# BW CIO World, India: Optimizing IT Costs and Infrastructure in the Digital Age

"Much like getting oneself in shape, getting fit for the journey of digital transformation is about making a sustained effort at right-sizing and modernising legacy environments," says **R. Rajesh Balaji**, Senior Vice President and Global Delivery Head of Cognizant's Enterprise Application Services.

*Excerpts from BW CIO World's article:*

"CIOs in today's digital economy are confronted with a daunting challenge — how to invest in new technologies such as the Internet of Things (IoT), blockchain, analytics, and robotic process automation to improve competitiveness, while simultaneously getting improved returns and performance from their legacy infrastructure.

To get their businesses on to a fitness regimen, companies must conduct a health check on their existing inventory, identifying systems that are lagging in term of performance, cost and quality, and determining their impact on enterprise workflows. Such a check-up could potentially reveal significant accumulation of technology debt resulting from:

- Massive, unstructured IT applications: This is largely a mix of both legacy and modern IT infrastructure, often facing unsupported wares, redundancies, and dead code.
- Heterogeneous, expensive technology architectures: These result from numerous mergers and acquisitions over the years, leading to complex architecture rules and cumbersome governance layers that are difficult to overcome.
- Duplicate, legacy infrastructure: Distributed, heterogeneous networks and data centers are hard to manage and prevent an organisation from becoming truly agile.
- Process inefficiencies, complex workflows: Disjointed processes and operating models impede the ability to drive efficient end-to-end workflow to deliver the best possible user/customer experience."

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