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

**NBD-WD-2013/M0019**

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| **Source:** | Security and Privacy Subgroup |
| **Status:** | Draft |
| **Title:** | Security and Privacy Subgroup Charter |
| **Date:** | August 21, 2013 |
| **Author(s):** | Arnab Roy (Fujitsu), Nancy Landreville (University of Maryland), Akhil Manchanda (GE) |

**CHARTER for**

**Security and Privacy 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 Security and Privacy Subgroup is to form a community of interest from industry, academia, and government, with the goal of developing a consensus secure reference architecture to handle security and privacy issues across all stakeholders. This includes gaining an understanding of what standards are available or under development, as well as identifies which key organizations are working on these standards.

**Tasks**

* Gather input from all stakeholders regarding security and privacy concerns in Big Data processing, storage, and services.
* Analyze/prioritize a list of challenging security and privacy requirements that may delay or prevent adoption of Big Data deployment
* Develop a Security and Privacy Reference Architecture that supplements the general Big Data Reference Architecture

**Deliverables**

1. Produce a working draft for Big Data Security and Privacy Requirements Document
2. Produce a working draft Big Data Security and Privacy Reference Architecture

**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**

Arnab Roy (Lead), CSA -Fujitsu

Nancy Landreville, University of Maryland

Akhil Manchanda, GE

**Meeting Frequency**

It is anticipated that there will be weekly 2-hour meetings by telecon on Wednesdays 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.