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

**NBD-PWD-2016/M0509**

**Source: NBD-PWG**

**Status: Draft**

**Title: Web chat from Meeting of March 1, 2016**

**Chat Log C:\\_2016\_02\_27\_RDA\_WG9\ChatLog 2016\_03\_01 15\_06.rtf**

**Ann Racuya-Robbins (to Everyone)**: 1:10 PM: I would be interested in that topic

**russ rein (to Organizer(s) Only)**: 1:14 PM: Apple vs. NSA. is a big data issue [frank]. Wo: on the tech side maybe, but recommendations for the organization parties is outside our scope.

**russ rein (to Organizer(s) Only)**: 1:17 PM: Mark: address mobile data. design time vs. forensics is an important topic.

**Tim Zimmerlin (to Everyone)**: 1:18 PM: NYC DA Cyrus Vance Jr is asking Congress to pass the necessary laws. A NYC judge stated that the FBI needs new laws and rejected their motion. The US-EU working conference is establish standard procedures. On this will go far to define digital privacy in practice.

**Mark Underwood (to Everyone)**: 1:19 PM: Frank - which SC was that?

**Mark Underwood (to Everyone)**: 1:19 PM: (meetng in Boulder)

**Mark Underwood (to Everyone)**: 1:23 PM: +1 good to have some time to organize the S+P content needs

**Mark Underwood (to Everyone)**: 1:24 PM: Frank: Would like to have a 5-10 min refresher on conformance

**Tim Zimmerlin (to Everyone)**: 1:29 PM: Ann, why? Marketplaces generate commerce.

**russ rein (to Organizer(s) Only)**: 1:30 PM: Frank: SE 25-1 [?] Ann: do we want life to survive.

**Tim Zimmerlin (to Everyone)**: 1:31 PM: New technologies create new opportunities. Concortia are organized to respond to the new opportunities. Laws and standards document the rules of commercial and government enterprise. Marketplaces start and co-evolve. E.g., US kidney marketplace.

**Frank Farance (to Everyone)**: 1:38 PM: @Mark: Something for this call, or outside this call? You can call me on the cell at +1 917 751 2900 after this meeting.

**Mark Underwood (to Everyone)**: 1:38 PM: @Frank After the call is fine

**russ rein (to Everyone)**: 1:39 PM: Put me on that call

**Mark Underwood (to Everyone)**: 1:39 PM: @Russ - ack'd

**Frank Farance (to Everyone)**: 1:40 PM: Mark: did you see Russ's comment? Do we need a telecon (I am available tomorrow for most of the day). For after this call, I will only have about 15 minutes. Let me know what works best for y'all.

**russ rein (to Everyone)**: 1:42 PM: Need more than 15

**Mark Underwood (to Everyone)**: 1:43 PM: Russ/Frank - OK, more time is ok - how about Friday? Next 2 days are shot for me

**Cavan (to Everyone)**: 1:43 PM: I would like to sit in on the call as well, if that is possible.

**Mark Underwood (to Everyone)**: 1:44 PM: Cavan - OK, then I'll ask Wo to use the GTM for that

**russ rein (to Organizer(s) Only)**: 1:45 PM: Ann: opendata... doesnt spread out horizontally very well. Tim: NSF has only three years to fund this.

**Cavan (to Everyone)**: 1:46 PM: thanks

**Cavan (to Everyone)**: 1:52 PM: Older distributed processing at Oak Ridge... for example SNOW (simple network of workstations) focused on computationally bound problems, not so much I/O bound problems

**russ rein (to Organizer(s) Only)**: 1:59 PM: Vivek Navalle has left. Frank: Sandra: standards in technology is about technology. Mark: moral equivalents are outside our normal wheelhouse.

**Ann Racuya-Robbins (to Everyone)**: 2:02 PM: Sorry I have to go now.

**NANCY GRADY (to Everyone)**: 2:03 PM: bye ann

**russ rein (to Everyone)**: 2:05 PM: Go to Item 4

**russ rein (to Organizer(s) Only)**: 2:12 PM: Orchestrator has become a catch all for everything that doesnt fit somewhere else. Comingling of human admin. Arnab: static vs. dynamic.

