



Perform and Transform

eAPM® Application Portfolio Management



A proven solution for raising IT performance

In a rapidly changing business climate, we see a perceptible sense of urgency for CIOs to tackle the perennial topic of how to reduce IT run costs while supporting growth: *“How to do more with less?”*

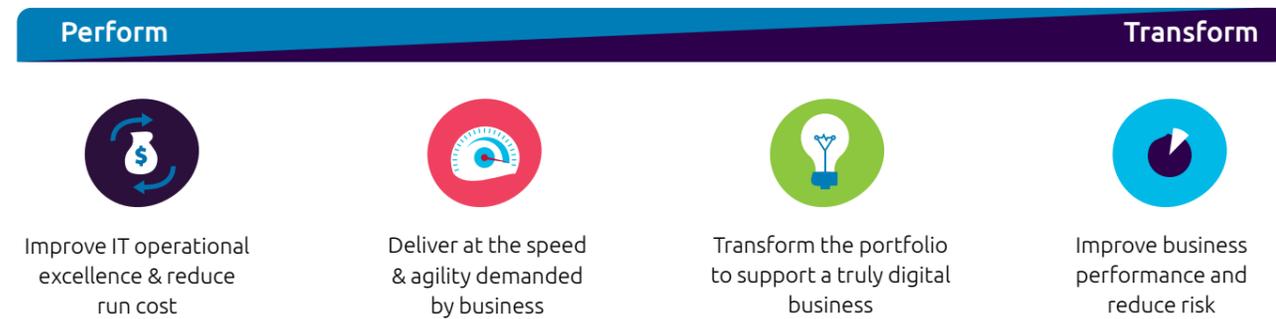
This urgency stems from their need to be seen as a “Business Partner,” leading their business leverage of new digital technologies to stay competitive.

A typical global enterprise will have several thousand IT assets deployed. By their nature they are complex, varied, and difficult to inventory and therefore to manage. It is vital

to understand the assets in the IT landscape in order to balance two dimensions: Perform and Transform.

Perform to deliver operational excellence.

Transform to support a truly digital business.



Our promise

Our global approach targets current IT foundations—portfolio, operating model, total cost of ownership, sourcing strategy, business criticality, technical health,

resource allocation, etc.—to systematically identify areas of performance with high potential opportunities and cost reduction.

The combination of a comprehensive methodology for IT landscape analysis ...

eAPM is Capgemini’s proven solution to help organizations take control of their IT assets and build their progress plans, addressing CIOs, primary needs, including the portfolio baselining; the search for cost efficiency—from an infra, application, organization, or even business processes

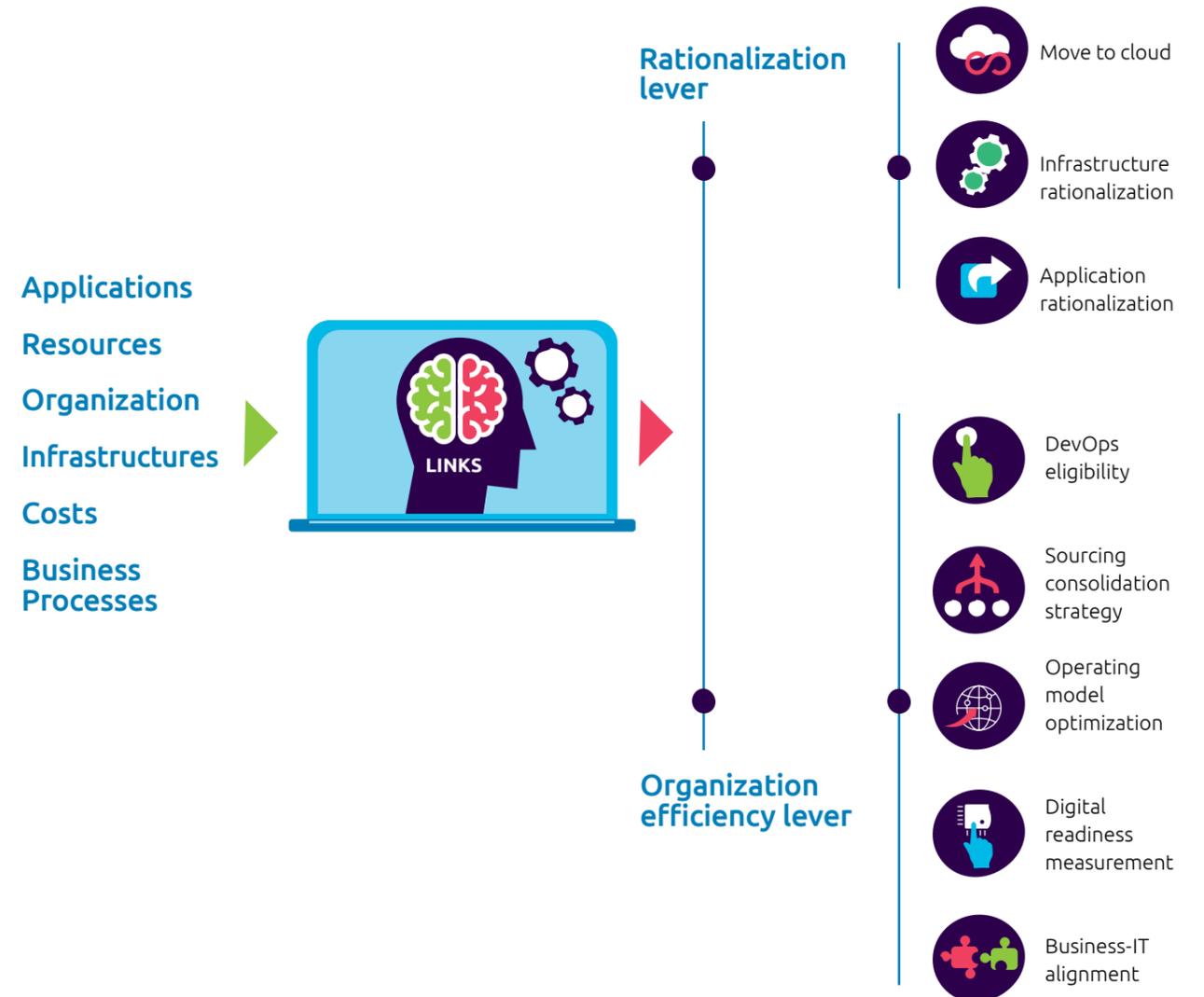
perspective—and the objective to better serve the organization’s agility—how IT can help improve time-to-market through levers such as go-to-cloud strategy, DevOps etc.

