IT INFRASTRUCTURE

Optimizing the IT Resources to Improve Business Process

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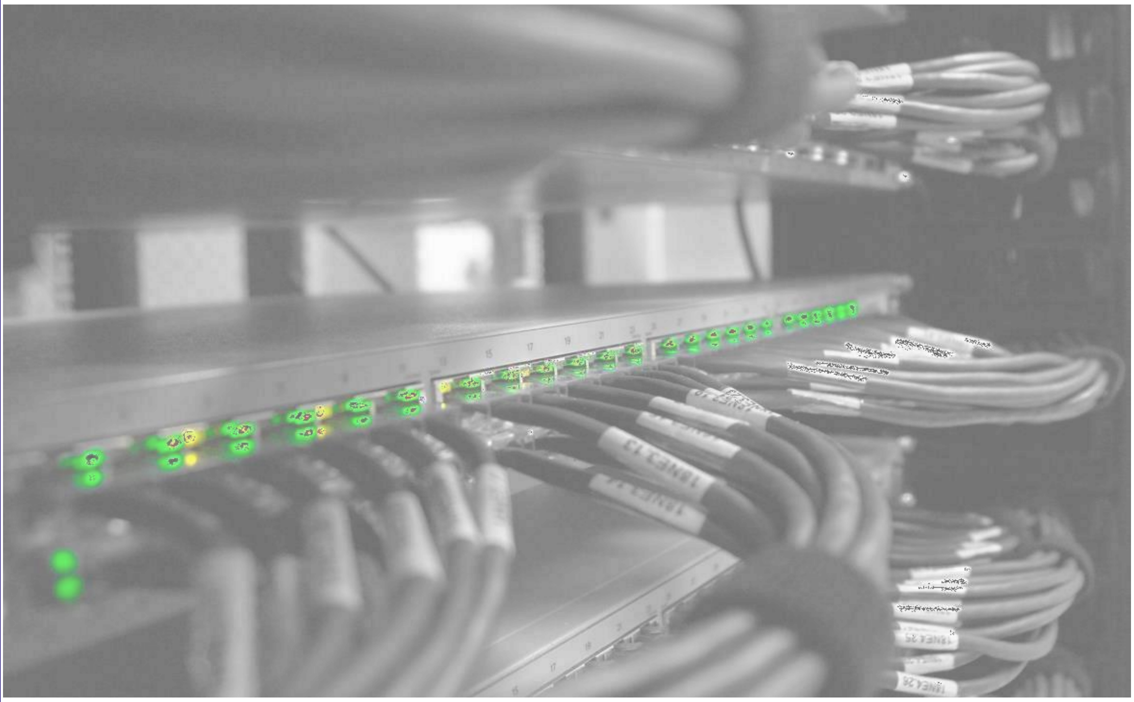


“Despite the innumerable challenges, one scope is lurid and irrefutable -IT is an essential wizard.”

Executive Summary

Innovation in technology is growing at a rapid pace and digitization thrusts limitations, you must acclimatize the IT infrastructure. This is causing IT leaders to re-examine their IT choices and reconsideration of the resources to manage current infrastructure in the enterprises. An enterprises can be efficacious with traditional IT systems now need to direct a way to operate and evolve their infrastructure that will meet the business needs of today and tomorrow.

IHR Insights focus on the priorities for tomorrow’s IT infrastructure lie, and what gaps exist between organization and enterprise that are successfully transforming traditional IT functions and the new IT functions which are yet to begin. IT Infrastructure of the organization must be ready to support the weights of an increasingly digital business that benefits from cloud, Big Data, social, and mobile technologies.

By leveraging IT infrastructure the relationship that links firms seeking real business results into new revenue streams, faster time to market, increased profitability—and the emerging digital enterprise.

Situation Overview

In today’s time organizations are forced to act as their peculiar systems integrators. Current management of this extensive infrastructure has led to increase in costs, and the time required for testing and fine-tuning during deployment has led to a trench on available staff resources and which has affected the business value adversely. IT infrastructure has become a strategical assets for the organizations in today’s time. Organizations are undergoing relentless, disruptive change, with constant information flows, threats and uncertainty, and constant connectivity.

