



Making a difference for our Client Transformation journey using IBM Consulting's Green IT & Sustainability Offerings on Azure

IBM Consulting – Green IT & Sustainability on Azure

IBM Consulting is a Trusted Partner for global Azure clients. Across the industries, IBM Consulting differentiates its solutions with our offerings, strong alliance with Microsoft, innovative engagement services (Sustainability Risk Assessment of cloud workload) and leveraging world best Azure competencies globally.



How IBM has walked the talk with an FMCG Client

FMCG Client's Innovation team partnered with IBM Consulting to create a structured framework to assess and guide in the design and build of green sustainable applications. IBM Consulting supported review Client's Conversational AI Reference Architecture from a Sustainability perspective and provided actionable recommendations for making applications more carbon efficient.

WHAT WE OFFER

Our Green IT & Sustainability on Azure Offerings provide an assessment framework for following cloud workloads:

- Already migrated to Azure
- Those planned for migration and modernization.

We have developed an end-to-end "Assessment Framework" to provide our clients with Sustainability Maturity and Risk Identification. Subsequently, we can support in the implementation of transformation initiatives to address the risks.

Sustainability Risk Assessment will be carried out in Platform, Application, Data, Operations and People & Culture areas.

IBM Consulting differentiators are:

- Strong alliance with Microsoft & Red Hat
- Pre-built solution offerings embedding Sustainability Design Principles
- Tools & Accelerators
- IBM Garage Methodology

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To support our Client's transformation with Sustainability measures, IBM Consulting in partnership with Microsoft has developed an end-to-end solution framework which is an integrated and continuous process as follows:

Solution Framework

Quantify

Energy and CFP per workload, tenant, VM, container, Service, etc.

Assess

Identify hotspots and applicable strategies and calculate potential savings.

Optimize

Set of controllers to dynamically optimize the carbon footprint and a transformational roadmap through Migration & Modernization

Operationalize

Continuously monitor, report and insight on resource consumption & IT KPIs for sustainability.

The Path Forward

Green IT Strategy

- Carbon Footprint Measurement for IT Estate
- IT Sustainability Maturity Assessment
- IT Sustainability Strategy, Roadmap/Blueprint/CoE

Green IT Transformation

- Green Coding
- Application Build & Integration (designed for sustainability)
- Application & Data Migration (designed for sustainability)
- Application & Data Modernization (designed for sustainability)
- Platform optimization

Green IT Operations

- Sustainable IT Operations (SusOps)
- Sustainability AI Ops & Sustainability Engineering
- Sustainability Quality Engineering



Microsoft Azure is an ever-expanding set of cloud computing services to help your organization meet its business challenges. With Azure, your business or organization has the freedom to build, manage, and deploy applications on a massive, global network using your preferred tools and frameworks.

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