... and of an advanced decision-making assistance solution

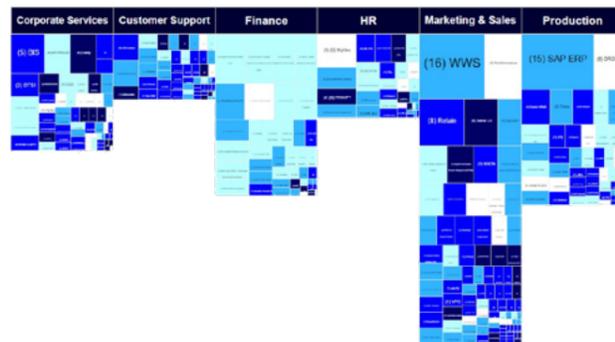
The eAPM approach is powered by a proprietary advanced decision-making assistance solution—LINKS^{ITP}—which collects in a single repository all the data describing the IT landscape (business processes, applications, and infrastructures serving them)—to apply different analysis

lenses in order to model different scenarios and develop for each a clear action plan with quantitative impacts.

Powered by Capgemini’s powerful proprietary Artificial Intelligence engine that can analyze data and find correlations, the solution explores two performance levels:



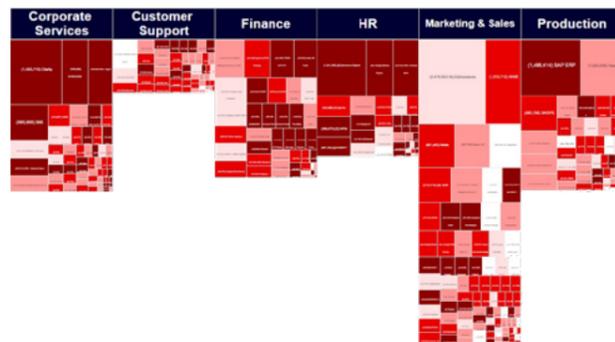
Static “Treemap” views can easily be created and downloaded in order to share a portfolio analysis among the organizations, to support a dialogue, with business owners for example.



3a



3b



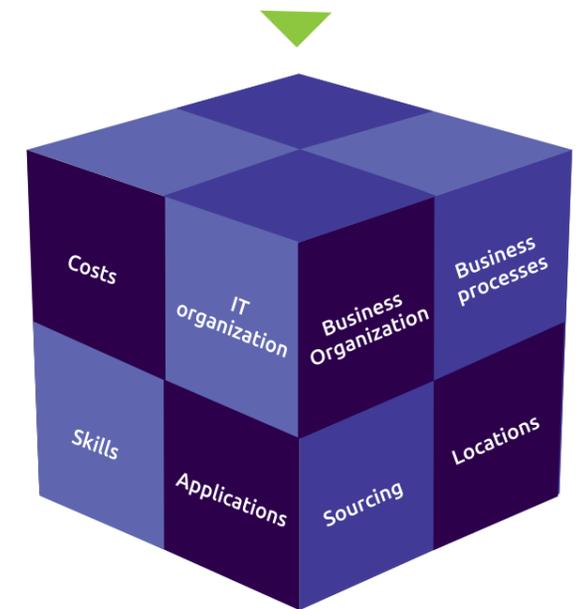
3c

Example of grading and segmenting applications by:
 3a—IT domain, number of FTE, and age
 3b—IT domain, number of FTE, and main technologies
 3c—IT domain, TCO, and criticality

7y Research
500+ Portfolios
7M Data elements
160K+ Applications

Benchmark yourself against 500+ other organizations

The solution embeds a unique source of data underpinned by extensive benchmarks made up of over 500 portfolios and seven million data points.

