AMD and Canonical team up to present "one of the industry's easiest ways to deploy an OpenStack private cloud"-- an OpenStack-based solution packing a SeaMicro SM1500 server running on Ubuntu LTS 14.04.



The system is actually the evolution of an earlier Canonical idea, the so-called Ubuntu Orange Box. Presented at the OpenStack Summit, the Orange Box is a cloud in a box built from consumer-grade components. The AMD-Canonical announcement takes the idea and builds it with enterprise-grade hardware, namely the SeaMicro SM1500 server packing 10 rack units with 512 CPU cores, 160 gigabits of I/O networking, 5 petabytes of storage and 1.28TB high-performance Freedom Fabric.

Processor cores come in either AMD Opteron (aka Piledriver core) Xeon E3-1265Lv2 (Ivy Bridge) or Xeon E3-1265Lv3 (Haswell) flavours.

As a result, according to the two companies the combination is one of the most scaleable private cloud solutions around, setting a hyperscale cloud computing record of 168000 virtual machines using Metal-as-a-Service (MAAS) and Juju, both part of Ubuntu LTS 14.04 and OpenStack.

"Canonical has developed the most sophisticated set of tools in the industry to remove the complexity of an enterprise grade OpenStack deployment," Canonical says. "The AMD-Canonical OpenStack solution bundle will help drive increased velocity for clients seeking to leverage scale-out cloud technology for next generation workloads."

Go AMD Creates Ready-to-Deploy OpenStack Private Cloud in a Box