

# Meet Challenges with an Agile Infrastructure



Start-ups have traditionally leveraged plan-and-pivot business operations to get the agility needed for growth. This approach is becoming the new norm for organizations of all sizes and phases. It takes greater agility to address new levels of uncertainty combined with the rapid rate of digital globalization. The rate of operational changes in 2020 offers insight into the true potential of IT agile [infrastructure](#) and its support of business agility. In a recent [Gartner Board of Directors survey](#), 69% of respondents report that disruptions caused by the pandemic, the economy, and social unrest are accelerating their digital initiatives.

The increase in digital initiatives creates the need to manage all the data that comes with it. [Database administrators face increasing pressure](#) to manage and sustain high-performing mission-critical workloads. Getting the formula right for your organization's IT infrastructure has never been more important.

## Laying the Foundation

An infrastructure to support mission-critical database workloads consists of five key pillars:

- Performance
- Security
- Availability

- Manageability
- Storage

Together, these pillars form a strong foundation and can help you better prepare for the unknown. A solid infrastructure allows DBAs to focus on projects that address business challenges instead of fixing issues.

With the expedited pace of operations, it's critical to maintain the performance of mission-critical workloads. A solution that offers 100% all-flash end-to-end NVMe and NVMe-oF arrays can deliver the performance you need. Pure Storage® [FlashArray//C](#) allows DBAs to harness the power of true high-performing workloads with sub-millisecond latency as low as 250µs. And businesses can leverage data to deliver an exceptional [customer experience](#).

Today's global economy doesn't stop and neither can your infrastructure. Database workloads must be available 24x7x365. With proven 99.9999% uptime, Pure FlashArray ensures that mission-critical workloads are always on.

## Enhancing Efficiency

Managing database workloads can be tedious and time-consuming. A pain point for many DBAs, managing workloads can not only impact staff morale but also take time away from strategic business initiatives. As a result, it's important to consider infrastructure solutions that offer *the whole package* for managing database workloads.

Using FlashArray snapshots, you can copy, clone, and refresh processes of Oracle applications and Oracle Database environments. As a result, it takes up to [90% less time to copy and clone](#), reducing the process to approximately one minute. Plus, you can rapidly deploy additional arrays as needed and have new arrays [up and running in about 60 minutes](#). Architected for scalability, Pure solutions enable you to scale to support today's new requirements in real-time.

## Considering Cloud Infrastructure for Workloads

When it comes to agility, a cloud infrastructure offers the same perks of an on-prem system. It also provides the flexibility needed to stay agile. Pure [hybrid-cloud solutions](#) allow you to run Oracle workloads effortlessly in the cloud or on-premises. You can also migrate workloads seamlessly with Pure cloud-data services. DBAs can leverage not only bi-directional data mobility but also data-protection capabilities. Pure Cloud Block Store™ delivers always-on encryption with cloud-native cybersecurity. Built for flexibility, the hybrid cloud offers an antidote to the volatility of database workloads during these uncertain times.

A [recent McKinsey & Company report](#) recommends: "To stay competitive in this new business and economic environment requires new strategies and practices." New digital initiatives are an example of this. But don't overlook the importance of a solid IT infrastructure to support these projects. After all, infrastructure is what underpins your ability to plan and pivot.