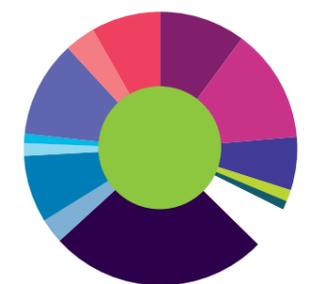


1 Dynamically visualize your IT

Interactive Bubble Graphs, Business Process Maps, Scatter Graphs and Heat Maps enable you to segment data to create different views for analyses & sharing.

2 Benchmark your IT performance

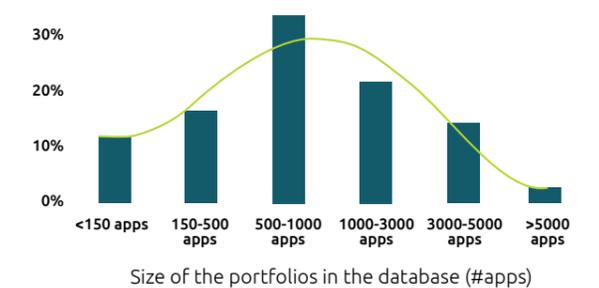
Compare your portfolio and organization performance against our best practice benchmarks and identify actions to improve them, along with real-time simulation of the resultant savings.



13 industry sectors

3 Improve your IT performance

Get in-depth analyses reports on your portfolio & operating model—the LINKS^{ITP} Tool provides innovative, graphical views for deeper insights that can help you uncover and address low performance.



AGE CRITICALITY MOVE TO CLOUD RISKS PEOPLE DEPENDENCY AGILE VIRTUALIZATION INSTABILITY RECENT APPS CRITICALITY BIZ ADEQUACY OBSOLESCENCE TTM COMMISIONING RISKS SMAC QOS MAINTAINABILITY

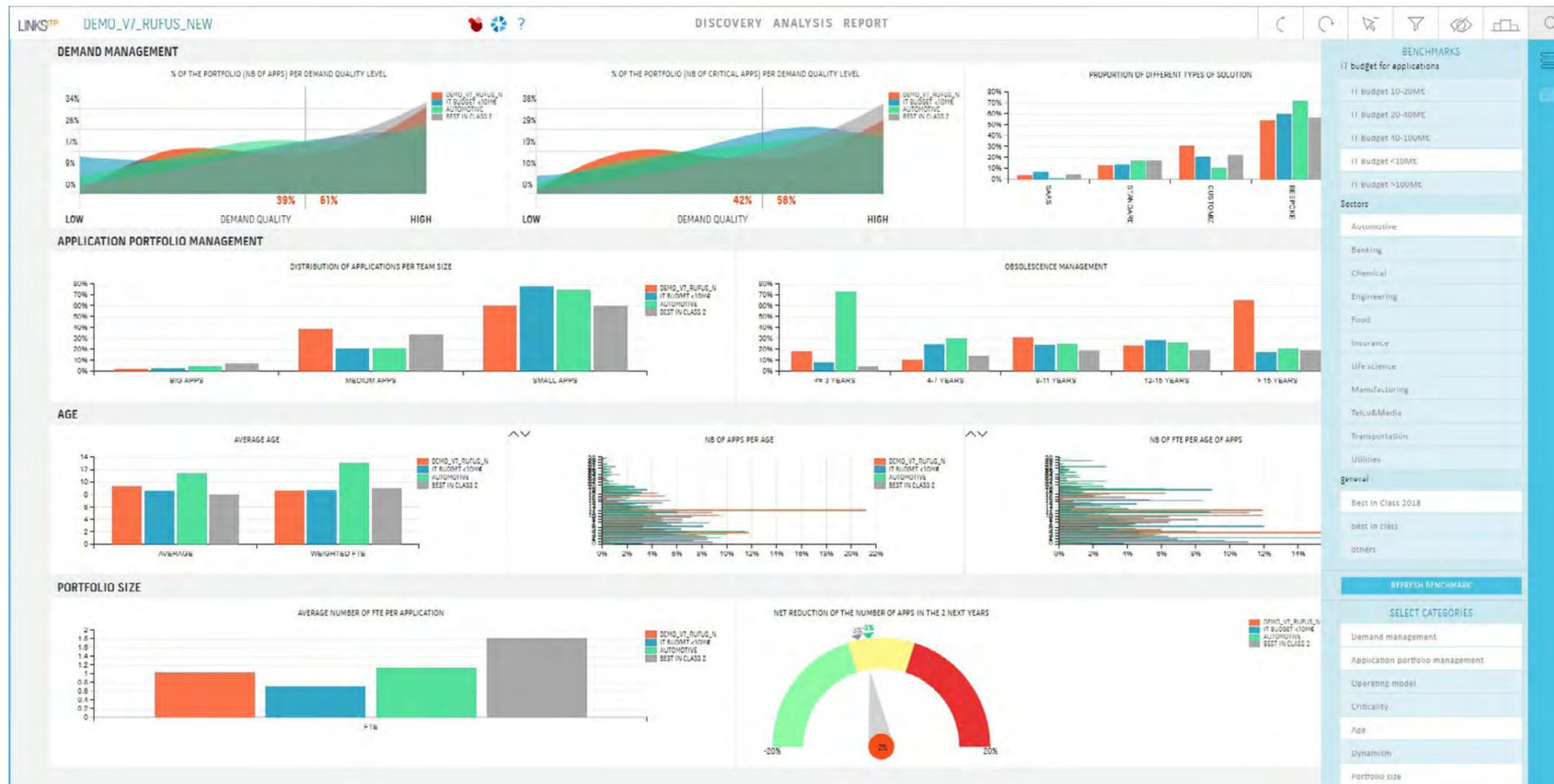
The extensive benchmarks powered by an Artificial Intelligence engine analyze the data to find correlations. You can benchmark your performance against other organizations. 40 key performance indicators are available to measure your IT portfolio and organization efficiency against benchmarks covering 13 industry sectors, all geographies according to IT organization sizes; and pinpoint areas for improvement such as Demand Management, Operating models, Criticality, Age, Dynamism or Portfolio size.

