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

**NBD-PWD-2016/M0571**

**Source: NBD-PWG**

**Status: Draft**

**Title: Web chat from Meeting of Oct. 18, 2016**

**Chat Log D:\\_wo\1DMG\2015\\_BigDataWG\Docs\ChatLog 2016\_10\_18 15\_21.rtf**

**Russell Reinsch (to Everyone)**: 1:08 PM: Meeting notes: Arnab covering Crypto classification table. Techs for data transformation scenarios. 3 encryption techs; blockchain.

**Cavan Paul Capps (to Everyone)**: 1:15 PM: I have a question

**Mark Underwood (to Everyone)**: 1:26 PM: All - see use of "fabric" notion in hyperledger. We invented the term, right?

**Mark Underwood (to Everyone)**: 1:26 PM: https://hyperledger-fabric.readthedocs.io/en/latest/Setup/Network-setup/

**Mark Underwood (to Everyone)**: 1:27 PM: All - I have a hard stop at 2p

**Tim Zimmerlin (to Everyone)**: 1:27 PM: Mark, fabric is in common and overloaded use in technical communities.

**Tim Zimmerlin (to Everyone)**: 1:28 PM: ...Fibre Channel Fabric...

**Tim Zimmerlin (to Everyone)**: 1:29 PM: ...fabric connotes nearly full meshed networks...

**Wo Chang (to Everyone)**: 1:29 PM: Mark: after Arnab's briefing, then is your turn,thanks.

**Tim Zimmerlin (to Everyone)**: 1:30 PM: ...fabric also connotes distributed state for distributed information...

**Russell Reinsch (to Everyone)**: 1:31 PM: Can we bump the doc up to 150% or so?

**Mark Underwood (to Everyone)**: 1:36 PM: Tim, I know, but I think we were the first to appropriate it for sec

**Tim Zimmerlin (to Everyone)**: 1:38 PM: Mark, but fabric has no history or context with security.

**Mark Underwood (to Everyone)**: 1:38 PM: Tim, that was our value add in Vol 1

**Mark Underwood (to Everyone)**: 1:38 PM: Version 1 vol 4, I mean

**Tim Zimmerlin (to Everyone)**: 1:39 PM: Mark, how does your "fabric" relate to microservices and containers.

**Russell Reinsch (to Everyone)**: 1:48 PM: Mark U: Quilt; ~25 new V2 features; Crosswalk: Navigation set to requests for Bibliography, other NIST references. Additional use cases include SEC audit trail, IoT, discussing solutions for data residency, XChangecore interoperability standard [glass breaking]...

**Russell Reinsch (to Everyone)**: 1:49 PM: Frank: PICO [NYC].

**Tim Zimmerlin (to Everyone)**: 1:49 PM: ...post emergency canvasing operation...

**Russell Reinsch (to Everyone)**: 1:54 PM: Mark: Use cases: criticism of existing frameworks: assume user has an whole existing framework for creating big data systems. ID places where small teams can use automated techs. SDLC: hetero model deployments / integrating different domains.

**Russell Reinsch (to Everyone)**: 1:58 PM: Wo: tie to the RA.

**Ann Racuya-Robbins (to Everyone)**: 2:00 PM: I think Tim's point is important. There is no context, history.

**Mark Underwood (to Everyone)**: 2:06 PM: I'll stay on intermittently listening. . . monitoring an unrelated call

**Russell Reinsch (to Everyone)**: 2:09 PM: Wo: verifying that the google docs are the latest version. Dave: track changes markup in Vol 6: was some reorganization; places requesting "fill in" of content are clearly marked.

