Experiment 77

EXolotl MÜÜSKE, Jeff BRAINOZ

February 2104

1 Context and objectives

This experiment aims to convert a human SOUL into computer data. We asked 10 people to be our test subjects, they agreed the terms and conditions of the experiment. They are aware of the dangers of the experiment.

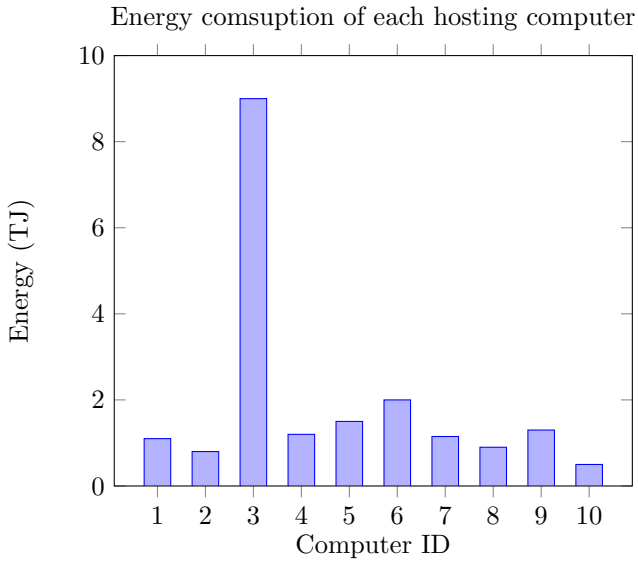
1.1 A quick recap of the theory behind the extraction

We have at our disposal a set of 10 SOULs, S_i, which have D_i bytes of data to translate to computer data. We arrived at the following result during experiments 1 to 9 :

$$\forall i \in [1, 10], \quad 10^{15} < D_i < 10^{18}$$

This represents a large ammount of data, and thus we need to find a strategy to manage it. The way we want to proceed is to store all the useless data computer-wise (e-g memories, personality...) in the SOUL itself. We need to select which data needs to be stored on the computer itself, this is exactly what we're experimenting since experiment 65. The procedure to determine which data needs to be stored is kind of destructive :

1. Split the SOUL data D_i into several subpieces d_{ij}, where each piece corresponds to a specific part of the data
2. Store each piece on several servers. With our current storage technologies, you should expect $d_ij < 10^{12}$ (if the storage capacity of the server isn't sufficient, the fragment will shatter)
3. Check the energy comsuption of each computer. You should notice excessive rates for one computer. You should end up with a graph looking like this :



Note : this graph is an example, but your number of computers should be around 1000

4. The server with high energy peak contains the main SOUL fragment. It contains the subject's essence, and is the fragment that should contain all the computer-wise useful data. If it doesn't, it will soon enough shatter, which would result in every other fragment shattering instantly. If it happens, all energy consumption should reach 0, the subject is dead.

Actually, we gathered some data type that is necessary for the main fragment to contain :

- Personality
- Emotions
- Consciousness

Some data types revealed useless computer-wise are : memories, education, physical body caracteristics. Though, we need to include education in the main fragment in order to be able to communicate with the test subject through the experiment. Currently, the main fragment data size d_{i1} weights around $10^1 1$ bytes (the weight of the overall SOUL comes mainly from momories, but thankfully we can split this fragment into subfragments).

When we will be able to store a SOUL safely in a computer (e-g when we find all of the data necessary for the main fragment to have), we'll search how the main fragment can recover the other fragments. That's the next step.

1.2 Protocol for experiment 77

For all the SOULs, we'll have the main fragment containing the personality, emotions, consciousness and education. The fragment should weight between 10^{11} and 10^{12} bytes. Then , we'll test different splitting for the remaining fragments. We'll note d_{ij}^{memory} the j fragments of the SOUL i containing memories data type, $d_{ij}^{remaining}$ the remaining fragments, N_i^{memory} the number of fragments of data type memories, and $N_i^{remaining}$ the number of fragments of the remaining part. For this experiment, we'll study memory splitting, with the remaining data stored in one fragment (which would have a size of 10^{10} bytes. We'll proceed to the following split for each SOUL

$$\forall i \in [1, 10], \quad N_i^{memory} = 2^i, \quad d_{ij}^{memory} = \frac{d_i^{memory}}{N_i^{memory}} \, \forall j \in [1, N_i^{memomy}]$$

In order to recognize the data type of a fragment during the SOUL extraction, we need to check for the instant power required for the extraction. We use the following data (provided by experiments 40 to 49) :

- Personality : $P = \mathcal{O}(10^6)\, W$
- Emotions : $P = \mathcal{O}(10^3)\, W$
- Consciousness : $P = \mathcal{O}(10^9)\, W$
- Memory : $P = \mathcal{O}(10^{11})\, W$
- Body caracteristic : $P = \mathcal{O}(10^1)\, W$
- Education : $P = \mathcal{O}(10^4)\, W$
- Unassigned types : $0 < P < 10^2$

Here's an exemple of a graph we can obtain (in real time) during the extraction

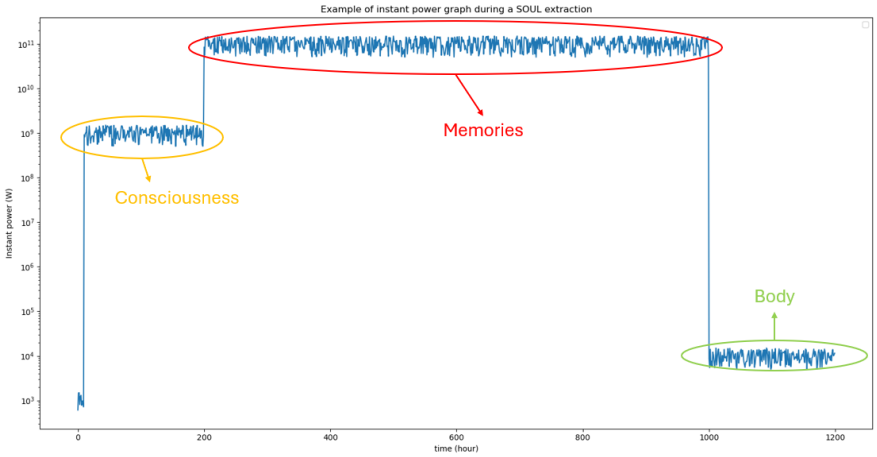


Figure 1: Example graph of instant power during the extraction

Note : the process of fragmentation is automated before the experiment (e-g the redirection of data towards other servers)

Then, if the SOUL doesn't shatter during or after the extraction, we tell the subject to recollect the spread fragments. Because the process is automated (for consistency of extraction, which ensures the SOUL doesn't shatter), we can't know where the fragments are located. This means the SOUL will have to naviguate between computers to collect these itself.

2 Experiment results

2.1 SOUL 1 : Chara TALE

This attempt is a failure because one server didn't have enough memory : the main fragment shattered during consciousness extraction.

2.2 SOUL 2 : Madeline SUMMIT

The SOUL was extracted successfuly, but the subject panicked when she woke up in the computer, her excessive emotions weakened the SOUL, until it shattered.

⇒ This suggests that the SOUL is unstable until it recovers some or all its fragments.

2.3 SOUL 3 : Frisk TALE

This attempt is ongoing.