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

**NBD-PWD-2017/M0590**

Source:    NBD-PWG

Status:     Draft

Title:        NBD-PWG Meeting Agenda for Jan. 10, 2017

Author:   NBD-PWG Subgroup Co-Chairs

 Meeting logistics

Date/time: Jan. 10, 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. Introduce new comers (if any)
2. Go over March 30 & 31 Preliminary Program Schedule – Wo

(Detail draft program agenda including proposed schedules and speakers)

* 1. Day-1 includes
     1. AM: keynote speaker
     2. AM: NBD0PWG subgroup co-chairs presentations
     3. AM: white papers presentations
     4. PM: breakout groups
     5. PM: a set of speakers to talk about challenges from Big Data applications development perspective – how standard reference architecture (ecosystem) can help
  2. Day-2 includes

1. AM: keynote speaker
2. AM: a set of speakers to talk about challenges from Big Data analytics processing perspective – what standards can help
3. AM: Breakout reports (from Day-1)
4. AM: Next step (tasks + schedules), few Q/As
5. March 30 & 31 Workshop for Version 2: plan and schedule – Wo
   1. Jan. 3: Final review NBDIF Version 2: Table of Content outline and proposed content
6. Vol. 1 – BD Definitions – Nancy
7. Vol. 2 – BD Taxonomies – Nancy
8. Vol. 3 – BD Use Cases & Requirements – Geoffrey & Piyush
9. Vol. 4 – BD Security & Privacy – Arnab & Mark
10. Vol. 5 – BD White Paper Survey (no further work)
11. Vol. 6 – BD Reference Architecture – Dave
12. Vol. 7 – BD Standards Roadmap – Russell
13. Vol. 8 – BD Interfaces (new) – Gregor von Laszewski
14. Vol. 9 – BD Adoption & Deployment (new) – Russell
    1. Jan. 10: Make March 30 & 31 workshop announcement to public
15. Send invite with workshop announcement
16. Make all Version 2 draft documents online (hope our portal is back)
    1. Jan. 30: SharePoint Use Case Template V2 & White Paper Template available online
17. Invite and collect new use cases with additional questions on security & privacy
18. Invite and collect new white papers with implementations
19. Welcome feedback on templates improvement (ongoing)
    1. Before workshop:
20. Make use of CloudMesh (others are welcome) as a tool to study RA interface
21. Package (if possible) CloudMesh as an instance development environment for white paper implementation
    1. Version 2 documents timeline
22. 03/17: make V2 documents available for public review before workshop
23. 03/30&31: discuss and collect V2 comments
24. 04/01 – 06/14: resolve all comments and edits
25. 06/15: make available for public comments for 45 days
26. 08/01-09/30: NBD-PWG reviews and edits
27. 10/01-10/30: NIST internal review
28. 11/01: release to public
    1. Software Tools and White Papers – make them available
29. All white papers along with implementation codes will go through NIST internal review before publication
30. All software tools ???
    1. Others…
31. NBDIF Version 2 for all volumes – Subgroup Co-Chairs Progress Report:

(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>

New topics:

* SnP Cryptographic Technologies for Data Transformations (Dec. 13), Arnab

https://docs.google.com/document/d/132fwHmO7e0y6UmtS\_M\_vP68ERg4Rpfbp\_IOYlmKnIfQ/edit?usp=sharing

* SP1500-4 Safety Levels Spreadsheet, Mark

<https://drive.google.com/file/d/0BzQlzFarkgmGMm9JbkY5Z1JmV2c/view?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 (newer version from Russell) – Russell

<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. Vol. 8: RA Interface – Gregor + team
2. Vol. 9: Adoption & Deployment – Russell
   1. Adoption, Maturity, Implementation, Deployment, etc.