

## Master Big Data on Oracle Cloud Infrastructure

Gartner expects that by 2020, 21 billion devices and sensors will connect to the Internet of Things. That means unprecedented growth in the volume of data that enterprises must analyze to gain rapid insights.

Meanwhile, organizations are trying to drive down operating costs by moving analytics workloads to cloud environments. To address this, **Oracle Cloud Infrastructure** offers leading-edge Intel Xeon® v5 processor-based Infrastructure as a Service (IaaS) solutions.

*TidalScale Software-Defined Server instances in the Oracle Cloud deliver best-in-Class IaaS memory capacity and cost.*

**Beyond the data center.** The traditional way to access a large memory system was to buy one—at great cost. Even most pay-as-you-go cloud IaaS large memory instances are cost too much, aren't large enough, or both.

**Run your workloads on the largest cloud servers in the world.** Now Oracle has changed the game by teaming with TidalScale to make big memory in the cloud a viable option. How? TidalScale enables you to get more—much more—from Oracle Cloud Infrastructure.

## Drive Insights with TidalScale

For memory-bound applications, TidalScale on Oracle Cloud Infrastructure puts a wide range of options for large memory instances at your fingertips.

### Scale-out Capacity with Scale-up Simplicity

No data partitioning or complex software development – in fact, no software changes, period.

### Deploy in 5 Minutes

Configure and deploy Software-Defined Server cloud instances in minutes.

### Scale on the Fly

Match your server instance to the size of your Big Data workload.

### Build as You Grow

Save on software licenses by only deploying (and paying for) what you need, when you need it.

### Powerful

Drive your workload with up to 3x the compute capacity of comparable large memory instances.

### Run with Confidence

Run on Oracle-approved hardware with Red Hat and SUSE certified software.

**FASTER RESULTS,  
LOWER COST**

**BUILD & RUN  
Largest Cloud Servers  
in the World**

UP TO  
**64<sup>TB</sup>**  
**IN-MEMORY  
PERFORMANCE**

**ACHIEVE  
3<sup>X</sup>  
THE COMPUTE  
OF OTHER  
LARGE-MEMORY  
SYSTEMS**

**RUN FASTER  
IN-MEMORY**

**FIND OUT MORE:  
[www.tidalscale.com](http://www.tidalscale.com)**

## Right-Size Servers to Fit Any Workload—Right in the Oracle Cloud

With TidalScale, you can create a Software-Defined Server to run workloads across dozens of Oracle Cloud servers. TidalScale's technology combines those servers (along with all their associated resources, including memory, cores, storage and bandwidth) into a single aggregated system.

Build one or more systems of virtually any size, accessible on demand, with hundreds of cores and dozens of terabytes of memory available to handle your biggest workloads.

### Build Software-Defined Servers quickly and easily.

Just select the ideal combination of resources from available systems on Oracle Cloud Infrastructure. TidalScale makes your Software-Defined Server available to your operating system and applications without a single modification.

### Create a new server in minutes.

Using TidalScale WaveRunner, our point-and-click control panel, you can configure and deploy a new Software-Defined Server in as little as five minutes. When your workload changes, create a new server just as quickly. No programming or customization necessary.

### Let your workload decide your server size.

For the first time, you can create your custom server to match your workload. Incorporate dozens or hundreds of cores, from a few to tens of terabytes of memory, and all the storage and networking I/O you need.

### Run any application, on bare metal or in containers.

Applications see TidalScale Software-Defined Servers just as they would any single system image.

### Take command of your own Software-Defined Data Center.

With TidalScale, Oracle Cloud Infrastructure becomes your personal, on-demand Software-Defined Data Center. In fact, our WaveRunner control panel is built to visually monitor and manage all of your virtualized resources.

## Faster Results, Lower Cost

For the first time, you can tailor your hardware to the needs of the application software and data set – not the other way around.

### Pay As You Go

TidalScale's simple scale-up software model, coupled with the scale and cost-effectiveness of 'pay-as-you-go' scale-out systems, lets you lower your Total Cost of Ownership (TCO) by delivering best-in-class capital and operating costs.

### Fast, Flexible & Easy

Deploy TidalScale Software Defined Servers on Oracle Cloud Infrastructure to achieve ease-of-use, flexibility, and time to insight that simply isn't possible with traditional solutions.

- Simple, rapid deployment
- No software development
- No data partitioning
- Powerful Intel Xeon® v5 hardware
- Unmodified system and application software
- Unrivaled scalability for cloud IAAS
- Optimized software license costs