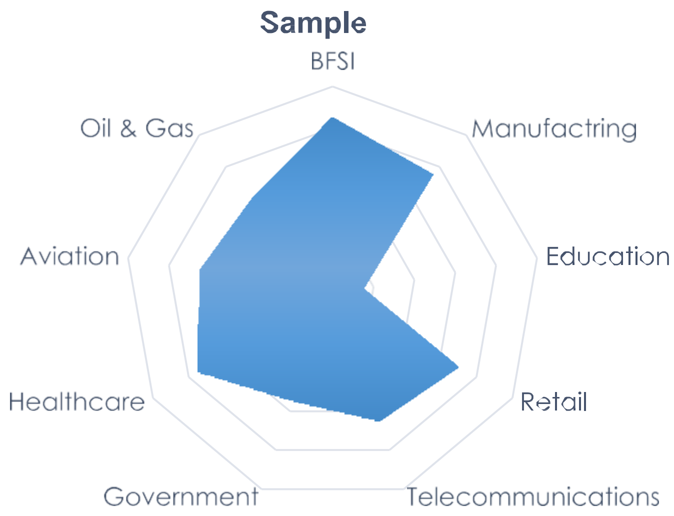
Because of the complexity of the IT environment, current IT Infrastructure:

- Measurement, accounting, reporting, analysis, audit, billing and chargeback
- Configuration discovery, remediation and change validation management
- Monitoring of resource usage, and tracking the effectiveness of everything from facility components to application software
- Establishment of service templates, blueprints and guides for configuration
- Performance, availability and capacity planning
- QoS, SLAs, SLOs and service delivery management

Business Value for Enterprise

IT infrastructure research highlights that more than XX percent of organization recognize that IT infrastructure plays an important role in enabling competitive advantage or optimizing revenue and profit with respect to the business vertical they are into.

Chart 1: Sample Figure

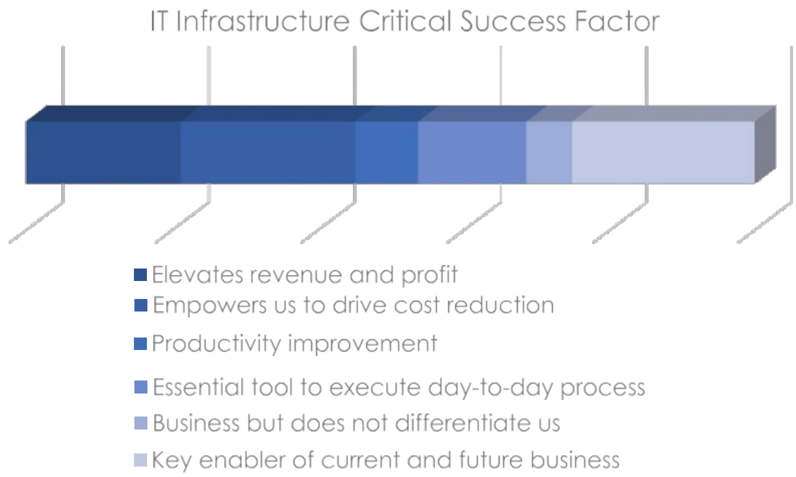


Source: IHR Insights

"Transform your IT infrastructure into an essential enabler of business value."

IT infrastructure at the heart of their business, versus those that use IT merely to maintain operations. We found a correlation between advanced digital adoption rates and greater business outcomes. For example, an extreme user of a technology is a business that exploits the capabilities of a technology to the fullest, using it for something truly innovative in their industry. Businesses that use digital technologies, such as cloud, mobility, and Big Data, in an advanced way tend to become strong leaders, and are rewarded for their efforts.

