# 

# Big Data 4 All

# Software & Hardware

# requirements

# Seiji SCHOCH

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# Purpose

This present document describes the minimal hardware and software requirements to join the Big Data 4 All project. This document relies heavily on the Apache Ambari documentation found [here](https://docs.hortonworks.com/HDPDocuments/Ambari-2.7.1.0/bk_ambari-installation/content/ch_Getting_Ready.html).

# Technical Stack

We will be using the Hortonworks distribution of Hadoop : [HDP](https://fr.hortonworks.com/products/data-platforms/hdp/)

As of today, we will use HDP 3.0

# Hardware requirements

The condition to join the project is to contribute a dedicate server with at least 4 cores, 16Go RAM and 1To HDD. Kimsufi provides such servers for a low cost [here](https://www.kimsufi.com/fr/serveurs.xml). We suggest one of the three following offers : KS-10, KS-11 or KS-12.

# Software requirements

### Operating system

You are required to have a CentOS 7 distribution running on the server. We have chosen to limit the OS choice to avoid the complexity of having a multi-OS cluster.

### Software

You will need to install the following software on your server :

