Recipe booklet – MongoCloud v 0.2	IT project **E**uropean **S**ecured **D**atabase Semester 5 Systems and networks

E.S.D offers to host your consent data in Europe.

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Date of release	Edited by	Title Title
17/12/2018	Vincent DELTEL	Initial document

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1. Object

This document constitutes the Customer Recipe Book of the POC MongoCloud version 0.2 resulting from the European Secured Database project.

Field of application: POC for Agilitation to validate the feasibility of an API for storing data related to the General Data Protection Regulations.

Reference document:

- Feasibility studies
- Functional specifications
- Project Charter
- Minutes of the meeting
- Weekly report
- Presentation of the preliminary project

2. Introduction

The purpose of this document is to present the results of the MongoCloud project to the client. It is divided into 2 distinct parts :

- Verification of the presence of all requested project documentation (content review on request)
- Verification of the product functionalities separated into user stories provided in the product backlog.

3. Recipe operation

The final recipe for the product was based on …………, in the premises of INTECH Sud Agen the 20 december 2018, in the presence of :

- M. Vincent DELTEL	Systems and networks student	Scrum master
- M. Florian PITANCE	Systems and networks teacher	Follower
- M. Romain BESSUGES-MEUSY	Founder, CEO, CTO Agilitation	Product Owner

The minimum equipment required for the successful completion of the recipe is a computer, a video projector and the server hosting the project on the same local network.

3.1 Verification of documentation:

Check the existence of the following documents:

DOCUMENTS	RESULT (OK-NOK)
Feasibility studies	
Functional specifications	
Project Charter	
Technical specifications	
Git Kraken Procedure	
User manual	
Github link to the project	
Meeting minutes/ weekly reports	

Observations :

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3.2 Product verification

Check the presence of the following elements:

PRODUCT COMPONENTS	RESULTAT (OK-NOK)
Dossier assets	
Dossier images – 1 fichier	
Dossier include – 1 fichier	
Dossier script – 5 fichiers	
create_instance.py	
Docker_allinone.sh	
id_rsa	
index.php	
master.sh	
part2.php	
part3.php	
part4.php	
vlan_creation.py	

3.2.1 User interface

The project must be hosted on a local server.

VERIFICATION TASK	RESULTAT (OK-NOK)
Access the local website according to the user manual.	

3.2.2 Product features and functions

Inputs

USER STORIES - VERIFICATION TASK	RESULTAT (OK-NOK)
Tom can fill in his secret keys	
Tom can select a project	
Tom can choose a name for his client	
Tom can choose the region where the data will be hosted	
Tom can choose the resources of the virtual machines to be created	
Tom can select the SSH key to use	

Outputs

	Verification action	RESULT (OK-NOK)
A vlan is created.	Visible dans l'interface client OVH	
A subnetwork is created.	Go to the following URL and enter the project name and network ID: https://api.ovh.com/console/#/cloud/project/%7BserviceName%7D/network/private/%7BnetworkId%7D#GET	
3 virtual machines are created.	Visible in the OVH client interface	
Each machine has a public interface and a private interface.	Visible by performing the "ip a" command on the machines.	
Les machines peuvent se contacter entre elles.	Ping between machines « example : ping 192.168.1.4 »	

The machines are accessible from a public ip.	Make an ssh connection using the command « ssh –i /id_rsa debian@ippublique	
Docker is deployed on each machine	Perform the command "su docker" then "docker ps" on the target machine.	7
MongoDB is deployed on each machine	Make the order Mongo --host@ippublique	

A replica set is created between the machines	Make the order--host@ippublique on the first machine created
	Use agilitation ;
	Show collection;
	db.CreateCollection(« mabase ») ;
	db.mabase.insert({"Nom": "Prenom"});
	exit ;
	
	Connecting to a machine a secondary machine
	mongo --host@ippublique2
	db.getMongo().setSlaveOk(true);
	show dbs;
	use agilitation;
	show collections;
	db.mabase.find();
	
	This returns the following document: ({"Nom": "Prenom"})
	Synchronization between the machines is active.	

3.2.3 Further tests:

The customer may carry out during the session any additional tests he deems necessary, after carrying out the above performance tests.

4. Client's decision

MongoCloud v 0.2
☐ Validated without remarks   ☐ Validated with minor remark(s)   ☐ Refused
CUSTOMER'S JUSTIFICATION IN CASE OF REFUSAL :
CUSTOMER COMMENTS :
DATE : **Customer Signature:**   **Signatures Project Team:**

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