

Moon shot Mission Update

March 2022

BevelCloud

Edge Zone contains many edge servers providing secure edge compute, storage and networking services



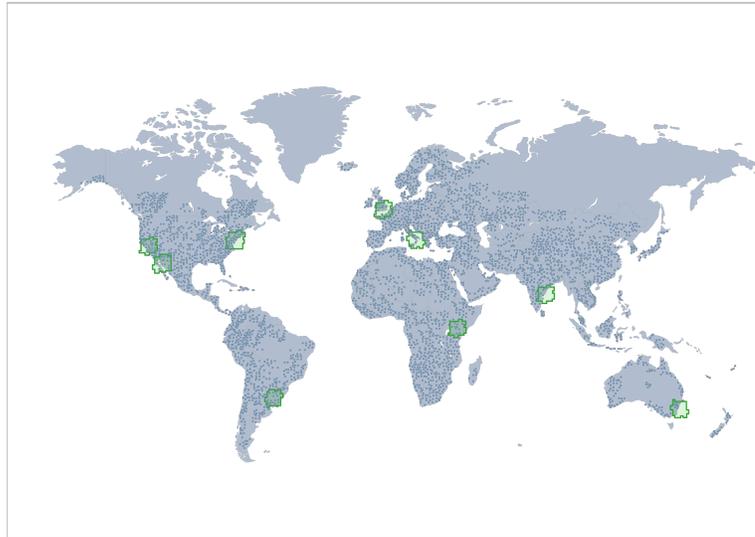
Digital Twin Applications standardize all the data in any machine



Data is made available to authorized edge cloud applications thru Edge Data Services



To enable many Edge Cloud Applications



Applications



Cardiology



Orthopedics



Radiology



Cancer



Neonatology



Clinical Engineering

We are continuing to progress our moonshot mission to enable a new generation of applications based on data from all 1,000,000 healthcare machines in all 500 children's hospitals in the world.

On the software front, we have improved our edge networking service with a more secure method of connecting outside of an edge zone. We tested this in multiple edge zones and are upgrading all zones to the new architecture. We're also enhancing the service with certificate-based authentication that will be rolling out soon.

Our edge zone provisioning time and twinning time is around 30 minutes, down from 4 hours our first time. Our objective is less than 15 minutes for provisioning a zone and less than 5 minutes for twinning a healthcare machine. We'll be timing in our next deployment on the East Coast - wish us luck!

On the deployment front, we've added an edge zone in the Pacific Northwest and will implement an edge zone in Delaware very soon. We're currently scheduling our second European zone in the UK and are in active conversations with 8 more sites in North America.

We're excited to report that we received the go-ahead to deploy the first edge zone in Africa, which will be in Kenya. Our objective for the end of 2022 is to have 32 edge zones in all six continents. We are on track to meet and perhaps exceed this target.

In the next post, we'll update you on our progress with cardiology, radiology and orthopedic applications and introduce you to the Chang Method, an innovative way to leverage global research in AI in medicine and bring it out of the lab and into clinical use, all the while preserving privacy.

As always if you'd like to learn more or are interested in contributing, let us know by emailing moonshot@bevelcloud.io.