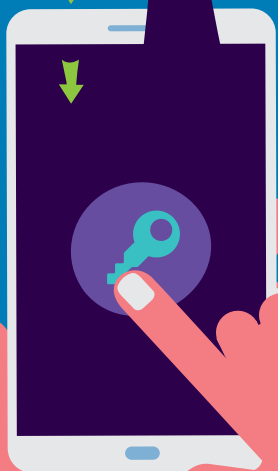




Data Center Transformation

Achieving your vision of next-generation run doesn't have to be so complex.



Control the complexity of Data Center Transformation.

It's no secret that data centers have become exponentially more complex in recent years. Everything that touches the data center is undergoing a Big Bang-style explosion in growth and diversification: systems, technologies, applications, processes, suppliers, staffing requirements, regulatory mandates, and merger-and-acquisition (M&A) activity.

But what is the secret to successful data center transformation in the face of this ever-increasing complexity? For example:

- How do you transform the opportunities of the digital age into effective strategies for data center consolidation, migration, and relocation?
- How do you strike the right balance between immediate business priorities—such as cutting data center costs, streamlining processes, and improving service quality—and more visionary goals such as harnessing the IoT, cognitive computing, DevOps, and automation to drive new competitive advantages?
- How do you accomplish data center transformation quickly, without disrupting existing processes and without risking unplanned outages, security breaches, or compliance issues?

Capgemini is uniquely successful at helping large enterprises in all sectors with complex transformation initiatives. We have the experience, methodologies, tools, and partners to help you where you need help the most: managing the overwhelming complexity from planning and executing a business-focused data center transformation initiative.

Traditional transformation options: What could go wrong?

Typically, enterprises consider three options when contemplating data center transformation: go it alone using internal resources; hire a self-proclaimed data center transformation specialist; or engage with the consulting arm of a global service provider. Each of these approaches has its merits, but also distinct disadvantages. For example:

- The “do it yourself” approach often underestimates the need for rigorous planning. Many companies assume they have the internal knowledge and skill sets to create an effective transformation road map. They learn the “80/20 rule” the hard way: spending 80% in planning and preparation and 20% in actual execution will reduce the timelines and total cost of project, not the other way around. All too often the result is unplanned outages and remediation, increased post-migration support, and unexpected delays. Moreover, many companies underestimate the need to collect additional data, information and documentation from various sources across their enterprise to better understand key dependencies.
- The “specialist” approach can work well in small-scale transformation projects such as one-off consolidation or relocation initiatives, but in many cases the service provider can't scale. Providing local, on-the-ground support to these projects is essential—without it the result is yet another dimension of complexity and constraint.
- Global consulting firms can provide the services and scale appropriate for data center transformation, but how do you choose the right one? These vendors vary widely in their methodologies and tools, in some cases creating dependencies on specific hardware or software. They also vary in other important aspects such as their industry expertise, their knowledge of emerging technologies, and their experience with actual deployments.



Simple, successful Data Center Transformation

Capgemini offers a faster, more efficient, more effective approach to data center transformation. We combine a proven methodology, leading-edge tools, and project accelerators—delivered by transformation experts who work collaboratively with you to achieve your business objectives.

Capgemini can provide full-scale support across the end-to-end transformation journey, and we manage all phases of delivery, from strategy and planning to execution and implementation—including business case and business benefit tracking, along with procurement services relating to building new data centers or co-location facilities. Our approach is:

- **Comprehensive:** We address all variations of data center transformation, including consolidation, relocation, migration, and we have the expertise to assist with the most complex transformation requirements, in any industry, on a global scale. We also address all applications, from simple, standard applications to mission-critical business applications and very complex bespoke applications.
- **Platform agnostic:** We can migrate services and applications together with their underlying infrastructure components to multiple target platforms. Being platform agnostic allows us to bring you the full breadth of the marketplace and tailor a solution that is aligned to your objectives, rather than delivering a solution towered to one particular platform or technology.
- **Fast return on investment through planning and balance:** We understand the importance of quick wins and we design them into the transformation roadmap—but we do not shy away from the more complex, mission-critical elements of your initiative. This enables you to create a realistic and achievable business case for transformation that works in the long term as well as the short term. And

we do the hard work first: understanding your business goals, assessing your current environment and skill levels, and collaborating with multiple stakeholders to plan and prepare the data center transformation roadmap. Then we apply our proven, structured methodology and accelerators to move your initiative forward in the most efficient way possible. This enables us to deliver the expected results, on time and on budget, virtually anywhere in the world.