Chart 2: Sample Figure



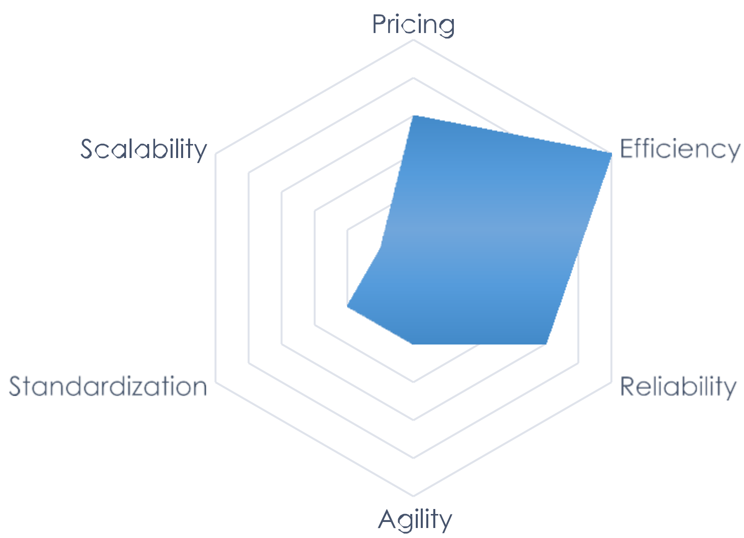
Source: IHR Insights

Organization have spent huge amount in systems management and automation tools relative to the investments that have been made in virtualization adoption. Datacentres are operated manually demanding processes, including the integration of service management frameworks, resulting in greater burdens on staffing. This manual intercession often means that systems are disconnected from business processes and the ability to adapt to change in response to the business is vulnerable. IT management costs will actually rise if organisations don't ominously improve automation competences for their virtualized environments.

IT Infrastructure Challenges

Major challenges that IT infrastructure is facing in attaining the objective of high performance. IT leaders must consider the following key parameters as benchmark to make a right decision.

Chart 3: Sample Figure



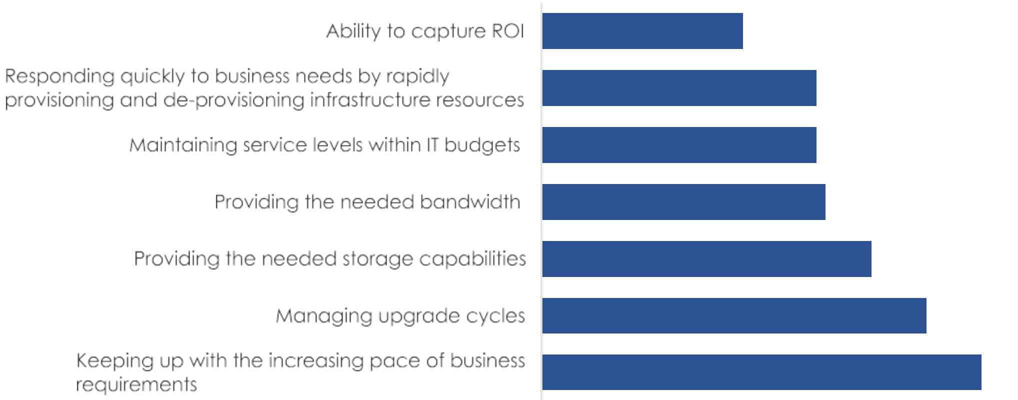
Source: IHR Insights

Building and running a lucid IT infrastructure raises multiple challenge. To optimize this challenges infrastructure investments, coordinating infrastructure components, dealing with scalability and technology change, and management and governance are must for the organisations. As organisation grows, infrastructure is also outgrow. But when the organisation shrink, they get stuck with excessive infrastructure purchased for the development and the fulfilment of the organisation goal. Organisations stability is affected when most of the investments in IT infrastructure are fixed cost purchases and license. Many question are raised for the growth of the organisations that how well does the infrastructure scale? Scalability refers to the ability of a computer, product, or system to expand to serve a larger number of users without any downtime.

IT infrastructure has been changed over the time frame. Organisations steps towards digital infrastructure fills every niche and split of the organisation and therefore directly affects the employees and organisation performance. Keeping in mind the vision and mission of the organisation we should understand the requirements for IT infrastructure.

"Importance of IT Infrastructure upgrades/modernization While XX% agreed somewhat or completely on the importance of infrastructure upgrades /modernization, XX % remain neutral."

