



# Make Your Applications Fly with NetApp Flash 3-4-5

Reduce your storage footprint, costs and management time

## Key benefits

- Achieve at least three times the performance and four times the total effective capacity, guaranteed
- Get started easily with risk-free trial, free controller upgrade option and extended warranty
- Get all the benefits of flash without compromising your budget
- Spend less time managing storage and more time advancing strategic projects
- Meet high-capacity requirements with 15TB solid-state drives

## Simplify Storage Management for All Your Applications

As digitisation reshapes industries and organisations of all sizes, IT professionals are pressured to do more with less. You see your project lists growing while budgets shrink and resources become more scarce. The last thing you need is to spend extra time fine-tuning application performance.

Flash technologies can provide the relief you need. That's because flash storage is no longer limited to a small set of mission-critical applications. NetApp® all-flash solutions let you consolidate primary workloads onto a single platform and slash the time and effort you spend managing your storage infrastructure. You can enjoy clear performance gains, reduced overhead, simplified management, and significant cost savings across both test/dev and production environments, across SAN and NAS environments, and across flash and cloud.

“Other flash storage solutions we looked at didn't offer deduplication combined with a unified cluster architecture. Those features are important to us because they save us time and money.”

—SATISH SAMBANDHAM, SENIOR MANAGER, PRODUCT DEVELOPMENT AT CITRIX

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But how can you be sure that flash will deliver these benefits in your particular IT environment? [The NetApp Flash 3-4-5 promotion is designed to let you find out for yourself.](#)

### 3X Performance, 4X Capacity, 5 Ways to Get Started

Flash 3-4-5 means that if you choose NetApp enterprise-grade all-flash arrays, you get:

- At least 3X performance improvement, guaranteed
- At least 4:1 total effective storage capacity improvement, guaranteed<sup>1</sup>
- An optional risk-free trial, a free controller upgrade option, and an ability to extend your warranty



<sup>1</sup> The 4:1 storage efficiency guarantee applies to NetApp All Flash FAS systems running ONTAP® 9.0 or later.

In practical terms, Flash 3-4-5 offers five ways to reduce the effective cost of flash:

- Our 3X performance guarantee provides assurance that you will achieve the blazing-fast speed you expect from flash technology.
- The industry-first 4:1 efficiency guarantee means that NetApp will work with you to meet or exceed the required capacity, including additional no-charge physical storage if needed.<sup>2</sup>
- The free trial allows you to make sure that NetApp all-flash arrays deliver the results you're looking for before you purchase them.
- The free controller upgrade option provides investment protection as controller technologies change over time.
- The extended warranty lets you amortise the cost of your NetApp all-flash system for up to nine years, rather than the standard four to five years.

### The Speed You Need

With our 3X performance guarantee, you get the speed of flash to accelerate your enterprise database applications along with the enterprise-grade manageability you expect from NetApp.

“We’ve seen at least a threefold performance improvement for all our applications by moving our VMware environment and Oracle databases to NetApp All Flash FAS.”

—STAN HIPPLER, DIRECTOR OF UNIVERSITY COMPUTING SERVICES AT MCNEESE STATE UNIVERSITY  
[Read the full story](#)

In addition to databases, NetApp all-flash storage arrays can accelerate a wide range of applications and processes, including remote desktops, backup operations and batch reporting.

“Business intelligence reports that used to take six hours to run now complete in 20 seconds.”

—BILL KERNAN, CIO, WESTERN OREGON UNIVERSITY  
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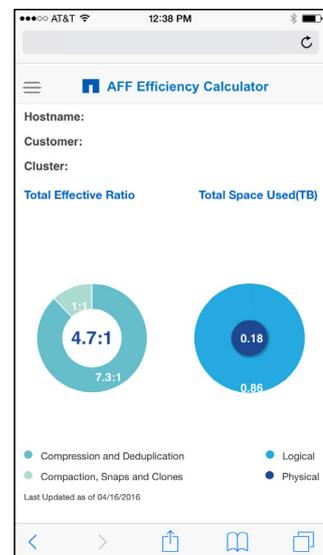
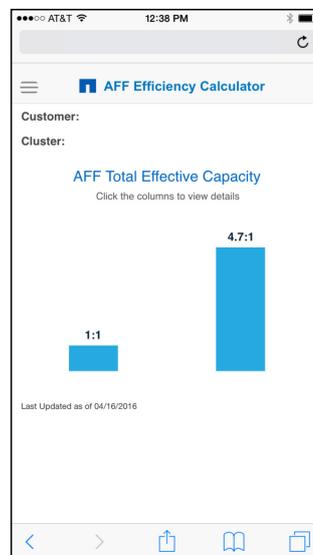
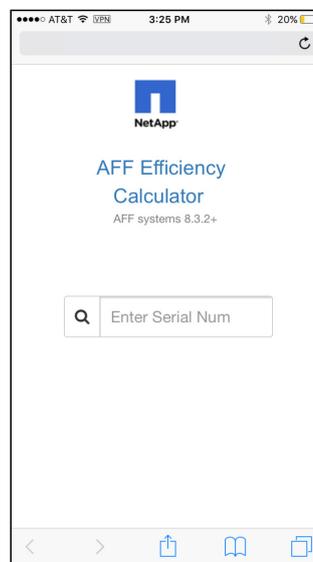
Whether you need to scale up or scale out your application performance, the NetApp all-flash portfolio lets you unlock the value of your data, respond more quickly to customers, and deliver a consistent application experience to any user, from any device, at any time.

### The Industry’s Only 4:1 Total Effective Capacity Guarantee

What does the NetApp 4:1 storage efficiency guarantee – the only such guarantee offered in the industry – mean to you?

It means you can reduce the storage capacity you need – that is, buy, use and manage less storage – and spend less.

Figure 1) Monitor your progress with AutoSupport® Efficiency Calculator.



<sup>2</sup> Requires that customers agree to the terms, conditions and restrictions of the NetApp 4:1 storage efficiency guarantee.

Combine that fourfold storage efficiency with another industry first – 15TB SSDs – and you're able to store over 1PB of logical data in a 2U, all-flash storage expansion shelf. We're able to guarantee this unprecedented level of total effective storage capacity thanks to savings from NetApp data compaction, compression, deduplication and Snapshot® copies.

To cite a couple of real-world examples:

- Financial services company Invesco expects to reduce its server and storage infrastructure tenfold over the next two years, without sacrificing performance, by deploying NetApp All Flash FAS systems for its production databases virtualised with VMware. [Read the full story](#)
- Using NetApp flash solutions, Shanghai PPDAl Financial Information Service Co., Ltd., accelerated transaction performance by up to three times, with latency of less than 0.7ms in peak hours, and reduced costs by 60% to 70% compared to the costs of the legacy spinning hard disk approach. [Read the full story](#)



**Take Advantage of  
Our Limited Flash  
3-4-5 Offer Today.**

### **Start Making the All-Flash Data Centre a Reality**

It's time to extend the benefits of flash storage – superb performance, along with power, cooling, space and longevity benefits – to all your production data. Flash 3-4-5 makes it easy to get started.

### **About NetApp**

Leading organisations worldwide count on NetApp for software, systems and services to manage and store their data. Customers value our teamwork, expertise and passion for helping them succeed now and in the future.

[www.netapp.com/uk](http://www.netapp.com/uk)