LINKS^{ITP} shows how:

- you are positioned with respect to cost effectiveness and business value
- you perform on key dimensions.

The typical questions a CIO is facing and the answers based on the data analyzed are given. The supporting facts can be further drilled down. LINKS^{ITP} also makes recommendations on how to overcome the weaknesses identified by proposing specific remedial actions.

Key characteristics observed in your portfolio can also be displayed in a word cloud split by strengths and weaknesses, offering another way to get into the details.



Drive your IT digital journey

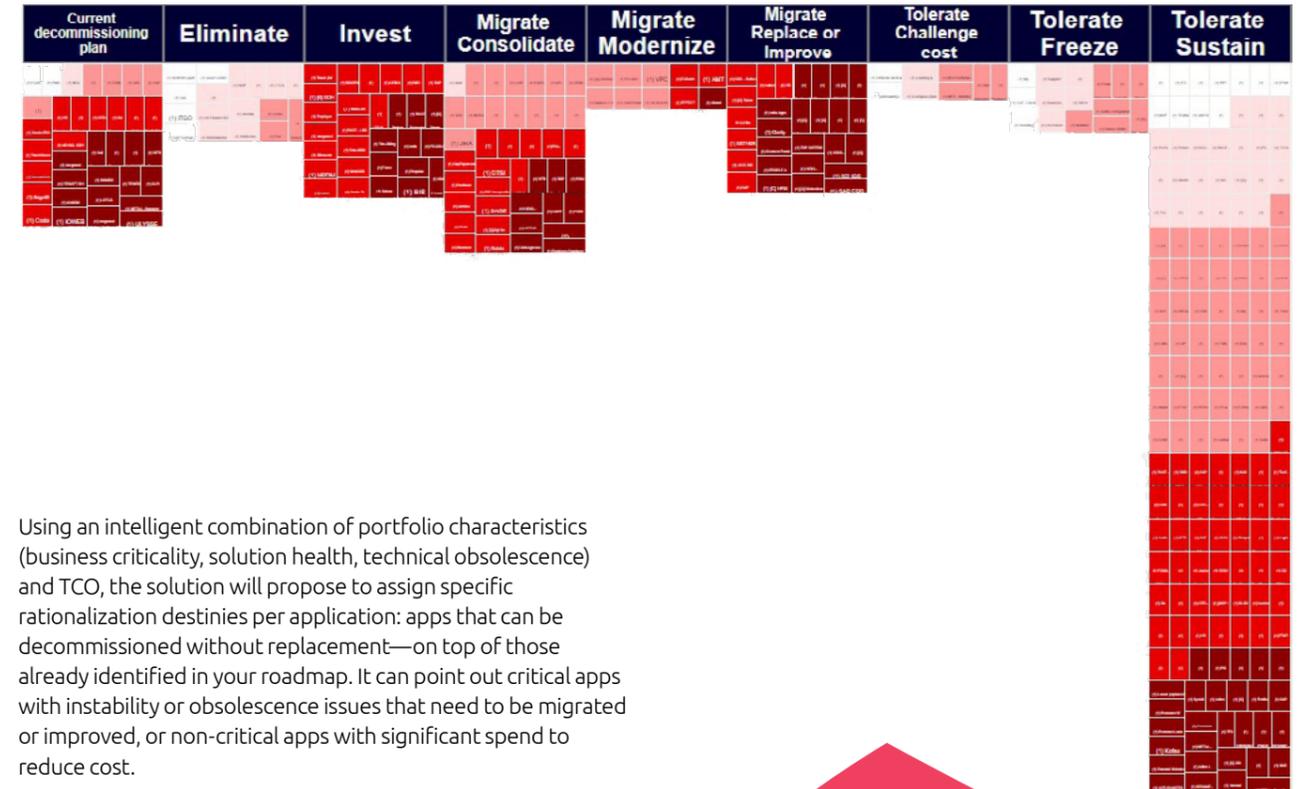
Optimize your IT landscape

An automatic application portfolio analysis gives the potential destiny for each app based on its characteristics.