**Wo Chang (to Everyone)**: 2:14 PM: Sandra's email: sandra.l.smith3@usmc.mil

**russ rein (to Organizer(s) Only)**: 2:14 PM: Static: convert from policy req translated to functional decision / tech requirements. HIPPA needs tech pieces put in RA. Mark disagree.

**russ rein (to Organizer(s) Only)**: 2:15 PM: Adaptive: = dynamic. Frank: system config to ctrl flow [static], process ability / outbound flow ctrl is dynamic. 1. spawning a process 2. reconfig.

**russ rein (to Organizer(s) Only)**: 2:17 PM: This is doc M0505

**russ rein (to Organizer(s) Only)**: 2:19 PM: Tim: M is sys admin an orchestrator. Is a DB admin? Nancy: defines the req and checks. Admin is Mgmt. Tim: NOC this would be orch.

**Mark Underwood (to Everyone)**: 2:19 PM: agent vs. person role - not a useful distinction

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:20 PM: Sorry we soooo late....we were researching an app called Mom's IQ...which is a clandestine tool that runs on SmartPhones and without the user's knowledge remotely takes over your phone; turning on and off it's microphone, camera, GPS, and a key logger which tracks every web site the user goes to......amazing, eh....?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:20 PM: No wait....it's not called Mom's IQ....rather it's called Carrier IQ with the same functionality...neat, eh?

**russ rein (to Organizer(s) Only)**: 2:21 PM: N: Mgmt monitors. not orch [=design, ]. Srvr mgr automates distributed system. Tim: panic button for rerouting around problems.

**Cavan (to Everyone)**: 2:22 PM: PW - thought you were talking about a really new generation of parental controls

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:22 PM: Nope....they just keep re-installing it....remotely without any permissions....go figure....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:23 PM: Sorta a Ver. 2.0 we guess....

**Mark Underwood (to Everyone)**: 2:24 PM: Important to be thinking big data DevOps here - Docker etc writ large

**russ rein (to Organizer(s) Only)**: 2:25 PM: Dave: originally focused around workflow. Runtime concept. Shifted to design and dev phase type thing w policy, gov, auditing rules, etc. Mgmt in RA should be runtime. IaaS takes care of problem. Underlying infrastructure for HDFS handles problem. Keep orchestrator above and static; then tink about runtime.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:26 PM: Dear Mark: For individual security & privacy we should know how close the security communities and the vendor communities are working hand-in-glove to tap into individual's data w/o their permissions and/or knowledge.....Just a thought...

**russ rein (to Organizer(s) Only)**: 2:28 PM: Orch non runtime / Mgmt runtime. Arnab: agree especially for SnP. Mark: the connect between static and dynamic is actually fabric. Fully integrated into the whole thing. Russ: boo-yah.

**Mark Underwood (to Everyone)**: 2:29 PM: Sorry to interrupt you Nancy, Dave, Arnab

**Arnab (to Everyone)**: 2:31 PM: Not at all: sorry for derailing your talk Mark

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:32 PM: There is a time-line for protecting the individuals interests; security, privacy, financial et al....and each area may and will flow through the legal system.....and relies upon good folks willing to use FOIA (Freedom of Information Act) to protect these 'rights'......for the individual and even for the Corporation as was describing the rights of the individual in the 14th Amendment after the Civil War....but eventually was changed to include and protect and treat Corporations as Persons.....rather than how it was intended....it would be good to have a business law expert help us here, don't you think....?

**Geoffrey Fox (to Everyone)**: 2:33 PM: Whay do peple acll Appache Cruch and Beam (Google Dremel and Cloud dataflow). These are workflow or orchestrator. One must have this in architecture

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:33 PM: The rights of the Corporation vs those of the Individual....needs clarification....

**russ rein (to Organizer(s) Only)**: 2:33 PM: Tim: In a working team... Wo: RA is focusing on message? / interface. ~Background details. How do we bring in analysis. Apply to a particular app. If the app is r/t, then [x]. Orch should focus on particular app.

