

## Don't Let the Data Explosion Cost You

Unprecedented growth in the volume of data available to enterprises is wreaking havoc on data centers.

### To keep pace, you're probably wasting money by:

- Overspending on hardware to anticipate future needs
- Deploying large, one-off hardware configurations

### Or you're delaying insight by:

- Taking too long to deploy servers for business units
- Wasting time rearchitecting for scale-out databases to handle large datasets

**SAP HANA** in-memory database technology is critical to keeping up with the velocity of today's enterprise. But to handle large datasets, you don't have to dramatically increase capital investment, limit the amount of your data and resulting value of insights, or dramatically increase system complexity and operating overhead. Now, there's a better option.

*TidalScale Software-Defined Server technology delivers results faster offering extreme scalability with cost-effective hardware.*

## Unlock Value with TidalScale

Both scale-up and scale-out implementations of SAP HANA have their drawbacks. TidalScale delivers the best of both worlds.

### Scale-up Simplicity w/o Lock In

Avoid the time and expense of data partitioning and complex, proprietary software tooling.

### Larger Scale at Lower Cost

Leverage the simplicity of scale-up but with the capacity and cost-effectiveness of scale-out built on standard Intel Xeon® processor-based 2-socket servers servers already approved by your IT department.

### Deploy in Minutes

Speed time-to-insight with Software-Defined Servers configured and deployed in minutes, avoiding the complex

software development or data partitioning necessary with scale-out solutions.

### Scale with Your Needs

Deploy Software-Defined Servers from gigabytes to terabytes. Provision hardware to fit the data set rather than force your data to conform to hardware limitations.

### Run with Confidence

Run out of the box without modifications. Run on SAP-approved compute, networking, and storage hardware as defined by the SAP Tailored Datacenter Integration Program.

**FASTER RESULTS,  
LOWER COST**

UP TO  
**63%**  
CAPITAL COST  
REDUCTION

UP TO  
**64TB**  
IN-MEMORY  
PERFORMANCE

UNDER  
**5 MIN**  
DEPLOYMENT  
AT ANY SCALE

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

## Right-Size Servers to Fit Any Dataset

TidalScale aggregates all the resources (memory, cores, storage & bandwidth) of low-cost, high-performance, Intel Xeon® processor-based 2-socket servers into one or more Software-Defined Servers right-sized to handle your SAP HANA workload.

### Respond to large workload needs quickly and easily.

TidalScale enables IT to respond to user needs quickly while avoiding the delay and expense of purchasing specialized hardware. Rapidly compose large Software-Defined Servers from existing smaller servers on-premise or in the cloud, using the ideal combination of resources at hand.

### Create a new server in minutes.

Using TidalScale WaveRunner, our point-and-click control panel, administrators 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.

### Integrate seamlessly into DevOps.

Enable instant provisioning by using TidalScale's RESTful API to integrate Software-Defined Servers into your DevOps infrastructure & processes.

### Define systems based on the exact needs of the workload.

Incorporate dozens or even hundreds of processor cores, tens of terabytes of memory, and all the storage and networking I/O you need.

### Run any application, whether native or containerized.

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

### Complete your own Software-Defined Data Center.

TidalScale is the missing piece of the Software-Defined Data Center – adding servers to the virtualized storage and network resources in modern IT infrastructures and clouds. The TidalScale WaveRunner control panel enables you 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 SAP HANA on TidalScale Software-Defined Servers to achieve ease-of-use, flexibility, and time to insight that simply isn't possible with traditional solutions.

- Simple, rapid deployment
- Inexpensive to build
- No new software development
- No data partitioning
- Industry-standard hardware
- Unmodified system and application software
- Unrivaled scalability