This application destiny is based on Gartner™ TIME terminology.

Tolerate		Tolerate—Challenge the costs Evaluate redesigning the application or the industrial organization set up for its maintenance and changes in order to reduce costs.
		Tolerate—Freeze Stop any new investment on the application - consider a decommissioning in the medium term.
		Tolerate—Continue Good asset—continue to maintain and enhance this application by optimizing costs.
Invest		Invest Good asset that can be valued by additional features and therefore additional investments
Migrate		Migrate—Consolidate Reduce functional redundancy by consolidating this application with one or several others
		Migrate—Modernize Migrate the application to a modern platform that is more efficient, maintainable, and aligned with the company's technical strategy
		Migrate—Replace/Improve Specify business needs and replace with a new solution (SaaS if possible) or implement a plan to improve existing components
Eliminate		Eliminate Decommission applications as soon as possible in a controlled manner while preserving essential data.

Figure 5- Portfolio rationalization



Using an intelligent combination of portfolio characteristics (business criticality, solution health, technical obsolescence) and TCO, the solution will propose to assign specific rationalization destinies per application: apps that can be decommissioned without replacement—on top of those already identified in your roadmap. It can point out critical apps with instability or obsolescence issues that need to be migrated or improved, or non-critical apps with significant spend to reduce cost.

The initial destiny is calculated from the application's attributes (e.g., criticality, use, TCO, redundancy, obsolescence, etc. ...). A user can still overload this destiny in order to take into account the constraints or a plan of action already defined.

Challenge your Digital transformation roadmap

How well is your IT team equipped to meet the needs of your future digital enterprise? Our IT digital readiness is computed per business domain and according to the effort spent on changes and projects. We look at multiple factors to gauge the digital readiness. Chief among them are the adoption of

digital technologies, the agility of your delivery model and the adaptability of your existing portfolio of applications. LINKS^{ITP} makes it possible to simulate the impact of specific actions to improve digital readiness and save it.



Figure 6- Digital readiness

DevOps is fast becoming a must-to-meet the time to market demands from business.

To identify the best-suited applications to deploy DevOps, LINKS^{ITP} looks at two factors: the change index, which is a

combination of the number of go-lives and the percentage spent on changes; and the ratio of virtualized servers used by the applications.

