



Bridge the Bimodal IT Gap With Converged Infrastructure

Accelerate Your Digital Transformation



Transform Your Enterprise or Get Left Behind

Digital transformation is the imperative for companies to stay relevant in a business landscape that continues to shift.

As the pressure grows to perform at high levels, IT organizations must:

- Adopt new technologies.
- Ensure lock-down protection and provide maximum mobility.
- Deliver reliable critical applications and deploy new user services quickly.
- Store petabytes of data and process it instantly.

This extreme multitasking is mismatched with today's IT infrastructure, processes, skills and services, which have outdated and siloed architecture, limited standardization and different expertise across teams.

Constant catch-up means organizations continually shuffle priorities, reconfigure existing resources amidst budget constraints, and remain in a high alert mode.

Fortunately, there is a better way.

IT Modernization: Not Business As Usual



Organizations are torn between two different ways to manage their enterprise.



Gartner's Bimodal IT approach highlights the differences in these requirements.



Bimodal IT requires flexibility for continuous reliability and innovation.



Converged infrastructure offers the best of both worlds without the compromise.



The IT Paradox: Two Paths, One Enterprise

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By 2017, 75% of IT organizations will have a Bimodal capability.”

Gartner, July 2015

Today's IT organizations work toward two different strategic objectives: To manage everyday business that keeps IT operational, support critical applications with reliability and plan for the long term. The other objective is to be agile and flexible, move faster than the competition and take on new and innovative technologies.

IT needs to accomplish both goals.

Gartner Research coined the term “Bimodal IT” to describe these two separate but equal approaches to manage the enterprise. Bimodal IT means having two modes of IT, each designed to develop and deliver information and technology-intensive services in its own ways.¹

- **Mode 1 or Traditional:** Emphasizes predictability, accuracy and stability.
- **Mode 2 or Exploratory:** Emphasizes agility and speed.



Bimodal IT: Marathon vs. Sprint

Companies can't operate without Mode 1 (The Marathon Runner), nor can they stay competitive without Mode 2 (The Sprinter). Bimodal IT is most effective when the two modes coexist and work together. They don't have to be mutually exclusive.

Mode 1: <i>The Marathon Runner</i>		Goal		Mode 2: <i>The Sprinter</i>
Reliability	←		→	Agility
Price for performance	←	Value	→	Revenue, brand, customer experience
Waterfall, V-model, high-ceremony IID	←	Approach	→	Agile, Kanban, low-ceremony IID
Plan-driven, approval-based	←	Governance	→	Empirical, continuous, process based
Enterprise suppliers, long-term deals	←	Sourcing	→	Small, new vendors, short-term deals
Good at conventional process, projects	←	Talent	→	Good at new and uncertain projects
IT-centric, removed from customer	←	Culture	→	Business-centric, close to customer
Long (months)	←	Cycle Times	→	Short (days, weeks)

Gartner, July 2015



How to Bridge the Bimodal IT Gap

This dual-enterprise model requires a new way to think about IT technology, processes and people. It's not an overnight transition. One approach is an IT infrastructure foundation that supports Bimodal IT with centralized management, orchestration and automation tools across the enterprise. This solution is primed for reliability, yet responds to the rapid pace of digital business.

IT shifts from a reactive to proactive business partner with a blend of dependability, agility and flexibility. Think: Run traditional business applications 24/7 (Mode 1) as you simultaneously support an environment to launch on-demand services (Mode 2).



Converged Infrastructure is the Fast Path to Bimodal IT

Converged infrastructure is the most efficient and powerful platform to take on these separate but equal requirements. Manage, monitor and control the enterprise at your fingertips with an integrated, pretested, prevalidated solution that unifies all data center components, including compute, storage, network and virtualization (or bare metal).

Converged infrastructure has emerged as the de facto solution to take on digital transformation, and is expected to hit \$14.3 billion in 2017.²

Converged infrastructure builds in Bimodal IT capabilities for the precise features you need to manage the core business requirements of today with the agility to deliver new solutions for tomorrow. It provides end-to-end management and visibility of the entire data center, from legacy platforms to cloud-based solutions that transform data analytics.

Converged Infrastructure Benefits

- Optimizes high performance and availability with less operational and management complexity.
- Supports internal and external customers better with fast deployment and time to service.
- Reduces capital and operational expenditure requirements.
- Improves system performance and reliability to enhance overall IT agility.
- Increases system utilization with an open architecture environment.
- Cuts time, resources and errors with automation to manage and orchestrate routine tasks.
- Supports cloud infrastructure efforts for public, private or hybrid clouds.

Hyperconverged Gains Traction

Hyper-converged infrastructure is ideal for mid-sized companies and enterprise departments for a specific project or application, such as virtual desktops, remote office and branch office, big data analytics or other workloads.

- **Helps drive the next phase of converged infrastructure growth** with new levels of agility and flexibility.
- **Integrates compute, storage, network and virtualization hypervisor** in a software-defined architecture.
- **Increases speed to deploy, configure and manage**, with lower costs and a smaller footprint.



Converged Infrastructure is the Foundation to Transform

Manage and control your Bimodal IT challenges with converged and hyperconverged infrastructure. Modernize the enterprise, accelerate innovation and get the reliability you need in one solution. Converged infrastructure ushers in digital transformation with new opportunities for your IT enterprise and your business.

Take the Next Step

Bridge the Bimodal IT gap with converged and hyperconverged solutions.

[GET THE DETAILS >](#)

Is the move to a converged infrastructure a consideration? Here are the four key steps on how to get there.

[VIEW THE INFOGRAPHIC >](#)

HDS at a Glance

Digital transformation improves enterprises' cost-efficiency, time to market, customer experience, and revenue through better data management. Hitachi Data Systems uses data to power the digital enterprise.



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¹ Bimodal IT: How to Have It All Without Making a Mess, Gartner Webinar Presentation, July 2015

² IDC, Worldwide Integrated Systems, 2014–2017 Forecast: March 2014.