**NIST Big Data Public Working Group (NBD-PWG)**

**NBD-PWD-2015/M0455**

**Source: NBD-PWG**

**Status: Draft**

**Title: Web chat from Meeting of Oct. 13, 2015**

**Chat Log D:\\_wo\1DMG\2015\\_BigDataWG\Docs\ChatLog 2015\_10\_13 14\_57.rtf**

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 12:59 PM: Can you hear us now....?

**Pw Carey, Compliance Partners, LLC (to Organizer(s) Only)**: 12:59 PM: We're logged in via Telephone...can you hear us...?

**Wo Chang (to Pw Carey, Compliance Partners, LLC)**: 12:59 PM: not yet.

**Wo Chang (to Pw Carey, Compliance Partners, LLC)**: 1:00 PM: can you hear me?

**Pw Carey, Compliance Partners, LLC (to Organizer(s) Only)**: 1:01 PM: Yes we can hear you...but you can't hear me...

**Wo Chang (to Pw Carey, Compliance Partners, LLC)**: 1:01 PM: say something PW.... let's try again.

**Pw Carey, Compliance Partners, LLC (to Organizer(s) Only)**: 1:02 PM: Ok....we're hear...should we use Plan B....?

**Pw Carey, Compliance Partners, LLC (to Organizer(s) Only)**: 1:02 PM: We're talking all the time ...we're just a little chatter box......

**Pw Carey, Compliance Partners, LLC (to Organizer(s) Only)**: 1:03 PM: We'll switch over to Mike & Speakers....

**Wo Chang (to Pw Carey, Compliance Partners, LLC)**: 1:03 PM: ok

**Pw Carey, Compliance Partners, LLC (to Organizer(s) Only)**: 1:05 PM: The only things that working is my Logitech USB Headset......so....we can hear you all fine....sooo lets go with plan B. when you're ready on the agenda

**Pw Carey, Compliance Partners, LLC (to Organizer(s) Only)**: 1:08 PM: We're still able to capture the Chat Log and we'll send it to you via email right after today's meeting......Promise...

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:09 PM: Good afternoon Mark Underwood....any thoughts regarding Blockchain.....useability....?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:13 PM: Thanks Mark....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:15 PM: How can we bring all five or six groups together in harmony....(aka: cooperation w/a more holestic strategy....)

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:15 PM: In preparation for the March meeting....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:17 PM: Should we be considered the VAR Value Added Resource for the Regulatory Agencies....as they are lagging in trying to keep up with the recent tech. advances.....et al....?

**Bob Marcus (to Everyone)**: 1:20 PM: The March meeting will be physical. There will be industrial participation through the Cloud Standards Council and Industrial Internet Consortium

**Mark Underwood (to Everyone)**: 1:21 PM: Cavan, he's referring to NIST's Cyberphysical Systems initiatives, though I'm sure the other meaning has more importance in the privacy fabric :)

**Mark Underwood (to Everyone)**: 1:21 PM: Bob - is there a date?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:21 PM: Dear Bob: This means Face-to-Face....not dial-in....?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:22 PM: Ok....Thanks...

**Mark Underwood (to Everyone)**: 1:22 PM: Bob - agree - IoT feed / flow is key, and a dscriminator for this WG efforts

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:23 PM: Glad to hear that security and privacy are at the top of the list for the IoT roll-out....

**Tim Zimmerlin (to Everyone)**: 1:24 PM: Realtime will challenge the NBD-PWG. Drinking from a firehose is very hard to control. Flow control, buffering, local preprocessing, minimize network traffic, redundancy.

**Cavan Paul Capps (CENSUS/ADRM FED) (to Everyone)**: 1:24 PM: My exploration of IOT, particularly with Stephen Wolfram is there is adhoc device standards, not sure how they would plug into something like SPARK Streaming

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:24 PM: True....there a different levels of maturity...(aka: technical knowledge and experience and expertise....et al....among these disperse groups)

**Mark Underwood (to Everyone)**: 1:26 PM: Looks like March 14-18 in Reston?

**Cavan Paul Capps (CENSUS/ADRM FED) (to Everyone)**: 1:26 PM: that would be nice for Feds

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:26 PM: Dear Mark: Can we attend if our schedule allows....?

**Bob Marcus (to Everyone)**: 1:27 PM: The joint meeting will be one day from March 14-18 in Reston

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:28 PM: Dear Bob: Is there a registration web site....for this conference 03/14/2016 to 03/18/2016.....?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:30 PM: A Security Incident Whitepaper will soon appear .... here....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:33 PM: NIST IR 7904 Second Draft....Trusted Geolocation in the Cloud....et cetera.....DRAFT ONLY....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:33 PM: This is a good format for capturing a White Paper.....a nice suggestion....too...