- **Integrated:** Capgemini will manage the complete ecosystem of suppliers required for each engagement. Working closely with our partners and your teams, we integrate all aspects of the environment—planning, operations, projects, and performance—making it easy for you to manage the complexities of multi-sourcing and accelerate your data center transformation.
- **Fast:** By using fit-for-purpose accelerators for consolidation, relocation, and migration projects, along with specific tool and process accelerators, Capgemini can significantly speed up data center transformation projects and get you to great results faster.
- **Non-disruptive:** One of our key objectives is to enable migration without critical incidents during or after cut-over to the new environment. We help ensure that your transformation initiatives do not result in any disruption to employees or business processes due to unplanned service outages.
- **Tailored to your organizational requirements:** Capgemini is very experienced at designing and implementing organizational structures that work for your particular requirements and deliver on your industry-specific KPIs, helping you prove your ability to deliver tangible results and make your business case.

Capgemini's end-to-end data center migration methodology

Capgemini delivers Data Center Transformation services through a four-phased methodology encompassing Advisory & Analysis, Assessment & Design, Planning & Preparation, and Migration & Execution.

Advisory & Analysis

The objective of this phase is to define the data center transformation strategy, recommendations, baseline inventory, and project fundamentals. Our experts work closely with your team to collect and review data, conduct interviews with stakeholders, analyze and define a strategy, and create the high-level financials in the form of a business case. Output includes a detailed project report with key recommendations and roadmap of activities, based on the first analysis of the inventory.

Assessment & Design

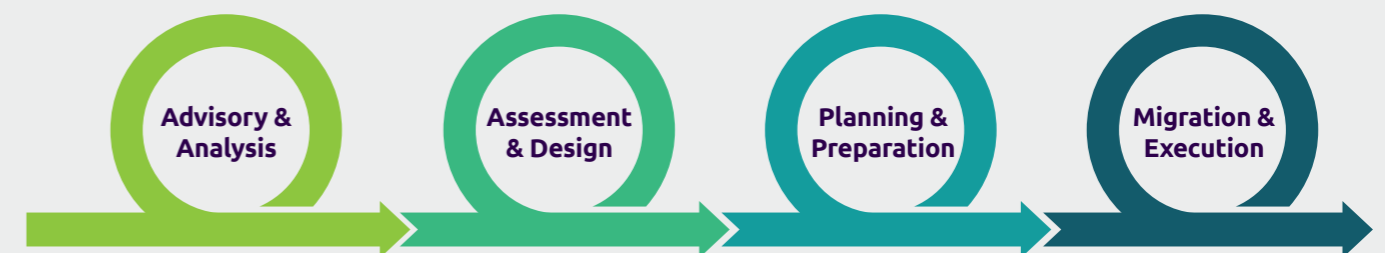
This phase establishes the scope, budget and project plan based on further detailed assessment and analysis of the landscape. It provides detailed project financials including resource planning, a high level dependency mapping for various scenarios, along with risk handling and mitigation recommendations, recommended timelines, a high-level migration blueprint, inventory assessment workbooks, as well as any updates to the business case.

Planning & Preparation

The objectives of this phase are to define change batches (CBs) and batch move plans, as well as to create requests for changes (RFCs) and align the organization for execution. The physical inventory for each CB in scope is finalized and verified, along with resource needs and detailed timelines. Output of the planning phase includes a migration blueprint & CB planning, preparation of batch run books and assessment workbooks, resource planning & allocation, service windows approvals, etc. A detailed cut-over plan is finalized, along with verified templates (run book & assessment), RFCs & run schedules.

