

Best Practice Forum (BPF) 2018 on Big Data Analysis in Distributed Cloud Environment

Co-Facilitator

- i) Sumon Ahmed Sabir, MAG Member
- ii) Any willing MAG Member
- iii) Any Expert in the relevant field

Background

Big Data, Data Analysis, Distributed Cloud and Cloud Environment, these four topics are almost acting as commercial buzz words in recent couple of years. BPF proposal on Big Data Analysis in Distributed Cloud Environment is specifically targeting a study group environment where IGF may discuss on these buzz words holistically and thereafter the output of this process will result in the development of a document on the topic. Which may help to take maximum advantages of the technologies and to avoid any misuse that may be harmful to person, society or nations.

The proposed BPF is very much relevant with these days' multistakeholder IGF discussions. The internet community i.e. ICANN, RIRs, IETF, ITU, etc. organizations are already in discussion with individual components of this proposed BPF in their own community discussions.

Description

The BPF on Big Data Analysis in Distributed Cloud Environment may started off with discussions enabling participants to understand the wider context of the word 'big Data', 'data analysis', 'distributed cloud' and 'cloud environment' for each stakeholder group. The focus group discussion need to come up with the followings:

- Identify the communications mechanisms between stakeholder groups to discuss the issues;
- Understand the typical roles and responsibilities of each group in making sure the big data analysis with machine and software level management in cloud services are having smoother real life transition from classical way of availing and delivering services.
- Ensuring the environment under discussing in a secure and safe place, where both classical and cloud service can coexist and complement each other for the benefit of the users;
- Identify common problem areas in cooperation, and good best practices for doing so.

This BPF may be naturally clubbed together with Artificial Intelligence (AI) as data analytics are not a hand counted manual job any more as well as cloud services are using many kinds of AI based marketing tools i.e. ad-sense, customized e-mail and social media based promotional activities. The use of AI along with cloud / social media services may go in the level of conspiracy to election rigging, what we have experienced with Facebook and Cambridge Analytica regarding US Presidential Election.

Moreover, AI based data analysis based on specific ethnic group / animal species / location / country can be either used for noble prize winning achievements or used for mass killing / genocide kinds of black chapters in history as well. That is why this proposed BPF along with the potentiality of AI is believed to be next big thing should be discussed in IGF.

Sustainable Development Goal

Sustainable Development Goal (SDG) adopted by United Nations and perused by individual economies are also correlated with the proposed topic of this BPF. The overall internet governance and ICT initiatives from IGF should support the achievement of the SDGs. The BPF is also required to look at the roles and responsibilities of the different stakeholder groups, and aimed to identify options for policy mitigations and if possible to have a global common policy recommendation as outcome of the BPF that could help ensure that the next billion(s) users can be connected in a safe and reliable manner and fully benefit from existing and future technologies.

Horizontal Area of Focus Discussion

While the BPF discusses and decides on the above mentioned issues, what may be generally considered as vertical area of focus discussion, we also have to ensure that each vertical steps are considering the followings:

- National Data
- Governmental Data
- Enterprise Data
- Personal Data
- Financial / Business Data
- Data Type (based on above classification there may be Open / Classified type of data as well)
- Ownership of Data
- Right of Access to Other's Data
- Right of Share of Other's Data
- Possessing and/or Managing Other's Data

Complexity and Timeliness

As the data analytics requires, in cases, the data in plain text format that's why analyzing and thereafter usage / preservation of the data turned in to information is very critical, which again involves the abovementioned horizontal area of focus. However, the things are getting far complexed when the data analysis / information are used for cloud services, where there are multi fold of usage and users of those analysis / information in usually are handled by commercial business models. BPF also have to consider the distributed cloud environment when the information is simultaneously in multi-level of commercial cloud service with distributed cloud architecture. Just like crypto-currency demanding special attention from the economies.

This proposed BPF on Big Data Analysis in Distributed Cloud Environment is particularly very important to mutually discuss in a multi-stakeholder platform regarding the distributed cloud environment services where data analysis are used. Because, block-chain alike services and

products will start flooding our world sooner than we are expecting. Service like Uber, AirBnb, NetFlix also creating regulatory concerns throughout the globe.

Outreach Plan and Multi-Stakeholder Engagement

The proposed BPF is covering such an interesting spectrum of new and upcoming horizon of internet technology as well as potential change in lifestyle, it's easily assumed that the IGF community will be really interested to brainstorm on this topic. It is also understood that cloud service providers e.g. Cloud Flair, Amazon, Google, etc. will be an interested party in the discussion. Apart from service providers, user groups like government, law enforcement agency, financial and stock market related affiliates as well as AI based online marketers and promoters will be potential parties to take part in the discussion. Moreover, other internet communities like ICANN, RIRs, NOGs, etc. will be interested to participate.

As a practical outreach plan this BPF may try to make sure that all the above mentioned groups are taking part in the discussion. Moreover, as intended, if this BPF may successfully come up with a global common policy recommendation as outcome, that outcome making process itself will outreach lot of new stakeholders.