**Wo Chang (to Everyone)**: 1:33 PM: http://csrc.nist.gov/publications/drafts/ir7904/nistir\_7904\_second\_draft.pdf

**Mark Underwood (to Everyone)**: 1:34 PM: Note that this format does allow mention of commercial products et al, unlike our stds work

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:36 PM: Dear Mark: The link works for downloading...also, lets substitute the commercial products with the term 'tech-specific'.....just a thought...?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:37 PM: Or....'tech-generic solution'.....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:37 PM: E.g. replace Oracle, Amazon, Cisco et al with tech-generic solution.....neat eh?

**Frank Farance (to Everyone)**: 1:39 PM: Need to sign off for a little while

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:39 PM: Nope...but we can respond via the chat log.....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:40 PM: Ok...understood....Thanks....

**Cavan Paul Capps (CENSUS/ADRM FED) (to Everyone)**: 1:41 PM: I have worked on health data for CDC (via Census)

**Mark Underwood (to Everyone)**: 1:41 PM: Cavan - can u talk about approaches to privacy protection in that workj?

**Cavan Paul Capps (CENSUS/ADRM FED) (to Everyone)**: 1:42 PM: yes

**Tim Zimmerlin (to Everyone)**: 1:45 PM: Russell, the data or information lifecycle is from cradle to grave.

**David W. Boyd (to Everyone)**: 1:46 PM: Not surprised about deltas between 6 and 7. Volume 6 should be considered authoratative.

**Tim Zimmerlin (to Everyone)**: 1:46 PM: Data lifecycle management includes ingestion, remediation as needed, curation, QA, online, near online, archival storage.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:49 PM: Dear Folks: The rules are changing regarding 'Safe Harbor'......after a recent EU Supreme Court Ruling.....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 1:53 PM: Will the efforts to securitize Block Chain improve this lacking....attached to cross-referencing data points...?

**Arnab Roy (to Everyone)**: 1:56 PM: This is actually not so cut and dry. What Jacob is referring to is close to k-anonymity - a notion that has numerous problems - including composability

**Arnab Roy (Private)**: 1:58 PM: Wo, sorry I have to leave for a meeting. Interesting conversation on privacy - will follow up offline

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:00 PM: Be back in a minute or two...

**Jacob Dilles (to Everyone)**: 2:02 PM: https://campustechnology.com/articles/2014/05/22/carnegie-mellon-put-lawyers-to-work-automating-privacy-compliance-in-big-data-systems.aspx

**Jacob Dilles (to Everyone)**: 2:02 PM: heres the paper: http://www.cs.cmu.edu/~wing/publications/Sen-Wing14.pdf

**Mark Underwood (to Everyone)**: 2:08 PM: Jacob thx for that reminder about the paper

**Mark Underwood (to Everyone)**: 2:10 PM: Cavan - I'm at mark.underwood@kryptonbrothers.com and cc: Arnab, Gregory, Jacob (I have their addresses)

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:11 PM: Good starting point for Mark and Gregory.....(security & privacy).....Please note: The Regulatory Agencies will always be in Catch-up Mode....

**Ann Racuya-Robbins (to Everyone)**: 2:11 PM: still having audio problems

**Cavan Paul Capps (CENSUS/ADRM FED) (to Everyone)**: 2:11 PM: Mark - Thanks

**Mark Underwood (to Everyone)**: 2:14 PM: ALL - Oct 23 is the public comment deadline for the EHR on Mobile Devices cybersec guide https://nccoe.nist.gov/projects/use\_cases/health\_it/ehr\_on\_mobile\_devices

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:16 PM: Dear Jeffrey: Have you looked at the CME site....Chicago Mercantile Exchange....for background info..?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:19 PM: Oops....Dear Geoffrey.....that is...

**Gregory Weidman (to Everyone)**: 2:20 PM: AFK

**Mark Underwood (to Everyone)**: 2:20 PM: There's some use of Docker workflow that tries to ve security and audit aware, e.g., http://bit.ly/1MwQ0b2

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:21 PM: Dear Gregory: afk stands for attenuated flying knockabouts....perhaps....?

**Mark Underwood (to Everyone)**: 2:24 PM: Geoffrey echoing some of Tim's OpenStack commentary

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:24 PM: The high cost of performance reduction.....yes...

**Tim Zimmerlin (to Everyone)**: 2:24 PM: Mark, I am not judging Open Stack but I am not wedded to any specific solution.

**Mark Underwood (to Everyone)**: 2:25 PM: Tim I know ;)

**Gregory Weidman (to Everyone)**: 2:25 PM: Back.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:25 PM: So, Docker has the lowest overhead....regarding performance....yes?

**Tim Zimmerlin (to Everyone)**: 2:25 PM: Also, I am aiming at 100,000 nodes (e.g., core, VM, physical server). Just starting 100,000 nodes could bring down a cloud.

**Mark Underwood (to Everyone)**: 2:26 PM: Guys at Twilio write "Getting started with Docker feels more like a game of Simon than it does learning a new tool." (They talk bout using it on OSX)

**Tim Zimmerlin (to Everyone)**: 2:26 PM: Pw, Docker is the flavor of the month.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:26 PM: Dear Tim: That sounds about right....thanks....

