ZULF'S PRINCIPLE FOR EIGHT BILLION RECEIVER SERVICE

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In this note I want to emphasize something that is my idea and innovation in technology, and do not claim this idea was floating in the wild. No, it was not floating in the wild. It originated from the mind of Zulfikar Moinuddin Ahmed. It is Zulf's Principle of Eight Billion Receiver Service. It is not orthodox. It is not standard, and even after it becomes standard, it's Zulf's Principle, not yours.

Let's look at the cloud idea. Abstractly it might be whatever it is, but in reality, it is the idea that some technology companies can put together networks of crappy hardware and make good money on letting people use hardware rental for their jobs. You need a Ubuntu 20 machine with crappy hardware, EC2 will provide it for a small fee. That is established.

My Principle for Eight Billion Service is *never ever use any of these cloud services for eight billion service*. Instead, get harware clusters of *good servers of high end* in warehouse spaces with good high quality manager like Mesos with some extensions to finely hone the performance of service to billions with Nginx (not Apache) HTTP servers, professional quality cluster management, and Ph.D.s from Berkeley testing Mesos performance of several thousand high end nodes. Service to eight billion simultaneously should never ever be done with Amazon EC2 and commodity hardware. Those services are for smaller scale affairs.

Mesos is the top cluster manager that is tested, but there is not a lot of *experience* of thousands of nodes of high end servers managed by Mesos. So you need high end guys to get involved and tune Mesos.

And this is cost-effective because Amazon is a great company but will rape and plunder your budget if you are a sucker enough to use EC2 to serve billions. That's part of their job.

The people who are dealing with Psychology have a thousand things to worry about and want total ignorance of all the cluster manager and the service deployment hardware etc. They ought to only use Mesos and not know unnecessary junk and focus on the actual billions of people and whether they are actually having increase in life satisfaction or not. The entire technology infrastructure for them ought to be like the telephone. It should work and not fail. That's it. I want Thyself Inc. to be peopled by folks who are comfortable with Meteor code for some apps and psychology psychology and psychology at 8 billion scale. They should never have to even worry about any server failure etc. This is a waste of their time. This separation with Mesos is the key to massive success for Life Satisfaction. Otherwise it will be a failure. Psychology is not just hard but extremely opaque and unknown because vast measurements are new. Psychologists cannot be hamstrung and fall into lunch conversations about various hardware pipelining optimisations etc. They should be worried about why people are not improving life satisfaction. They should be quantitative about vast data about psychology, not web statistics

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and technology porn about how robot Maynoke will be serving the sexual pleasure of every pubescent boy or whatever. Martin Seligman, Rober Emmons, Melanie Hausler, Marie-Rose Degg, C. Ryff, and many other great positive psychologists have done great quantitative work that needs to be extended to understand and effectively increase life satisfaction for all human race. This is not a 'fluffy' subject. Life Satisfaction is barely understood with precision. We cannot afford for people working on improving people's lives over impersonal massive scale means to be distracted by all manner of technology trivia. I do respect technology and love it but positive psychology is much more serious subject that needs to be treated with extreme care because it is natural science, not creative engineering. Creative engineering can go off into deep space seventy seven without harm but psychology has to deal with nature and nature is harder.