Migration & Execution

The holistic and thorough preparation provided by Capgemini ensures a successfully executed migration that delivers a strong ROI. The final phase is aimed at RFC/batch execution, hand-over to operations, and decommissioning of activities, servers and systems. Specifically, we work with the migration factory teams as well as other technical teams to secure the execution of RFCs/work orders/run books, test verification, documentation updates and lesson learned reviews prior to hand-over to IT operations. Part of that work include working with client or 3rd party technical teams to ensure decommissioning of servers and infrastructure, as well as close down facilities such as data centers or rooms.





Experience the difference.

In addition to the advantages above, Capgemini offers a unique combination of experience and expertise, technical resources, global reach, and business focus that truly sets us apart. More specifically:

- **You have access to expert, collaborative teams:** We channel the expertise of thousands of global professionals and leading technology partners, and we put the right tools in the hands of your teams. Our collaborative approach, driven by transformation subject matter experts (SMEs) helps you plan more effectively while also overcoming resistance to change.
- **We deliver the “what” AND the “how.”** Capgemini can provide expert advice and assistance in what needs to be implemented to achieve your data center transformation goals—and we can execute and manage the strategy for you. We are a single source for comprehensive, end-to-end solutions.

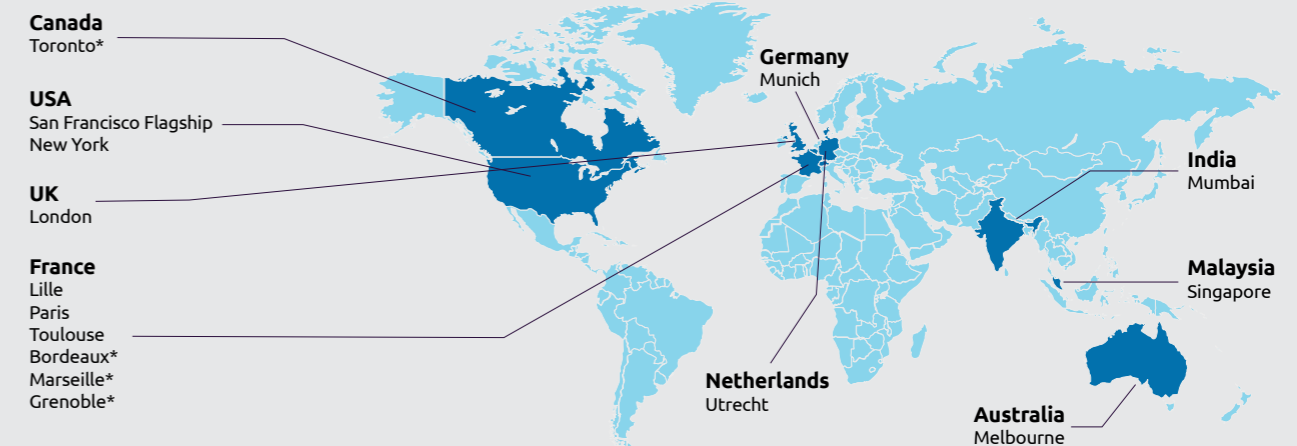
- **We help you innovate.** Capgemini engagements give you access to the Applied Innovation Exchange (AIE), a global platform that enables clients to discover, experiment, contextualize and apply the most relevant innovations. The Exchanges offer deep sector expertise to enable you to apply these innovations to your specific business context.

Applied Innovation Exchange is Capgemini’s global platform designed to enable you to discover relevant innovations and to experiment with them within your specific industry.

Equally important, Capgemini can show you sector-specific client references from many of the largest and most complex enterprises in the world. We have managed major, mission-critical transformation initiatives in virtually all industries, including manufacturing, financial services, utilities, government, retail, telecommunications, and more.

We’ve also done this ourselves, achieving aggressive data center transformation goals with internal data center consolidation, relocation, and migration projects.

Just ask, and we’ll be happy to provide multiple client references from your industry, or details about our internal data center transformation projects.



*Applied Innovation Discover

Applied Innovation Exchange is Capgemini’s global platform designed to enable you to discover relevant innovations and to experiment with them within your specific industry.

Connect with Capgemini.

Contact Capgemini today for details about our comprehensive Data Center Transformation services

portfolio. We extract complexity so that you can focus on business priorities, and our unique combination of proven methodologies and global experience can empower you to achieve your vision of next-generation run capabilities—today.



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.

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