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# REQUIREMENTS

## 1. STACK

The demo must have the following Stack components

### 1.1. Apache Spark

The Apache Spark engine must be installed, configurable and fully operational.

### 1.2. Scala

The Scala run-time must be installed and fully operational.

The main logic of the demo app must be implemented with the Scala language.

### 1.3. Python

The demo must have a small bunch of Python code.

## 2. RELIABILITY AND STABILITY

### 2.1. Logging

The console app should demonstrate proper logging to STDOUT and file

## 3. PERFORMANCE

## 4. SCALABILITY

### 4.1. Feature scalability

The app should be written so that new features could be added easily.