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

**NBD-PWD-2016/M0574**

Source:    NBD-PWG

Status:     Draft

Title:        NBD-PWG Meeting Agenda for Nov. 1, 2016

Author:   NBD-PWG Subgroup Co-Chairs

 Meeting logistics

Date/time: Nov. 1, 1:00PM – 3:00PM EDT

Web conferencing tool: <https://global.gotomeeting.com/join/790820565>

Audio: Use your microphone and speakers (VoIP) - a headset is recommended, or, call in using your telephone (US, long distance): +1 (646) 749-3122, access code/meeting ID: 790-820-565

**Agenda**

1. NBD-PWG Work plan and schedule (see schedule below) – Wo
2. NBDIF Version 2 document approaches (use same style and format):
   1. YES: Replacement of Version 1 (enhance existing content plus new topics), or
   2. ~~Extension to Version 1 (summary from Version 1 with new topics)~~
3. NBDIF Version 2 for all volumes – review and finalize document content

(Prioritize V2 topics given March 30/31 workshop timeline; place rest of topics as future items)

1. Vol. 1 Definitions – Nancy

<https://docs.google.com/document/d/1kMu-EuFsJI6REnpNqshklvdoL4YLPAOy_sHCmvfNprc/edit?usp=sharing>

New topics:

* Cloud
* IoT
* Embedded Computing – Cyber Physical Systems
* Mobile, Edge, Fog, and Cloud Computing
* Others…

1. Vol. 2 Taxonomies – Nancy

<https://docs.google.com/document/d/1G8JTbcUwYE7uN82-TYYMfbDwJxCheooMsfktelXTWIc/edit?usp=sharing>

New topics:

* Data taxonomies
* Mapping Big Data taxonomies to cloud, IoT, CPS, etc.
* Others..

1. Vol. 3 Use Cases & Requirements – Geoffrey & Piyush

<https://docs.google.com/document/d/1SRaRPh_hOO_mYLy8qtG-kmsckbAhNIXnbGJ0SJBR6HU/edit?usp=sharing>

New topics:

* New use cases (if any)

1. Vol 4 Security & Privacy – Arnab & Mark

<Vol. 4 Security & Privacy – forth coming> <- Today’s discussion

New topics:

* SnP Cryptographic Technologies for Data Transformations, Arnab

<https://docs.google.com/document/d/1r3l75i-33leA8--qTE-QZfI0ruJKB7kwmcCwuQ_6HA8/edit?usp=sharing>

1. Vol. 6 Reference Architecture – David

<https://docs.google.com/document/d/1Tol4tKxo-xugIjVyjfm9GSJpbNRFB3AFXQ4unKJjW0w/edit?usp=sharing>

New topics:

* RA Multiple Views
* Others…

PPT diagrams

<https://docs.google.com/presentation/d/1CXRUgjoe5PaU-vNk8-aESBuHwGwS6lD_iLKd6lrIa3c/edit?usp=sharing>

1. Vol. 7 Standards Roadmap – Russell <- Today’s discussion

<https://docs.google.com/document/d/1glX0vwWLgxcpxf_E60t0FGrOcoD3c9h5O7DIDJTp8Ng/edit?usp=sharing>

New topics:

* Adoption
* Maturity
* Others…

Note: we may want to look at the ISO/IEC JTC 1/WG 9 Study Group Report to see how to expand them (<http://www.iso.org/iso/big_data_report-jtc1.pdf> ) under:

Section 6 on Potential gaps in standardization

Annex A on Mapping table between SCs and Big Data issues

1. White Paper Template – Wo

<https://docs.google.com/document/d/1KZnmbmz9DUKFlhSQ0TpZai0Bs_mWRL4rY_kmVcYf48E/edit?usp=sharing>

Implementation environment

* 1. CloudMesh – any updates?, Gregor
     1. we implemented improvement to launcher scripts and have now a hadoop command than can deploy Hadoop
     2. I developed dockefile for cloudmesh as this will be important for the interface analysis and being able to run easily cloudmesh on windows (we have not yet worked on using, but only on installing)
     3. Chameleon cloud: if somone wants to use chameleon cloud, please send me your usernames form chameleon, i can than add to my account. note that chameleon resources are limited and you need to shout down your vms after you finish working with them. If you need long running vms, than you should use AWS.
  2. Others…

1. White Papers status (have to be at system to system level) – Wo
   1. Big Data Implication – any updates?, Ann <- wrap-up this discussion
   2. Privacy – any updates?, Cavan
   3. Others???
2. Brainstorm March workshop invite speakers

(Very limited: workshop should focus more on the V2 discussion.

Invite speakers should focus vision of BD ecosystems and how data scientists can benefit)

**2017 NBD-PWG Work Plan (draft)**

|  |  |
| --- | --- |
| **Date** | **Tasks** |
| 10/04 –  11/30 | * Get Use Case & White Paper templates ready on SharePoint * Explore white paper implementation environment: CloudMesh, Mesos/Kubernetes with Docker microservices, etc. * NBD-PWG public website online |
| 11/30 – 03/30 | * Solicit new use cases & white papers with implementation via SharePoint (on-going) |
| 10/04 – 03/30 | * NBD-PWG Version 2 development (ongoing) |
| 03/30 – 03/31 | * NBD-PWG workshop (high-level program)   Day-1 (whole day)   * + Subgroup co-chairs V2 presentation   + White paper implementation lightning talk   + Breakouts for detail discussion   + Brief report back   Day-2 (AM)   * + Subgroup co-chairs V2 feedback presentation   + Action items and work plan |
| 03/31 – 04/30 | * Integrate workshop feedback into V2 |
| 05/01 – 06/15 | * V2 for public comments (45 days) |
| 06/15 –  07/30 | * Dispose public comments and get V2 draft for NIST review |
| 05/01 –  09/15 | * Fine-tune and more test on white paper implementation before making them available to public |
| 08/01 – 09/15 | * NIST internal review |
| 10/02 | * NBDIF Version 3 – Validation on interface ☺ | ☹ |