



G-Cloud 15 Service Definition

**Accenture Green Application Measurement &
Advisory Services**

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accenture

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1.0 Scope of our services

Accenture's Green Application measurement and advisory service helps client's baseline and reduce the carbon footprint of their applications. This includes understanding and optimising emissions in the data lifecycle via the Green Data Advisor, utilising Green UI/UX Advisor to identify opportunities for material reductions in UI emissions areas, and performing static code analysis which can identify problem areas in code to improve the sustainability of software design and implementation through CAST.

Scope

Green Data Advisor helps clients understand the application's Green Data maturity index, i.e. how green /sustainable the data is, and enables them to reduce their emissions through a set of actionable recommendations across the various stages of data lifecycle.

Key functionality

Green Data Advisor follows a questionnaire-based assessment across seven material impact areas of Data ingestion, pipelines, storage, queries/usage, backups, data management, and data delivery. It generates actionable recommendations for the developer on these areas across 3 dimensions of people, process, and technology. GreenX is a set of tools for realizing Green Software.

Approach

The Green Data Advisor:

- Gauges overall sustainability of key project decisions across data lifecycle.
- Scores Green data in the range 0 to 1 (1 being best)
- Report created with overall score and breakdown across data lifecycle.
- Best practice recommendations - approach, ease of adoption, sustainability benefits.
- Covers traditional data engineering as well as LLM/Gen AI data pipelines.

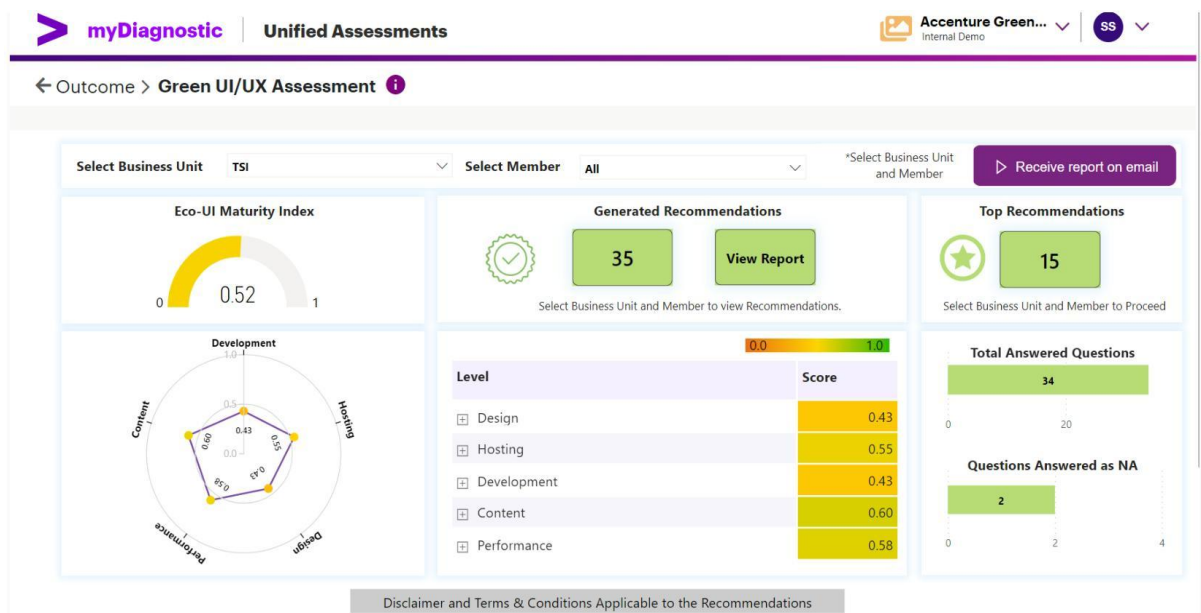
Benefits

- Awareness of data decisions and their impact on sustainability
- Evidence based recommendations for greener choices during data lifecycle.
- Reputation: clients value sustainability and fund value aligned products/services.
- Reduced cost of IT operations related to Data.
- Failure to comply to tightening regulations may result in fines.