Chart 4: Sample Figure

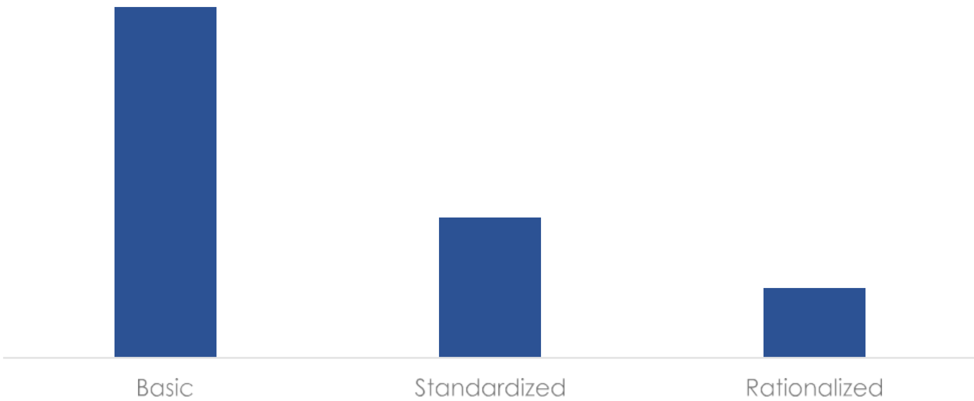


Source: IHR Insights

IT Infrastructure Cost Optimization

Costs associated with the IT infrastructure and its supported IT resources are the major concerned for the organisations in today's world. The costs are derived through an analysis of IT resources used and the IT full-time equivalent staffing. IT investments are more directly affected positively and negatively by IT policies and total cost of ownership, which includes hardware, OS, middleware, applications and services.

Chart 5: Sample Figure



Source: IHR Insights

IT Infrastructure is a major assets for the organisation. If too much is spent on infrastructure, it lies idle and constitutes a drag on firm financial performance. If too little is spent, important business services cannot be delivered and the organisation competitors will outperform the underinvesting organisation.

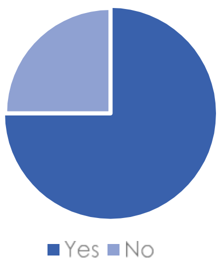
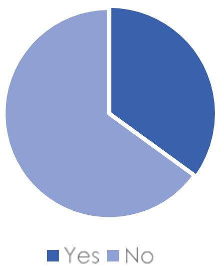
Best Practice

Organization should set a standards for the IT infrastructure that are necessary for the business environment. Organizations should develop an IT systems by adding new functionality in modules in order to avoid complexity. To manage and utilize this hardware efficiently, the system employs several industry best practices to virtualize its IT infrastructure resources, giving its workloads great flexibility to run anywhere in cloud.

Hardware	SAMPLE
Virtualized hardware	
Runtime environments	
Cloud delivery models	
Resource virtualization	
Computational resource virtualization	
Virtual machines	
Network resource virtualization	
Storage resource virtualization	

Business Impact and Benefits

Large and small organizations are stressed to meet their Key Performance Indicator (KPI) goals and prevent IT issues before they adversely impact the business. Organizations detect average of only XX of critical IT issues before they impact the business. IT executives believe the best way to improve operations excellence is to use better tools for measurement and analysis (XX), use tools to enforce IT best practices (XX), or IT configuration issues (XX).Uptime is the important KPI for IT operations, used by XX of organisations — XX of organisations track uptime in real time, while XX track it daily. Organizations are least expected to monitor KPIs in the cloud environment which is XX. XX of organizations monitor KPIs across their networks, databases, applications and storage with respective verticals.

Organistion KPI	Uptime	Downtime
mple		

Conclusion

Major challenges for the IT Infrastructure is cost, complexity, and compliance which are nearly overwhelming the growth of organisation. Instead of developing business aligned IT strategy, many organisations are maintaining and managing a sloppy infrastructure. To overcome these challenges and to align the business with organisation goals, IT must change its focus to become a business-centric line of business. For developing a successful IT infrastructure organisation requires more than leading technology an efficient service delivery, continuous improvement, good practices and fosters connections between experts in multiple disciplines. It also requires a collaborative effort between IT and business leaders to prioritize emerging opportunities, address resource constraints and identify alternatives.

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We differentiate through speed (projects in days, not months), productized offerings (syndicated subscriptions, membership tiers, research-as-a-service), a strong peer community (invite-only CXO councils), and proprietary dashboards (live trackers on tech spend, AI adoption, and security posture).

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