BigDataStack
Holistic stack for big data applications and operations

Consortium Meeting

Milan, Italy

27-29.01.2020

DATE PUBLISHED	09.01.20
HOST	Maurizio Megliola (GFT)
REPORTER	Session leaders
REQUIRED ATTENDEES	• One representative per partner • WP Leaders
ADDITIONAL ATTENDEES	
VERSION	1.0

Meeting Preparation

OBJECTIVES

1) **Detail work items and clarify open points towards the final year of the project:** As the project progresses, the main goal of the meeting is to detail the work items and clarify any open points given the scope of the last year of the project and the final review demonstrations.

2) **Proceed with development and integration work towards BigDataStack v2.0:** The goal is to have some hands-on sessions between partners in order to actually progress with the integration aspects.

3) **Analyse use cases:** Analysis of use cases in terms of functionality and utilization of project outcomes, with an emphasis on what will be demonstrated in the final review.

4) **Update action plan:** Based on the integration progress and the last year goals, we will map action items to partners in order to achieve the objectives set for the final period of the project.

5) **Plan the dissemination and exploitation activities:** Emphasis will also be put on the planning, analysis of focus and specific activities towards dissemination and exploitation.

PARTNERS PREPARATION

1) **@ALL:** Prepare a short presentation with the progress so far, the next work items, the points that need to be clarified and the dependencies.

2) **@WP Leaders:** Present for your WP the technical approach that has been decided, what has been achieved, open points, blocking elements, key dependencies, etc. Please also provide information about implementation and integration. The agenda proposes specific elements to be covered by the **Task leaders.** Key aspect in this meeting is to focus on aspects related to implementation, integration and demonstration of functionalities.

3) **@Use Case Partners:** Prepare a storyboard with your scenarios (5 slides max). Tell us what will be demonstrated and how as well as what is the difference comparing to M18. Emphasize on what is already implemented, the datasets already available, the datasets to be made available in the next months, etc.

MEETING FORMAT

1) Day 1 will focus on technical aspects covering the WPs.

2) Day 2 will focus on use cases analysis and discussions around cross cutting aspects. **Important note: For cross-cutting aspects** everyone is expected to contribute but leaders and active contributors are also expected to prepare some slides with their views / suggestions.

3) Day 3 will focus on cross-cutting aspects, while dissemination, exploitation and administrative items and planning will also be covered.

REMOTE PARTICIPATION

Remote participation will be checked with GFT representatives. If required please email Maurizio (maurizio.megliola@gft.com) and Dimos (dimos@unipi.gr).

Agenda

MONDAY 27 JANUARY 2020

08.30	Coffee and set-up
09.00	**Welcome**
09.10	***Outline – project perspective (IBM)***
09.20	***Outline – technical perspective (UPRC)***
09.40	**Partners progress overview** *Proposal:* *All partners outlining through a short presentation the progress of their work items as well as the plans for the next period – 5 minutes per partner.*
10.30	Coffee break
10.45	**WP4 - Data as a Service: Data Path Services** *Proposals:* *IBM presenting current status of WP4 including implementation status, dependencies, inputs / outputs per component, integration status, progress towards BigDataStack release v2.0, plans for next 3 months. Topics to be covered (and presented by their corresponding leaders):* - *Data cleaning (UPRC)* - *Data skipping (IBM)* - *Seamless analytics framework (LXS, IBM)* - *Adaptable Distributed Storage (LXS)* - *CEP (UPM)* - *Predictive analytics – CEP/LXS (UPM)* - *Process mining (UPRC)* - *Catalogue of analytics (UPRC regarding the descriptors, UPM regarding the datastore for the descriptors)*
12.45	Lunch break
13.45	**WP5 - Programming, Modelling and Interaction Services** *Proposals:* *ATC presenting current status of WP5 including implementation status, dependencies, inputs / outputs per component, integration status, progress towards BigDataStack release v2.0, plans for next 3 months. Topics to be covered (and presented by their corresponding leaders):* - *Process modelling (ATC)* - *Catalogue of process analytics (UPM)* - *Process mapping (UPRC)* - *Data Toolkit (UBI)* - *Application dimensioning (UPRC)* - *Visualizations (ATC)*
15.45	Coffee break
16.00	**WP3 - Data-driven Infrastructure Management** *Proposals:* *ATOS presenting current status of WP3 including implementation status, dependencies, inputs / outputs per component, integration status, progress towards BigDataStack release v2.0, plans for next 3 months. Topics to be covered (and presented by their corresponding leaders):* - *Cluster management (RHT)* - *Deployment (GLA, NEC)* - *QoS evaluation and monitoring (ATOS, UPRC)* - *Orchestration (ATOS, GLA, NEC)* - *Data-driven networking (UBI)*

