

Internet Data Center Lifespan



Overview

Data centers typically last 10-20 years overall, though components vary widely in durability. IT equipment like servers often cycles every 3-5 years due to tech upgrades, while infrastructure such as generators and cooling systems endures 15-30 years with proper maintenance. At the same time, many organizations are relying on older facilities that are approaching or exceeding their 10 to 15-year design lifespan. This. Companies on the hunt for more space pushed take-up for data centers to a record 352MW in Europe last year, while primary markets in North America jumped from 1. 45GW of net absorption, according to JLL analysts. Apply for. In order to begin outlining the lifespan of a Data Center, it is first important to distinguish which particular types of facilities we are discussing as well as the two main categories of equipment: infrastructure hardware, and IT equipment.



Article Content

Gauging the Length of a Data Center's Useful Life

Naturally, building a data center designed to still be running two decades or more from now requires a lot of educated guesswork. But without

How much capacity is in aging data centers? | Uptime Intelligence

As new capacity is concentrated in super-sized data centers and legacy facilities continue to operate in large numbers, market trends become more difficult to read. This report looks at how

Fundamentals of Managing the Data Center Life Cycle for Owners

Introduction However long a data center owner requires their facility to last; the physical infrastructure systems are expected to continuously live up to the facility design's performance specifications even

How Long Do Servers Last?

Regular data center hardware maintenance can help prolong the life of your equipment. Also purchasing refurbished and pre-owned hardware, can

90+ Data Center Industry Statistics | Fact-Checked 2026

Data Center Industry Statistics With global capacity reaching 11.6 GW in 2023 while power demand is projected to double to 1,000 TWh by 2026, this page tracks how fast buildouts are

Server Lifetime: How can I optimize my hardware lifecycle?

This maximizes the lifecycle of other enterprise data centers, allowing them to benefit from spare-part replacements. Sustainable practices like these

Strategic Data Center Lifecycle Management

How long can data center infrastructure be safely extended? With proactive maintenance and health scoring, most enterprise-grade systems can safely operate three to seven years beyond

Server Lifecycle

We are now 100% cloud or outsourced data center for our main data centers. We will see how we evolve the strategy for servers that still need to be physically at

AGING DATA CENTERS

Data centers can last 20 to 30 years, but its economically productive lifespan often caps at 10-15 years¹. Too often, enterprises attempt to squeeze as much life out of their data centers as possible despite

How to Build a Data Center to Last

The lifespan of a data center can vary significantly depending on several factors. While the average lifespan is typically between 10 and 20 years,

When Data Centers Age Out

Data centers are built to last, but not forever. As technology evolves, older facilities face increasing pressure to keep up with modern demands—higher

Data Center Maintenance and Care: Extending Lifespan

Effective maintenance and care practices can significantly contribute to extending the life of your data center while ensuring peak performance. Read on!

Schneider Electric Global | Your Energy Technology

As a global specialist in energy management, automation and digitalization in more than 100 countries, we offer integrated energy technology solutions across

Why data centers could hit obsolescence sooner than

Microsoft aims to run water-positive, zero-waste data centers by 2030, while Amazon Web Services are the world's largest renewable energy

How much capacity is in aging data centers?

New data center sites, on the scale of hundreds of megawatts each, will continue to proliferate to deliver digital products and services. This will make

Shut down

Data centers are not decommissioned automatically after 10 years. Instead, they're designed to operate for decades. Components are refreshed continuously—IT hardware every 3–5 years (often lasting

The data center life story

The tenants in the data center, meanwhile, can be like children, needing nurture and attention, sometimes being demanding, and sometimes

Data Center Lifespan Risk

Been there, done that, got the T shirt. Data Center Lifespan Risk Let's look deeper into data center lifespan risk. We define this risk as the probability of

What is the Lifespan of a Data Center

Data centers typically last 10–20 years overall, though components vary widely in durability. IT equipment like servers often cycles every 3–5 years due to tech upgrades, while infrastructure such

Taking a look at the lifespan of Data Centre components

In order to begin outlining the lifespan of a Data Center, it is first important to distinguish which particular types of facilities we are discussing as

Lifecycle Management in Data Centers: How Operators Handle Aging ...

The Lifecycle Clock: When Does a Data Center Get Old? Every data center begins its life as a cutting-edge build. But from the moment it comes online, the clock starts ticking. The...

Shut down

Because data centers are constructed and equipped at different times, equipment refreshes are ongoing, staggered, and routine—there is no single “10-year shutdown”. Instead, different hardware

How much capacity is in aging data centers?

As new capacity is concentrated in super-sized data centers and legacy facilities continue to operate in large numbers, market trends become

Sturdier Servers: Cloud Platforms Say Servers ...

A long row of racks housing servers inside the Google data center in Mayes County, Oklahoma. (Photo: Google) As of 2020, the estimated lifespan of a server on a

MIT Technology Review

MIT Technology Review's authoritative overview of the 10 technologies, emerging trends, bold ideas, and powerful movements in AI in 2026.

AGING DATA CENTERS

Data creation, consumption, and the need to store and process it may have no foreseeable end, but a data center facility has a closing date. Data centers can last 20 to 30 years, but its economically

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