing this doesn't affect us (VE gov hates bitcoin), but keep an eye out for VE traffic/botnets. Some day, however, Scarmucci will be noted for having profited from starvation, rest assured.

Note, you and me had to go through a COI plan to write the DARPA proposal. What is happening to this great county? (Rhetorical)

Silly, yes. Don't worry; this is temporary. I've actually seen worse in the 1970s. The 2018 elections will be an earthquake.

--

David Dagon


[REDACTED]  
D970 6D9E E500 E877 B1E3 D3F8 5937 48DC 0FDC E717

**From:** fabian@zeropointdynamics.com  
**Subject:** draft  
**Date:** February 22, 2017 at 8:46 AM  
**To:** [REDACTED]



---

Will be taking a look this morning to see what else we can add for ya in section 1. Section 2 is there really for the risk discussion we had yesterday.  
-Fabian

**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: slide check  
**Date:** March 4, 2017 at 5:43 PM  
**To:** Angelos D. Keromytis [REDACTED]  
**Bcc:** [REDACTED]

---

On Sat, Mar 04, 2017 at 05:40:57PM -0500, Angelos D. Keromytis wrote:

 The slide itself is fine. Btw, it's "breadcrumbs" (not "bread crams").

Thanks and thanks.

--  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Manos Antonakakis [REDACTED]  
**Subject:** Re: fyi --- the other request  
**Date:** March 10, 2017 at 5:11 PM  
**To:** Angelos D. Keromytis [REDACTED]  
**Bcc:** [REDACTED]



---

Working on both.

---

Typos due to mobile device ...



**From:** Manos Antonakakis manos@gatech.edu  
**Subject:** Neustar <=> GT collaboration  
**Date:** July 14, 2016 at 9:31 PM  
**To:** Burke, Peter Peter.Burke@neustar.biz, Joffe, Rodney Rodney.Joffe@neustar.biz, Foster, Brian Brian.Foster@neustar.biz  
**Cc:** Atreya, Mohan Mohan.Atreya@neustar.biz, Steve Dejong Steve.DeJong@neustar.biz, Mark Robinson Mark.Robinson@neustar.biz

---

Gentlemen,

By now all of you should be aware of the great news from DARPA. We have a 5 year long collaboration ahead of us, so I think it would make sense for the Neustar team to visit Atlanta and my lab.

How is the week of August 15 looks like for you? Mine is completely open. Perhaps, we should schedule the visit then?

Many thanks,

Manos

On Fri, May 27, 2016 at 7:22 PM, Manos Antonakakis

<[REDACTED]> wrote:

Hey Mohan,

Many thanks for the intro. Peter, the pleasure was all mine!

Yes, you should come and visit us. I would suggest sometime in September, when the semester starts and my students are back from their internships in the bay area. You are more than welcome to visit sooner, but it will be just me and my three postdocs.

The Neustar team is always welcome to visit my lab. Anytime you, Rodney, Brian or anyone else want to visit.

Cheers,

Manos

On Fri, May 27, 2016 at 1:05 PM, Burke, Peter <Peter.Burke@neustar.biz> wrote:

Hi Manos,

It was great to meet you today – it is very interesting work that you do and I see great opportunities to collaborate with you.

I would like to try to figure out a time to come and spend more time with so that you can continue my education :-)

I am guessing you are based in Atlanta ?

Peter Burke  
Neustar, Inc.  
SVP Engineering and Operations  
505 Howard Street, Suite 500, San Francisco, CA 94105  
Office: 415.659.2388 / peter.burke@neustar.biz / www.neustar.biz

From: "Atreya, Mohan" <Mohan.Atreya@neustar.biz>  
Date: Friday, May 27, 2016 at 12:51 PM  
To: Manos Antonakakis <[REDACTED]>  
Cc: "Atreya, Mohan" <Mohan.Atreya@neustar.biz>, Peter Burke <peter.burke@neustar.biz>  
Subject: Introducing Peter Burke

Hello Manos

Just wanted to introduce you to Peter (our SVP Engg and Operations).

Peter. We contact Manos on his gmail account for consulting purposes and his Georgia Tech email address for interactions that relate with the university (example: sponsorship etc)

|| Regards  
Mohan



**From:** Atreya, Mohan Mohan.Atreya@neustar.biz  
**Subject:** Re: Neustar <=> GT collaboration  
**Date:** July 15, 2016 at 1:33 AM  
**To:** Manos Antonakakis manos@gatech.edu, Burke, Peter Peter.Burke@neustar.biz, Joffe, Rodney Rodney.Joffe@neustar.biz, Foster, Brian Brian.Foster@neustar.biz  
**Cc:** DeJong, Steve Steve.DeJong@neustar.biz, Robinson, Mark Mark.Robinson@neustar.biz, Atreya, Mohan Mohan.Atreya@neustar.biz

---

Hi Manos

Congratulations on the great news. We will try and optimize for the week you suggested.

