

GREEN IT

6 practical ways to reduce your cloud carbon footprint (and your cloud bills!)

Making your cloud infrastructure sustainable is easier than you think! Start taking real steps toward optimizing your cloud consumption and bills: it all comes down to smarter, more efficient use and a culture of sobriety (which is beneficial for the environment and optimizing costs!)

1.

REMEMBER TO TURN OFF THAT TAP!

Evaluate running instances continuously and strategically turn off those that are not needed during periods of low demand to cut down on unnecessary energy consumption.

2.

RIGHT-SIZING RESOURCES TO OPTIMIZE CARBON EMISSIONS

Regular assessments help identify oversized resources and underutilized services, paving the way for smarter allocation.

3.

DYNAMIC SCALING

Embrace the auto-scaling capabilities offered by cloud providers: that way you can adjust resources to demand and strike a balance between performance and environmental responsibility.

4.

SERVER VIRTUALIZATION

Fewer servers, server virtualization, and consolidation techniques mean less power consumption, which directly translates into lower carbon emissions.

5.

EXPLORE THE ENERGY-EFFICIENT FUTURE

Leverage energy-efficient instance types and hardware, such as ARM-based processors, that consume less power compared to traditional x86-based instances.

6.

LOCALIZATION MATTERS: FACTORS TO CONSIDER

Choose cloud regions wisely based on low-carbon energy sources and avoid areas that heavily rely on coal. Consider these factors:

Seasonal Variations

Solar and wind production can waver based on weather conditions and time of year. This variation can influence the carbon footprint of a region as alternative energy sources may be employed during low-production periods.

Energy Storage Challenges

Some regions may rely on fossil fuels as a backup during low renewable energy availability, potentially offsetting the gains made by using renewables.

Energy Import/Export

Imported energy's source needs scrutiny; if it's from high-carbon sources, the overall impact could be counterproductive.

Pave the way for a greener, more efficient cloud computing landscape - the real change starts with you.