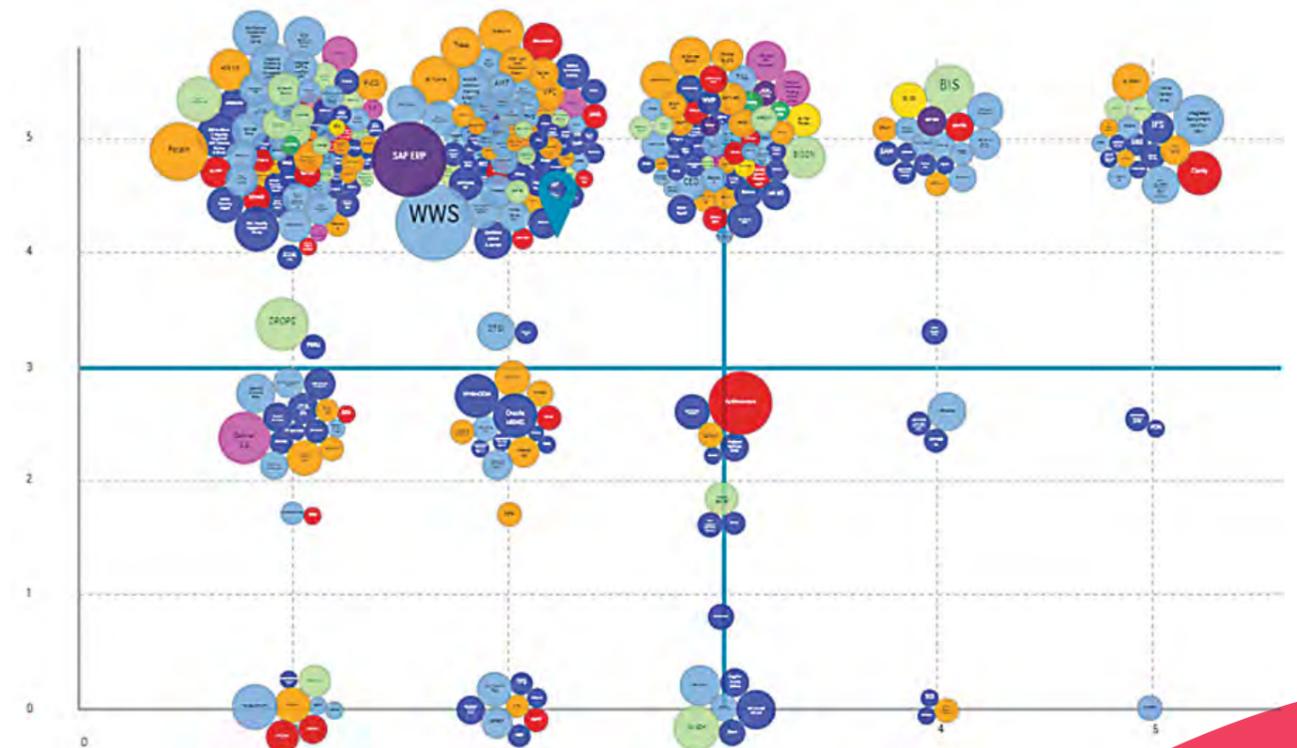
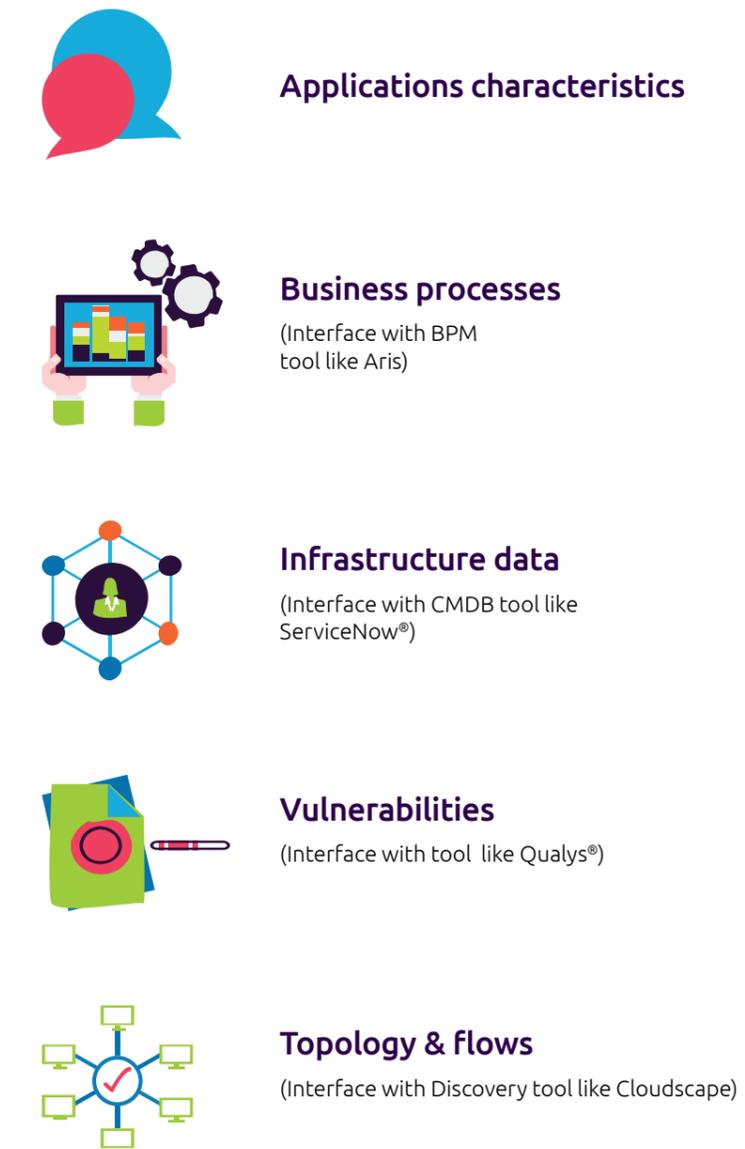


Figure 7 - DevOps IT readiness

Enrich your move-to-cloud strategy

LINKSTM can analyze specific data related to both application and infrastructure elements to identify the preferred target infrastructure for each application. LINKSTM identifies

applications that can be retained on premise or hosted on public or private IaaS or PaaS.



Preferred cloud destiny is proposed for each application:

- Public cloud IaaS or PaaS
- Private cloud IaaS or PaaS
- Keep on-premises

Our difference lies in our holistic and pragmatic approach

Specific cloud analysis attributes are collected into LINKS^{ITP}: portability of licenses, hardware architecture, data location, data classification, security procedures, fraud or attack target, application access mode, web server used if web application, usage if web application, availability requirements, bandwidth requirements, user location

(number of continents, number of countries), number of interfaces, interface protocols used, RTO (maximum interruption time)/RPO (maximum loss of saved data) requirements, response time requirements, resources consumption or virtual machine installation capacity.