Regards  
Mohan

On 7/14/16, 6:31 PM, "[REDACTED]" on behalf of Manos Antonakakis "[REDACTED]" on behalf of manos@gatech.edu> wrote:

Gentlemen,

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Peter Burke  
Neustar, Inc.  
SVP Engineering and Operations  
505 Howard Street, Suite 500, San Francisco, CA 94105  
Office: 415.659.2388 / peter.burke@neustar.biz / www.neustar.biz

From: "Atreya, Mohan" <Mohan.Atreya@neustar.biz>  
Date: Friday, May 27, 2016 at 12:51 PM



Date: Friday, May 27, 2016 at 12:01 PM

To: Manos Antonakakis <[REDACTED]>

Cc: "Atreya, Mohan" <Mohan.Atreya@neustar.biz>, Peter Burke  
<peter.burke@neustar.biz>

Subject: Introducing Peter Burke

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Regards  
Mohan



**From:** Manos Antonakakis manos@gatech.edu  
**Subject:** Re: Neustar <=> GT collaboration  
**Date:** July 15, 2016 at 7:11 AM  
**To:** Atreya, Mohan Mohan.Atreya@neustar.biz

---

Many thanks Mohan --- great times ahead!

Manos

On Fri, Jul 15, 2016 at 1:33 AM, Atreya, Mohan <Mohan.Atreya@neustar.biz> wrote:

Hi Manos

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Regards  
Mohan

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Manos

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Peter Burke  
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From: "Atreya, Mohan" <Mohan.Atreya@neustar.biz>  
Date: Friday, May 27, 2016 at 12:51 PM  
To: Manos Antonakakis <[REDACTED]>  
Cc: "Atreya, Mohan" <Mohan.Atreya@neustar.biz>, Peter Burke  
<peter.burke@neustar.biz>  
Subject: Introducing Peter Burke

Hello Manos

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Peter. We contact Manos on his gmail account for consulting purposes and his Georgia Tech email address for interactions that relate with the university (example: sponsorship etc)

Regards  
Mohan


**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: Some (Useful?) Leads  
**Date:** March 22, 2017 at 7:27 PM  
**To:** Tejas Patel [REDACTED]  
**Bcc:** [REDACTED]

---

Please call me on Skype to make sure I understand \*where\* these data were observed. I think I have a sense, and if my sense is correct, these are \*really\* useful data.

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Manos Antonakakis manos@gatech.edu   
**Subject:** Re: Re: [Non-DoD Source] Networks Of Interest (UNCLASSIFIED)  
**Date:** March 29, 2017 at 9:43 AM  
**To:** Michael Farrell michael.farrell@gtri.gatech.edu  
**Cc:** David Dagon [REDACTED]  
**Bcc:** [REDACTED]

---

Nope, I am ontop of this. Stay clear.

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



**From:** Manos Antonakakis manos@gatech.edu  
**Subject:** Re: Re: [Non-DoD Source] Networks Of Interest (UNCLASSIFIED)  
**Date:** April 4, 2017 at 8:15 AM  
**To:** Schuchard, Ross J MAJ USARMY ARCYBER (US) ross.j.schuchard.mil@mail.mil  
**Cc:** Patel, Tejas H CTR (US) tejas.patel.ctr@darpa.mil, Normandin, Nicholas E CPT USARMY ARCYBER (US) nicholas.e.normandin.mil@mail.mil, Keromytis, Angelos D CIV DARPA (US) angelos.keromytis@darpa.mil, David Dagon [REDACTED] Farrell, Michael Michael.Farrell@gtri.gatech.edu

---

On Tue, Apr 4, 2017 at 8:09 AM, Schuchard, Ross J MAJ USARMY ARCYBER (US) <ross.j.schuchard.mil@mail.mil> wrote:

Manos,

Awesome. Thanks for the detailed info and suggestions. I am on a flight right now, but will start digging in later today. I would ask that we attempt to have a sync session on Friday though to talk through some desired processes between all of us (if able!).

Thanks!


Ross

Safe flight Ross.

Friday quite busy, but I will move things around. I could move everything except a 12.00-15.30 meeting I must attend.

Cheers,

Manos

**From:** Manos Antonakakis [REDACTED]   
**Subject:** Re: fyi-  
**Date:** April 13, 2017 at 10:49 PM  
**To:** Angelos D. Keromytis [REDACTED]  
**Bcc:** [REDACTED]

---

On Thu, Apr 13, 2017 at 10:45:59PM -0400, Angelos D. Keromytis wrote:  
| [Mpizoudaki apo tou Tyfus :\)](#)

lol, kai mpizoudakia kanoume ... ;)

--

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668