**Geoffrey Fox (to Everyone)**: 2:34 PM: Openstack is incredibly difficult to use. As a manager I would abandon it!

**Tim Zimmerlin (to Everyone)**: 2:35 PM: Geoffrey, Chameleon runs OpenStack and bare metal.

**Cavan (to Everyone)**: 2:36 PM: Geoffrey, do you have any experience with horton works/

**Cavan (to Everyone)**: 2:36 PM: ?

**russ rein (to Organizer(s) Only)**: 2:36 PM: Tim: there is a way of communicating... key part. Mark: SWOSD.

**russ rein (to Everyone)**: 2:36 PM: SWOSD

**Geoffrey Fox (to Everyone)**: 2:38 PM: As well as TOSCA there is BPEL. Where do they fit in orchestration?

**Tim Zimmerlin (to Everyone)**: 2:38 PM: I talked to Splunk founder. They support SNMP MIBs as well as others

**russ rein (to Organizer(s) Only)**: 2:41 PM: Trying to unclick the darn spotlight tool.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:41 PM: We agree....with Mark....but since it is soooo big....we believe the work should be parceld out for review with short deadlines....just our thoughts....

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:45 PM: Then we should force Privacy to the Top of the Stack.....there are various forms of SDLC....from Waterfall to Agile....but Agile is very culture dependent from the Top Down......it can work... but requires 100% Buy in from the top...(aka: C-Suite.....especially when things start to break and the weeping and knashing of teeth begins.....Pw

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:45 PM: Which is normal...by the way...

**Cavan (to Everyone)**: 2:45 PM: yes

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:46 PM: Dear Cavan: We agree with you, too.....Pw

**Cavan (to Everyone)**: 2:46 PM: thx

**Mark Underwood (to Everyone)**: 2:47 PM: Geoffrey - I had to look up Dremel

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:48 PM: Causation.....what made it happen....Correlation....Similar Traits between distance relatives....leading to the same Cabin in The Woods......Neat, eh?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:50 PM: Dear Nancy: With all due respect....there will always be 'Issues' regardless of how good everyone is on the project.....Just us....Pw

**russ rein (to Organizer(s) Only)**: 2:53 PM: Nancy: miners followed a model [crisp] had a flow, sim to app provider. Looking at translating crisp to our RA. crisp not for sys architecture.

**Tim Zimmerlin (to Everyone)**: 2:53 PM: Russell, I suggest that you read everything written by Judea Pearl at UCLA. Counterfactuals replaces causality. The focus is Bayesian networks, but this work is fully general.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:54 PM: We like 'Divide-n-Conquer'.....

**Mark Underwood (to Everyone)**: 2:55 PM: Big handicap not having a technical writer!

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:55 PM: Dear Mark: Please let me be the first to give you the title: Technical Writer....and Congratulations on the promotion.....Respectfully yours, Pw

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 2:56 PM: An honorary title...

**Geoffrey Fox (to Everyone)**: 2:59 PM: i don't believe 2.1

**russ rein (to Organizer(s) Only)**: 3:00 PM: Wo: Quyen wrote 5.2 Lifecycle Mgmt [1500-6]. Take names for contributors; send m0505 doc to all co-chairs.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 3:02 PM: OSS Operational Support Systems running inside of NOX....yes? Network Mgt. Systems thru Business Mgt. Systems.....et al

**russ rein (to Organizer(s) Only)**: 3:02 PM: Tim: OSS op support sys. Biggest r/t ctrl systems in telcos, usually inside of NOCs. 4 levels. Uber orch.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 3:03 PM: OSS would be an Uber Orchestrator....ok...

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 3:05 PM: Should we address the Apple FBI Security Play...?

**russ rein (to Organizer(s) Only)**: 3:05 PM: ecotainer = OS in a container.

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 3:05 PM: At sometime in the futue....?

**Pw Carey, Compliance Partners, LLC (to Everyone)**: 3:06 PM: Thank you.....Good meeting....& Take care...too...