Virtual Design Master - Challenge 1

We now must get ready to continue to deploy the newest version of the HumanityLink application. We know we want to spread our efforts out across the world as we begin the terraforming effort. Because most of our time have been spent preparing the earth for re-colonization, we are looking for your recommendations for building out the new version of the HumanityLink application. we have been so busy with this.

We are working on building an army of robots to carry out the terraforming efforts. These robots will be operated in shifts, to ensure there is a fleet running at all times. All robot maintenance is done while they are off shift. The new version of the HumanityLink application will add the features needed for the scheduling, operations, and maintenance of the robot fleet.

We need you to design and document a resilient 3-site architecture. We do not have limitations on hypervisor, hardware, networking stack, or applications. You will be working with many assumptions and will need to ensure your infrastructure design is able to handle the potential for unknown workloads (Hint: You should be able to scale your environment easily in any direction). Our primary concern is resiliency in as many layers as possible. The design and initial deployment will be on Earth and you can assume that Earth-like environmental conditions will be available wherever the design will be deployed.

Your design will need to clearly illustrate how you provide resiliency and be prepared to also defend how you made decisions on where your resiliency lies and what tradeoffs you have introduced when making those decisions.

The challenge submission will include your design and any supporting documentation that supports the design decisions. You have until Tuesday July 4th at midnight Eastern time to submit your designs and you will be defending those designs live on Thursday July 6th at 8 PM Eastern time right here from the Virtual Design Master live stream in front of our panel of judges.

Document submission is **due Tuesday July 4th at 12 Midnight Eastern Time**. Email the final design to eric@discoposse.com for review. PDF is preferred.

Good luck everyone!