18.00	**Day 1 Wrap-up (UPRC / IBM), Day 1 Closure**
20.00	Social event

TUESDAY 28 JANUARY 2020	
08.30	Coffee and set-up
09.00	**DANAOS Use Case** *Proposal:* *DANAOS presenting the final Use Case scenario that will be demonstrated in the final review, the application / scenario implemented components, the final datasets, and the sequence of activities of using BigDataStack capabilities. DANAOS also presenting a specific concrete scenario – step by step.*
10.00	**ATOS Use Case** *Proposal:* *ATOS presenting the final Use Case scenario that will be demonstrated in the final review, the application / scenario implemented components, the final datasets, and the sequence of activities of using BigDataStack capabilities. DANAOS also presenting a specific concrete scenario – step by step.*
11.00	Coffee break
11.15	**GFT Use Case** *Proposal:* *GFT presenting the final Use Case scenario that will be demonstrated in the final review, the application / scenario implemented components, the final datasets, and the sequence of activities of using BigDataStack capabilities. DANAOS also presenting a specific concrete scenario – step by step.*
12.15	**Cross-cutting technical session: End-to-end scalability** *Including aspects related to process mapping, dimensioning, deployment patterns, resources provisioning, QoS evaluation and adaptation. Proposal to be led by ATOS with active contributions from UPRC (monitoring), LXS (data store scalability decisions), GLA (new deployment patterns) and NEC (dynamic orchestration)*
13.30	Lunch break

14.30	**Cross-cutting technical session: Cost management** *Including aspects related to process mapping, dimensioning, deployment patterns, resources provisioning, QoS evaluation and adaptation. Proposal to be led by UPRC with active contributions from ATOS, ATC, and GLA*	**Cross-cutting technical session: WP3 & WP4 integration** *Including aspects related to the integration between WP3 and WP4. Proposal to be led by ATOS with active contributions from LXS, UPM, NEC, UBI, SILO, RedHat and IBM*
16.00	Coffee break	
16.15	**Cross-cutting technical session: WP4 & Use cases** *Including aspects related to data ingest, usage of different data stores, frameworks used for analytics, etc. Proposal to be led by IBM with active contributions from LXS, UPM, ATOS-WL, DANAOS and GFT*	**Cross-cutting technical session: WP3 & WP5 integration** *Including aspects related to the integration between WP3 and WP4. Proposal to be led by ATOS with active contributions from ATC, NEC, UBI, SILO, GLA, RHT and UPRC*
17.30	**Day 2 Wrap-up (UPRC / IBM), Day 2 Closure**	

WEDNESDAY 29 JANUARY 2020		
08.30	Coffee and set-up	
09.00	**Cross-cutting technical session: WP5, WP3 & Use cases** *Including aspects related to use cases processes, planning and dimensioning, as well as use cases services to be deployed and managed by WP3. Proposal to be led by ATC with active contributions from UBI (toolkit), UPRC (process mapping and dimensioning), GLA (deployment), NEC (orchestration), RedHat (resource provisioning), ATOS (QoS evaluation / adaptations), and all Use Cases partners (ATOS-WL, DANAOS, GFT)*	
10.00	**WP7 hands-on session proposal** *Based on the following slots*	
	Overview progress WP7 and purpose hands-on session	Trust-IT (Marieke Willems)

10.10	Hands-on session
	• Exploitation
	   ○ Individual components
	   ○ BigDataStack solution
	• Adoption roadmap
	   ○ Identify the value adds for adopters
	   ○ Identify the barriers & enablers for adoption
	   ○ Free trials - user experiences
		ATOS (Ana Belén Gonzalez), ALL

10.40	Hands-on session open source contributions: • Identification of engaged open source communities per component • Finalise identification in Milan and define next steps • Maintenance? **Preparation:** https://docs.google.com/spreadsheets/d/1siis4I2fgNgEh5WRoGROp_xPpzToYdxvnWBWWpagIZU/edit?usp=sharing	RedHat (Luis Tomas)
11.10	Coffee break	
11.25	Hands-on session Dissemination • What do you need from WP7 to increase awareness on your results? • What does WP7 need from you for dissemination & stakeholder engagement of BigDataStack results and use-cases? • Workshops & demos': on- & offline	Trust-IT (Marieke Willems), ALL
11.55	Reporting back and next steps	WP7 task leads (Ana-Belén, Luis and Marieke)
12.10	**Project Coordination / Administration (IBM)**	
12.30	Lunch break	
13.30	**Planning for development, integration & demonstrators for the final review** *Proposals:* *UPRC introducing what is expected in terms of development & demonstrations.* *Caretakers of integration sessions reporting what can be demonstrated* **Discussion will take place on scenarios, roles, live demos, and setup.**	
14.30	**Integration workshop**	
16.30	Coffee break	
16.45	**Action Items, Planning (UPRC / IBM)**	
17:15	**Meeting Closure**	