Green UI/UX Advisor

Scope

The Green UI/UX Advisor supports the identification of opportunities to materially reduce UI emissions from the software systems and to quickly gauge overall sustainability. GreenX is a set of tools for realizing Green Software.



Key Functionality

The **Green UI/UX Advisor** is an assessment questionnaire hosted in myDiagnostic and helps to identify opportunities for material reduction in UI emissions from the software systems and to quickly gauge an overall sustainability rating for a software project across 5 key dimensions: Design, Hosting, Development, Content & Performance.

Green UI/UX Advisor provides recommendations and enables the project team to deep dive into those specific areas to leverage action items, allowing further sustainability optimisations. Additionally, it includes a post-assessment submission dashboard that shows the EcoUI Maturity of the overall web project and across individual dimensions.

The Chrome plugin provides a baseline of carbon emissions and measures them against a standard. The plugin also validates the page size against the standard.

Approach

Using assessment responses, Green UI/UX Advisor calculates the current Eco UI Maturity Index and its break-down across each dimension, allowing the identification of areas for improvement. System generated recommendations and advisory enables the project team to deep dive into those specific areas and leverage action items to optimize them further for sustainability.

Key Benefits

- Evaluates and quantifies the greenness of user interfaces.
- Provides recommendations for improvement of Green UI/UX Principles

- Benchmarking of carbon emissions per page and page size
- Provides awareness and direction for further deep dives

CAST

Scope

CAST Green Code Analysis performs static code assessments which can identify problem areas in code and help highlight opportunities to improve the sustainability of software design and implementation through reduction of unnecessary energy usage and carbon emissions.

Key Functionality

The CAST AIP aims to find the quality lapses in an application using language analysers and uses a set of industry best practice rules for the same. Customers can use browser- based dashboards to understand the analysis conducted by the CAST tool. Some of these dashboards are:

- Health Dashboard (CAST HD)
- Engineering Dashboard (ED)
- Legacy CAST Engineering Dashboard (CED)
- Legacy CAST Discovery Portal (CDP)

Approach

- Green code assessment and baselining of application server energy consumption
- Critical source code violations identified, solved, prioritised and road mapped.
- Improve application sustainability; fix priority violations / with Accenture's Self-fix tool NOGGIN.
- Code reassessment. Measure Energy Consumption reduction with Accenture Green DevOps.

Key benefits

- Knowledge of environmental compliance of the application and baseline carbon emissions.
- Identify Critical business applications which impact the environment.
- Calculate Sustainability Index & explain energy implications for each application.
- Benchmark Sustainability Index with Industry standards.
- Approach and timeframe to fix Critical Code Violations for compliance
- Track technology decarbonisation progress (Rerun CAST) and report to stakeholders

2.0 Pricing

Please refer to the associated pricing document/ rate card relevant for this service.

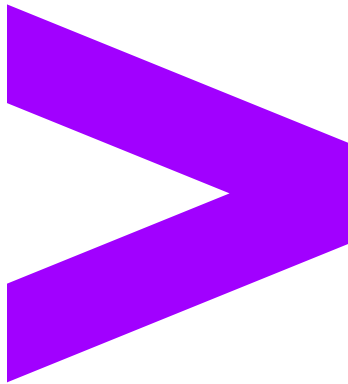
3.0 **Contacts**

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4.0 About Accenture

Accenture is a leading global professional services company that helps the world's leading businesses, governments and other organisations build their digital core, optimise their operations, accelerate revenue growth and enhance citizen services—creating tangible value at speed and scale. We are a talent- and innovation-led company with approximately 799,420 people serving clients in more than 120 countries. Technology is at the core of change today, and we are one of the world's leaders in helping drive that change, with strong ecosystem relationships. We combine our strength in technology and leadership in cloud, data and AI with unmatched industry experience, functional expertise and global delivery capability. We are uniquely able to deliver tangible outcomes because of our broad range of services, solutions and assets across Strategy & Consulting, Technology, Operations, Industry X and Song. These capabilities, together with our culture of shared success and commitment to creating 360° value, enable us to help our clients reinvent and build trusted, lasting relationships. We measure our success by the 360° value we create for our clients, each other, our shareholders, partners and communities



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