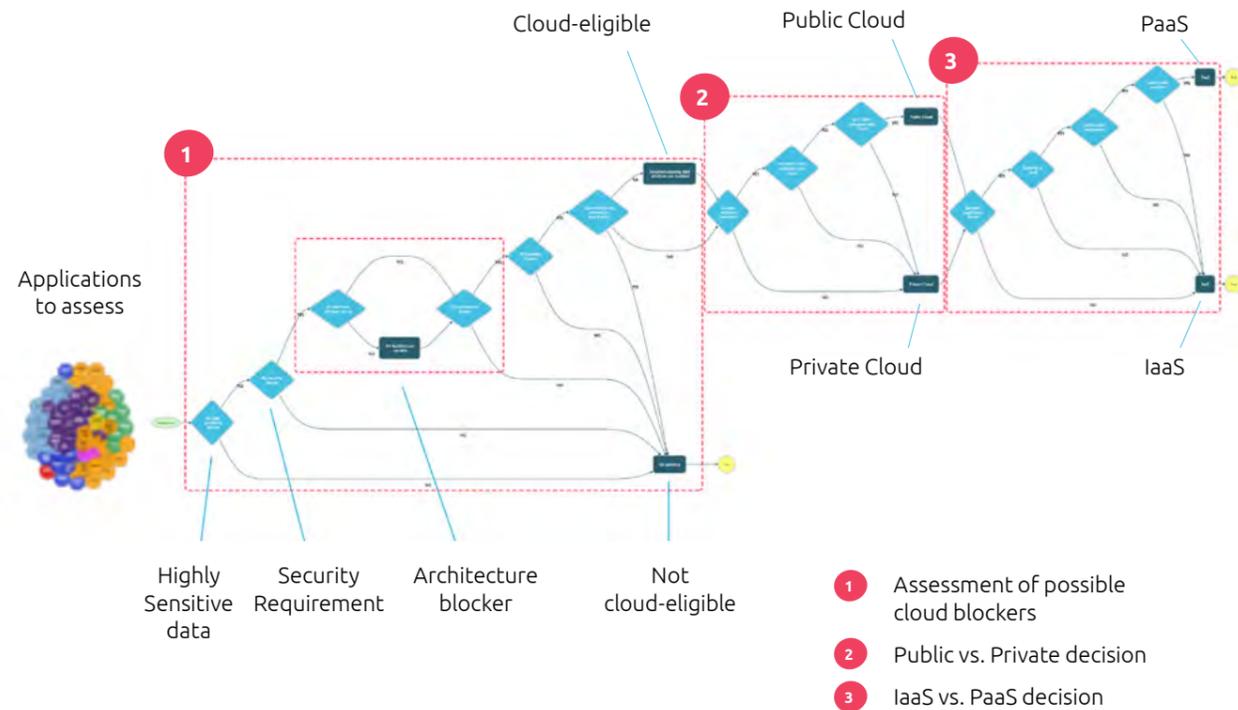


Figure 9 - Rapidly select, visualize lists of candidate applications according to a configurable Decision Tree

LINKS^{ITP} provides interfaces to software like Cloudscape, ServiceNow®, ARIS® to import data so that architecture or operating systems information described in the CMDB, complemented with the interfaces collected through a flow collection are also leveraged.

Based on this information, LINKS^{ITP} calculates an eligibility index for each application. Calculation formulas may be configured in order to contextualize the decision tree and define each application's target architecture according to its characteristics: on-premise, public or private cloud, IaaS, or PaaS.

eAPM provides portfolio inventory, rationalization opportunities, all the benefits of the “to-be” Industrial Model, sourcing strategy, offshorability, cloud suitability, etc.

Based on our assessment approach, eAPM:

1. Provides unique and fact-based insights within a few weeks
 - Our bottom-up approach gives actionable insights—fast
2. Addresses both the IT portfolio and the organization
 - To deliver sustainable IT performance over the long term
3. Generates a practical action plan with committed savings
 - We deliver and help execute a transformation plan taking into account the client's constraints

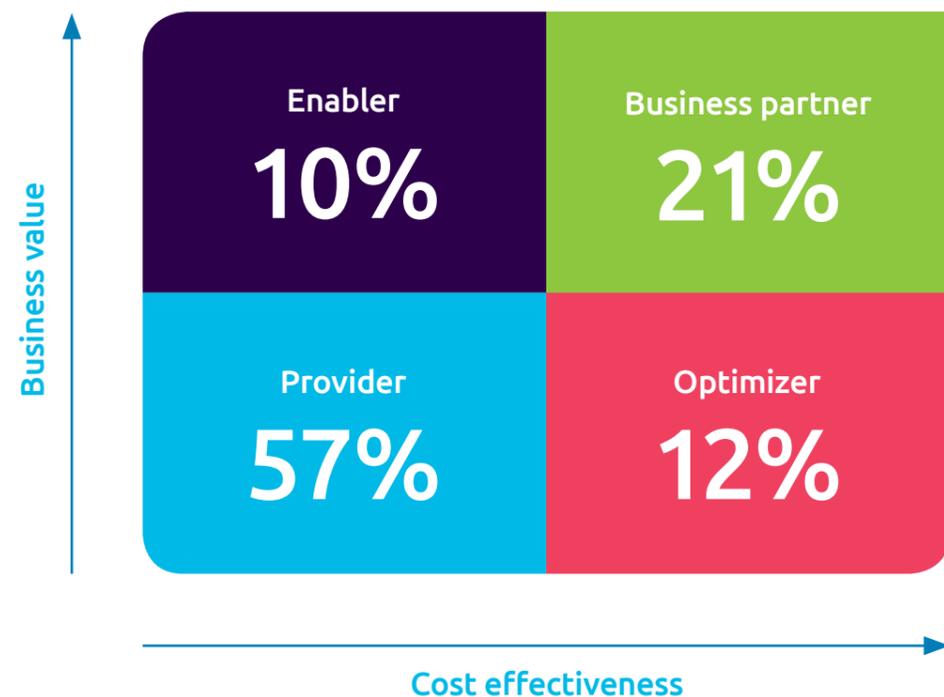
As a result, your organization can:

- Make the right decision
 - and model “what if” scenarios
- Secure the transformation
 - and steer its execution

What focus on your IT foundations will bring you

According to our recent study, there are still a substantial number of IT organizations that are yet to achieve the position of "Business Partner" on our IT maturity quadrant. This essentially means that these organizations have not yet mastered the art of industrial delivery (continuously optimized cost and a well-managed portfolio) to secure their business as usual and consequently are unable to lead their

digital transformation proactively and effectively. In our view, industrialized delivery is a foundational step to reach the status of "Business Partner." Not only to free up budget and resources for innovation, but also to increase the credibility of IT, easing the path to become a business partner.



The enabler

IT is oriented towards high business satisfaction. Its initiatives on the applications portfolio contribute to business value.

The business partner

Optimized cost and managed portfolio. IT supports digital transformation or globalization.

The provider

No plan for structural savings, opportunistic approach in everything: solution, sourcing, etc.

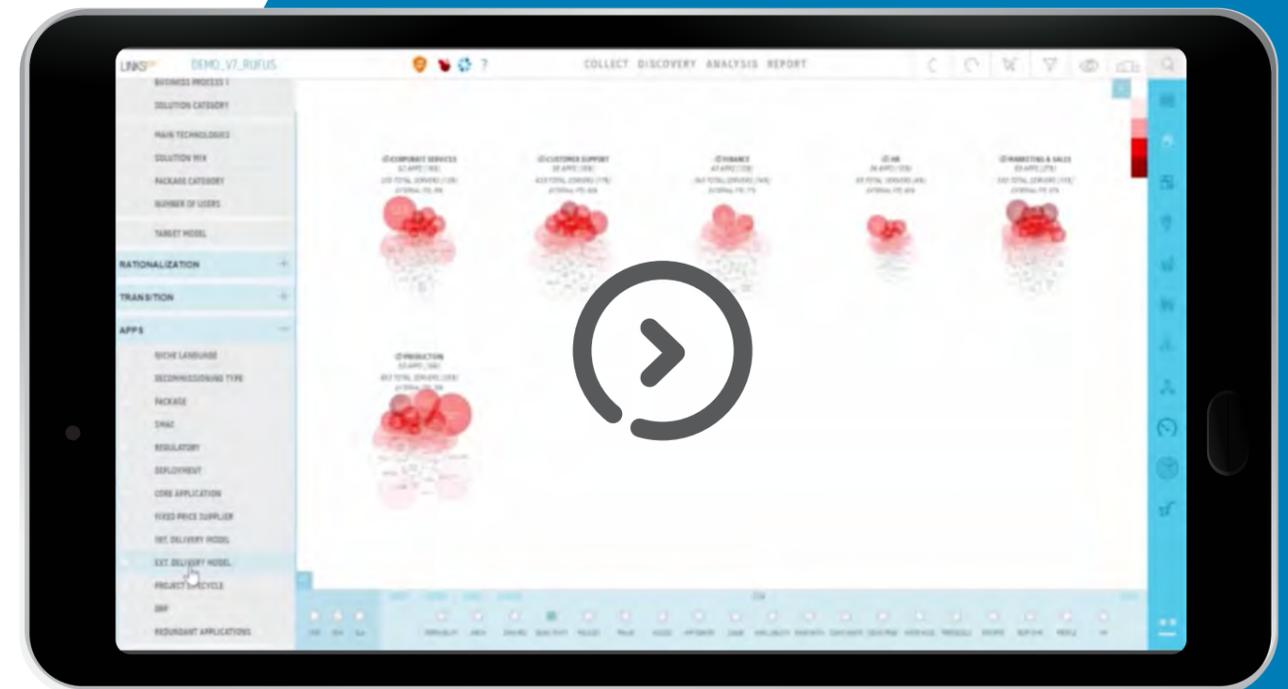
The optimizer

Focused on IT cost reduction and a performance-based culture is driven throughout.

Would like to know more about the solution supporting eAPM? To view a demo, scan the full page with Layar, the free augmented reality app.



WATCH A DEMO OF LINKS^{ITP} WITH LAYAR



You can also view the demo by clicking on the screen above.



About Capgemini

A global leader in consulting, technology services and digital transformation, Capgemini is at the forefront of innovation to address the entire breadth of clients' opportunities in the evolving world of cloud, digital and platforms. Building on its strong 50-year heritage and deep industry-specific expertise, Capgemini enables organizations to realize their business ambitions through an array of services from strategy to operations. Capgemini is driven by the conviction that the business value of technology comes from and through people. It is a multicultural company of 200,000 team members in over 40 countries. The Group reported 2017 global revenues of EUR 12.8 billion.

Visit us at

www.capgemini.com/eapm

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