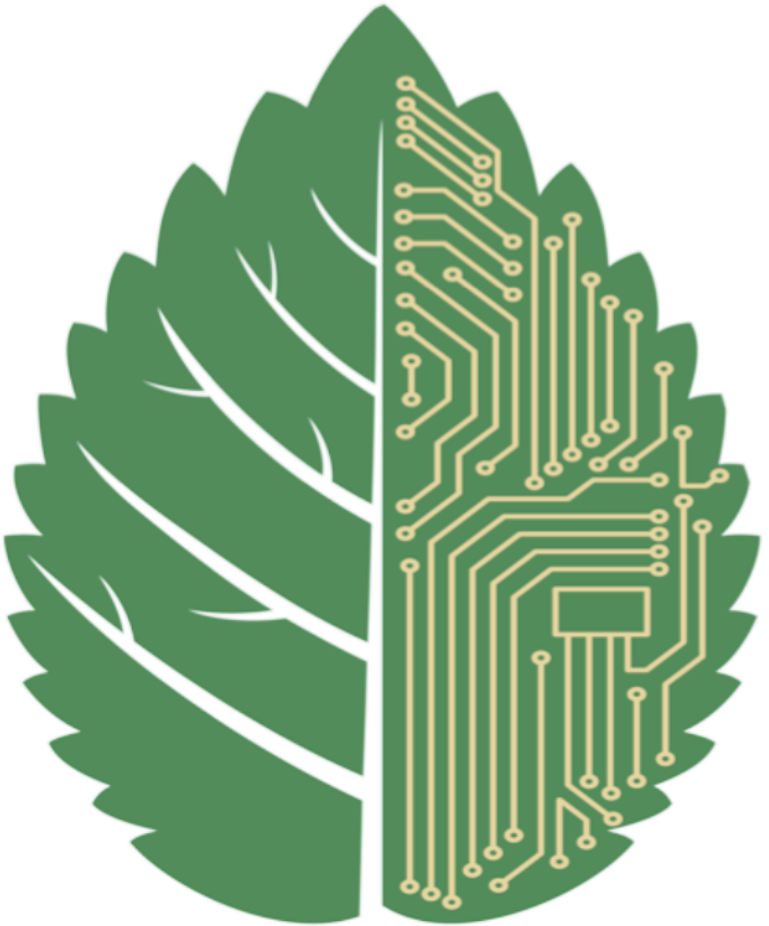
GREENIFY

TRANSLATING TECHNOLOGY TO LIFE

Problem Statement:

When building, deploying and maintaining IT solutions, we collect an abundant amount of data, but we do not translate it in terms of energy consumption and green impact.
Greenify thrives in translating data to its equivalent green score !



Who can benefit?

- BUSINESS STAKEHOLDERS
- ARCHITECTS & DESIGNERS
- IT INFRA DELIVERY
- DEVELOPERS

What?

Active monitoring of energy consumption for building, deployment and maintenance of software applications

Scores and Insights based Framework to assess Infrastructure, Network, and Green Coding Practices aimed towards net-zero economy

Why?

Increase in the amount of data processed

Data consumption is now 38 times greater than 10 years ago(1)

Explosion in the size of applications

The size of applications has grown 171 times in 20 years for the same purpose(2)

Every second, we collect and are responsible for massive amount of data

Energy-intensive digital systems

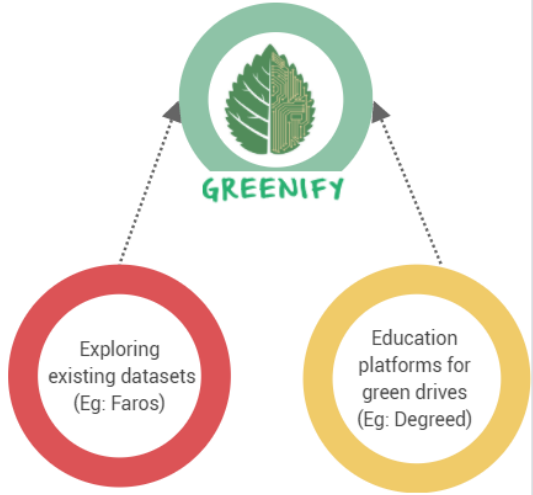
Digital systems consume 10% of the world's electricity consumption(3)

Significant environmental impact

They generate 4% of greenhouse gas emissions(4)

How?