**Gregory Weidman (to Everyone)**: 2:27 PM: Don't think I would consider a multi-tenant containerized environment for data requiring protection.

**Tim Zimmerlin (to Everyone)**: 2:28 PM: Pw, the technology is heading toward lightweight Linux with network optimizations. The many core chips are special purpose with SIMD instruction sets.

**Mark Underwood (to Everyone)**: 2:30 PM: These would be good thinks to point to / at fromour wiki

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:30 PM: Dear Tim: Do you have an affinity for Linux.......?or is it simply the best thing out there....Also lets not forget Highbench....12 or more applications.....perhaps test data will come via TPCH....and lets not forget Swim Benchmark....for Hadoop.....can you send us all the cute names....?.

**Mark Underwood (to Everyone)**: 2:31 PM: \*things

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:31 PM: Dear Sir: We even tried a Chrome browser and that didn't work either......

**Russell Reinsch (to Everyone)**: 2:31 PM: Lets hear it

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:32 PM: Dear Mark: The AUDIENCE IS HUGE....

**Russell Reinsch (to Everyone)**: 2:32 PM: Vocab is important

**Bhumip [ZTE] (to Everyone)**: 2:32 PM: May we see the draft doc first ? Thanks.

**Ann Racuya-Robbins (to Everyone)**: 2:32 PM: I have asked for support on my audio problem. Sorry I can participate better today.

**Tim Zimmerlin (to Everyone)**: 2:33 PM: Pw, I choose the best tool. UNIX flavors like Linux, Mac OS X, Solaris, AIX are solid choices. The OS must breath data at high speed, context switch, multi thread, be secure, be open.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:34 PM: Dear Tim: You;ve converted me......sorta...unfortunately the conversion interface will still have to sort itself out.....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:35 PM: Dear Mark: Is there any way to convince the Regulatory Agencies to consider our Stds. for influencing their business practices....?

**Tim Zimmerlin (to Everyone)**: 2:36 PM: Mark, this links to a recent NAS report articulating privacy integrated into cybersecurity: http://www.nap.edu/catalog/21833/cybersecurity-dilemmas-technology-policy-and-incentives-summary-of-discussions-at

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:42 PM: Thanks Tim.....we agree with Mark, too....also....the bad guys do not respect proprietary.....whatever works best to break-in is fine by them......a constant game of catch-up....and the Regulators are too slow on the up-take.....at this point in time.....in our opinion...personal & professional....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:43 PM: Dear Mark: We'll send you an email regarding 454.....Thanks...

**Mark Underwood (to Everyone)**: 2:44 PM: PW - great, thx

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:46 PM: Dear Mark: Actually it's Pw.....in honor of our God Father....Mr. William Patrick McKenna.....just a minor note.....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:47 PM: And we should have our microphone issues resolved for the next meeting, too....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:47 PM: Sorry....we still mute.....my apologies...

**Cavan Paul Capps (CENSUS/ADRM FED) (to Everyone)**: 2:49 PM: GNIP costs right?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:50 PM: Twitter & G-Nip....and a video streaming app...as well for including videos..in real-time...9aka: Periscope)

**Mark Underwood (to Everyone)**: 2:51 PM: Maybe we could get them to present to us briefly ?

**Mark Underwood (to Everyone)**: 2:51 PM: https://gnip.com/

**Russell Reinsch (to Everyone)**: 2:51 PM: Datasift is the one I was trying to remember

**Mark Underwood (to Everyone)**: 2:52 PM: Yes, gnip is commercial AFAIK

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:52 PM: G-Nip is an aggregator...Facebook et al....includes...sorta like like Canoe....but lets not forget Periscope....https://medium.com/@periscope/up-periscope-f0b0a4d2e486

**Russell Reinsch (to Everyone)**: 2:53 PM: Datasift used to handle the full firehose / supposedly. Never confirmed that myself

**Mark Underwood (to Everyone)**: 2:54 PM: Gnip, per Slashdot, is pretty pricey

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:54 PM: We seem to accomplish more when Pw is quiet....or is that just me.....?

**Russell Reinsch (to Everyone)**: 2:54 PM: PW: its real

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:55 PM: Thanks Russell....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:56 PM: Twitter is undergoing a lot of changes right now....stock drops ... a new CEO et cetera.....

**Russell Reinsch (to Everyone)**: 2:56 PM: why are they alying of 300 people

**Russell Reinsch (to Everyone)**: 2:56 PM: \*layoff

**Mark Underwood (to Everyone)**: 2:57 PM: MS Azure hosts an event hub that pushes out synthetic event data

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:57 PM: Rather a re-cycled CEO.....because they're losing perceived value....

**Cavan Paul Capps (CENSUS/ADRM FED) (to Everyone)**: 2:57 PM: Anyone using Spark Streaming for twitter?