

Deploying ENIAB in Cloud Platform

In 2014 and 2015 NDC-UA was involved in alpha testing of Extended version of standard software package NDC-in-a-Box. As a result in 2016 last release of ENIAB was installed. At the first stage we used Virtual Machine but VM is limited in size and hardware and we decided to complete full installation from source code to separate server.



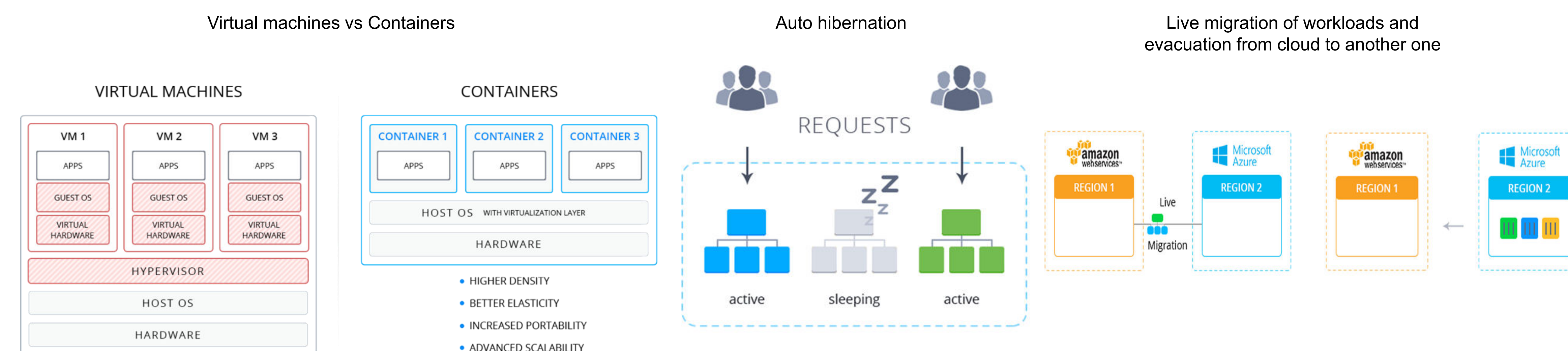
During operational duty and routine data processing, at least 3 persons are using the ENIAB software simultaneously and time to time it crushes server. In this regard the question of remote access to the software has to be addressed. One of the solutions is to deploy software on the cloud platform. Idea of Jelatic hybrid cloud with multiple regions was used as basis. At the beginning of 2017 NDC-UA started to use Jelatic unified cloud platform for easy observation of Earth space and geophysics (Unigeocloud) in testing mode.



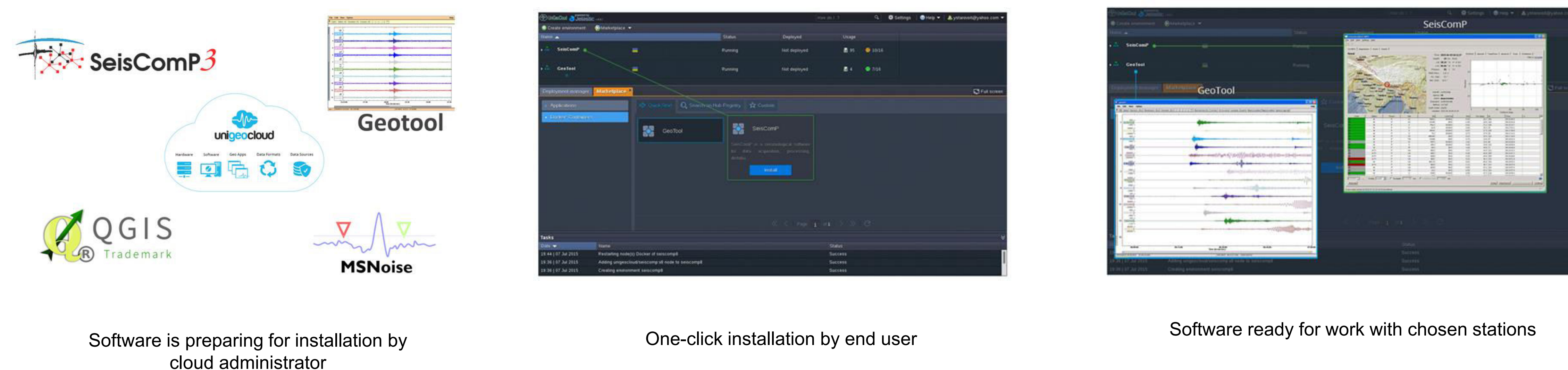
What is Unigeocloud?



Based on Jelatic technologies and Docker containers. All advantages that Jelatic hybrid cloud provides are present



How it works?



Software installed in this environment can be optimized, and data connections can be made, ready for processing. The database and waveform data are located in a separate environment, always available for software access. Such a system allows the use one environment, with a set of software (for training or control of on-duty personnel by experts). The same environment can be cloned for direct interaction. This set up provides flexibility, remote/local installation and tuning, and no need for any specific requirements for workstations used for data processing. With only a web browser and internet connection one can operate and use it from anywhere.

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