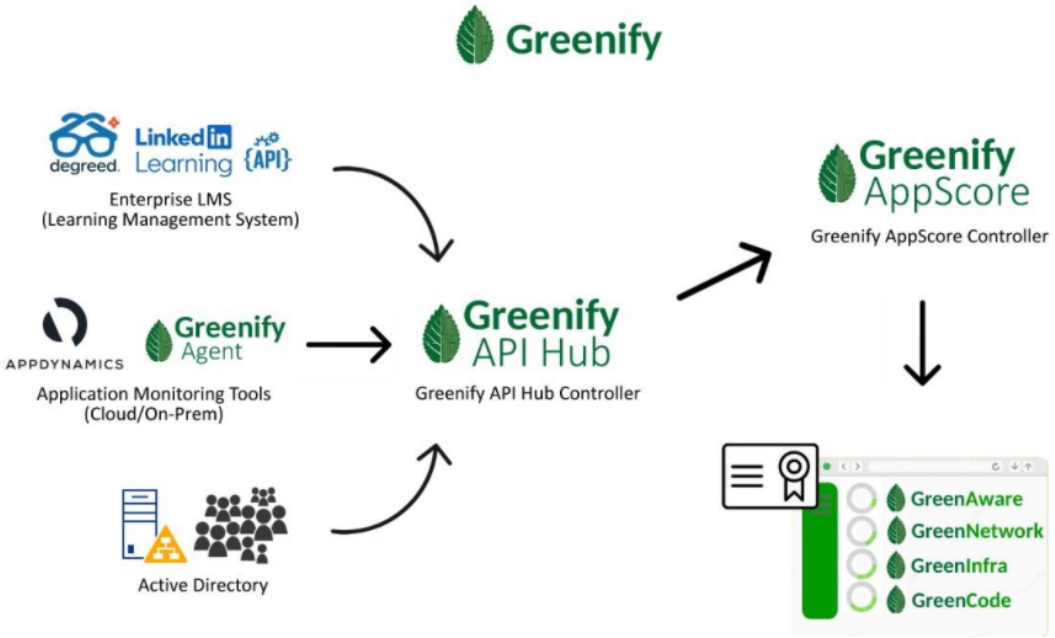
Scoring IT solutions in aspects of infra design, code efficiency, and network efficiency. Translating it into energy consumption savings. We would be addressing it in 2 ways:



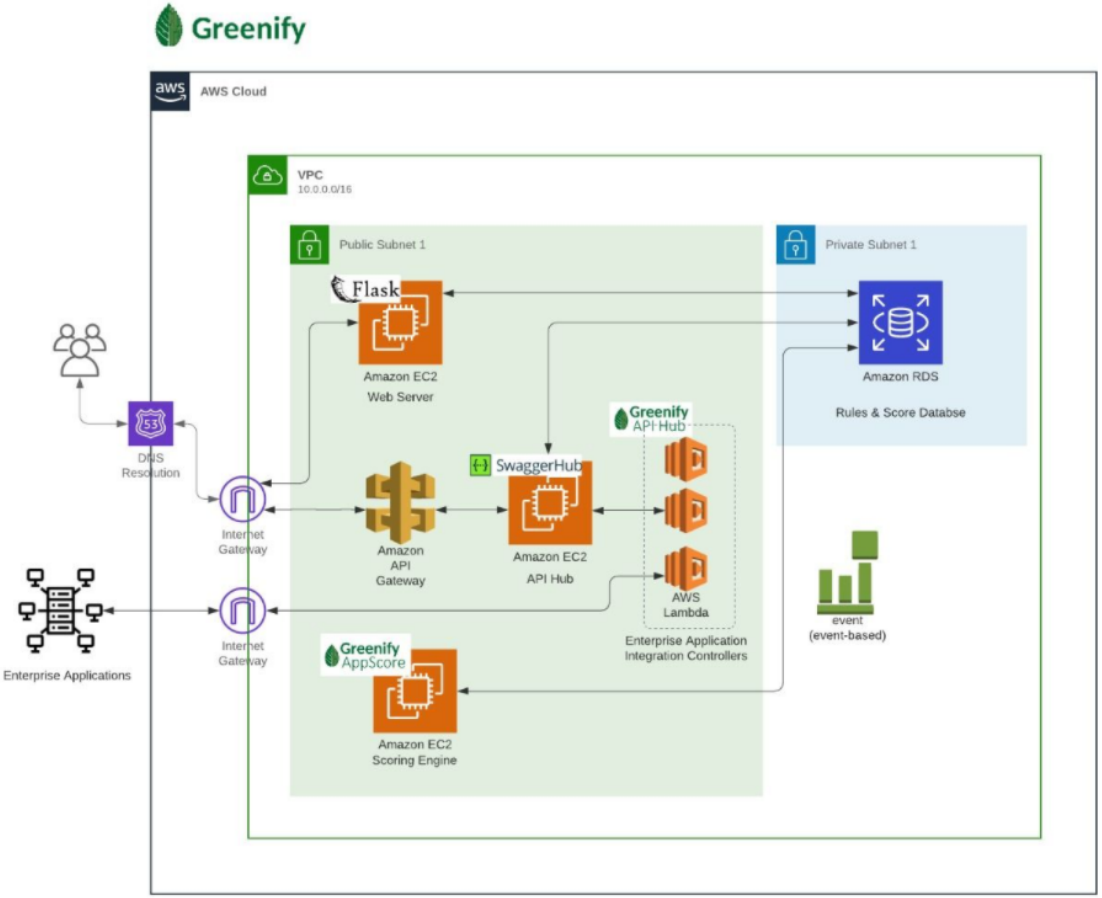
We care about environment and costs alike.

Greenify intends to reduce environmental impact, and when software consumes less, it costs less.

Operation Flow



Technical Components



Relevant Metrics

Infrastructure Score

% services and functions of the infra design purged

Software Score

% reduction in code time/space complexity

Network Score

% reduction in unnecessary communication b/w services

Competency Score

% increase in greener deployments

"Our bank is actually a gold mine of untapped data - we store about 275 petabytes of data, putting us in the same league as tech companies like Amazon, Facebook, Google and Microsoft."

~ Excerpt from HSBC Newswire Article, 21 June 2021

We need to make conscious efforts to start translating this data and become true pioneers in net-zero IT posture

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Funding and Execution

We have identified existing datalake(s) and are in a position to translate it into a energy-saving dashboard with our own metrics solution.

We would need support from ITID in identifying more datalakes and endpoints to feed into our metrics solution.

We would like to streamline solution across all IT units and and build comprehensive energy-saving dashboard for education purposes, promoting conscious IT deployments and achieving net sustainable IT industry standards.