**Arnab Roy (to Everyone)**: 2:09 PM: Stepping out for a bit

**Russell Reinsch (to Everyone)**: 2:09 PM: / "text needed"

**Russell Reinsch (to Everyone)**: 2:12 PM: Edit of diagrams must happen in the second doc.

**Russell Reinsch (to Everyone)**: 2:12 PM: the ppt has the editable images

**Mark Underwood (to Everyone)**: 2:22 PM: Agree - minor tweaks should be deferred

**Russell Reinsch (to Everyone)**: 2:27 PM: Wo: what about Vol 2. Nancy: collect links to other taxonomies, buildup a bibliography. RA taxon vs. the data characteristic taxon, remain unsynced. Explore how ours [2] compare to others.

**Russell Reinsch (to Everyone)**: 2:28 PM: Wo: #1 maps to the RA, #3 maps to HPC.

**Tim Zimmerlin (to Everyone)**: 2:29 PM: SQL, noSQL, newSQL, XML, Xquery2, RDF, Sparql, XMLT, XML-FO, etc..

**Russell Reinsch (to Everyone)**: 2:31 PM: Nancy: #2 was data at rest, taxon in terms of new logical storage paradigm, question was expand on the methods? 2nd Q look at blend with HPC or cloud? Overlap, differences, still need more work here to then decide on how to proceed.

**Russell Reinsch (to Everyone)**: 2:31 PM: RDF under graph

**Russell Reinsch (to Everyone)**: 2:32 PM: Add to Appendix B / end of Vol 2.

**Tim Zimmerlin (to Everyone)**: 2:33 PM: Russel, the least common denominator is the XML parser...xerces2, jaxb, jaxp

**Russell Reinsch (to Everyone)**: 2:37 PM: IoT taxon perhaps a priority

**Gregor (laszewski@gmail.com) (to Everyone)**: 2:42 PM: i am on the phone, but had difficulties with microphone.

**Gregor (laszewski@gmail.com) (to Everyone)**: 2:42 PM: hope its fixed now

**Gregor (laszewski@gmail.com) (to Everyone)**: 2:42 PM: update:

**Gregor (laszewski@gmail.com) (to Everyone)**: 2:43 PM: \* started to work on paper with HIST arch & cloudmesh

\* tested documentation on web which works

\* have issues with chameleoncloud as they were out of floating ips (e.g. no sense to test cloudmesh if the cloud is out of resources)

\* we are setting up new access to our cloud

**Gregor (laszewski@gmail.com) (to Everyone)**: 2:44 PM: please add to google doc

**Gregor (laszewski@gmail.com) (to Everyone)**: 2:44 PM: \* wae made improvements to the cloudmesh stack command

**Gregor (laszewski@gmail.com) (to Everyone)**: 2:46 PM: HIST = NIST ;-)

**Cavan Paul Capps (to Everyone)**: 2:49 PM: wo, I am back

**Mark Underwood (to Everyone)**: 2:57 PM: Strongly recommend some of these topics moved to IEEE P7000. Scope challenge for this group

**Tim Zimmerlin (to Everyone)**: 2:58 PM: I concur with Frank's warnings.

**Russell Reinsch (to Everyone)**: 3:00 PM: Wo: whitepapers: Can the whitepapers be kept up to a higher level. Applications themselves are important but... Frank: having a unique RFD tag for every garment, ID every thing, is not always good. Subject associated to data is counter to the notions of privacy, and is often not done for good science reasons, business reasons, etc. A lot of industries will not want this detail. Wo: might just be out of this groups scope or AOI / focus area. Looking for architecture...

**Frank Farance (to Everyone)**: 3:01 PM: Tim, Russ: Agree with your points

**Russell Reinsch (to Everyone)**: 3:02 PM: Ann: have ethical concerns in mainstream. Implications paper is not about privacy. Wo: not want to get into what is ethical.

**Cavan Paul Capps (to Everyone)**: 3:02 PM: I think the higher level should be in the volume, since we are not being specific. I think more precise proposals can be perhaps put in the white papers (there is more room to be future looking)

**Russell Reinsch (to Everyone)**: 3:05 PM: Ann: more about context. Tim: recommend ground the discourse.

**David W. Boyd (to Everyone)**: 3:05 PM: Got to run folks. Talk later