**NIST Big Data Working Group (NBD-WD)**

**NBD-WD-2013/M0018**

|  |  |
| --- | --- |
| **Source:** | Definitions and Taxonomies Subgroup |
| **Status:** | Draft |
| **Title:** | Definitions and Taxonomies Subgroup Charter |
| **Date:** | August 21, 2013 |
| **Author(s):** | Nance Grady (SAIC), Natasha Balac (SDSC), Eugene Luster (R2AD) |

**CHARTER for**

**Definitions and Taxonomies Subgroup of**

**NIST Big Data Working Group (NBD-WG)**

**Background**

NIST is leading the development of a **Big Data Technology Roadmap.** This roadmap will define and prioritize requirements for *interoperability*, *portability*, *reusability*, and *extensibility* for big data analytic techniques and technology infrastructure in order to support secure and effective adoption of Big Data. To help develop the ideas in the **Big Data Technology Roadmap**, NIST is creating the Public Working Group for Big Data.

The focus of the NIST Big Data Public Working Group (NBD-PWG) is to form a community of interest from industry, academia, and government, with the goal of developing a consensus definitions, taxonomies, reference architectures, and technology roadmap. The aim is to create vendor-neutral, technology and infrastructure agnostic deliverables to enable Big Data stakeholders to pick-and-choose best analytics tools for their processing and visualization requirements on the most suitable computing platform and cluster while allowing value-added from Big Data service providers.

**Scope**

The focus of the NBD-PWG Definitions and Taxonomies Subgroup is to gain a better understanding of the principles of Big Data. It is important to develop a consensus-based common language and vocabulary terms used in Big Data across stakeholders from industry, academia, and government. In addition, it is also critical to identify essential actors with roles and responsibility, and subdivide them into components and sub-components on how they interact/relate with each other according to their similarities and differences.

**Tasks**

* For Definitions: Compile terms used from all stakeholders regarding the meaning of Big Data from various standard bodies, domain applications, and diversified operational environments.
* For Taxonomies: Identify key actors with their roles and responsibilities from all stakeholders, categorize them into components and subcomponents based on their similarities and differences
* Develop Big Data Definitions and taxonomies documents

**Deliverables**

1. Produce a working draft for Big Data Definitions Document
2. Produce a working draft Big Data Taxonomies Document

**Target Date**

The goal for completion of INITIAL DRAFTs is Friday, September 27, 2013. Further milestones will be developed once the WG has initiated its regular meetings.

**Co-Chairs**

Nance Grady (Lead), SAIC

Natasha Balac, SDSC

Eugene Luster, R2AD

**Meeting Frequency**

It is anticipated that there will be weekly 2-hour meetings by telecon on Mondays from 11:00AM -1:00PM ET.

**Membership**

Participation in the WG and Subgroups are open to all interested parties. There are no membership fees.

**Coordination/Interaction**

This Subgroup will work closely with NBD-WG and with other big data related standards and best practices from industry, academia, and government.

**Standing Rules**

All information exchanged within the WG/Subgroup will be non-proprietary.

All information exchanged within the WG/Subgroup will contain non-PII materials.

WG/Subgroup members should assume that all materials exchanged will be made public.

Documents will be publicly accessible on the NIST Big Data Portal.

**Outreach**

WG results will be available to all stakeholders in the commercial, academic, and government sectors.