



Revolutionizing Datacenter Connectivity: Unveiling an Innovative Cable Solution for Enhanced Performance and Efficiency

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Presentation Outline



1. Digital Transformation Impact
2. Trends on Digital Transformation
3. Current & Future Digital Transformation Initiatives
4. Q & A

The background is a complex, abstract digital design. It features a dark blue field filled with glowing light blue and white lines, dots, and circular patterns. Some of these patterns resemble radar screens or data visualizations, with concentric circles and radial lines. There are also larger, faint circular outlines that frame parts of the image. The overall effect is one of high-tech, digital connectivity and data flow.

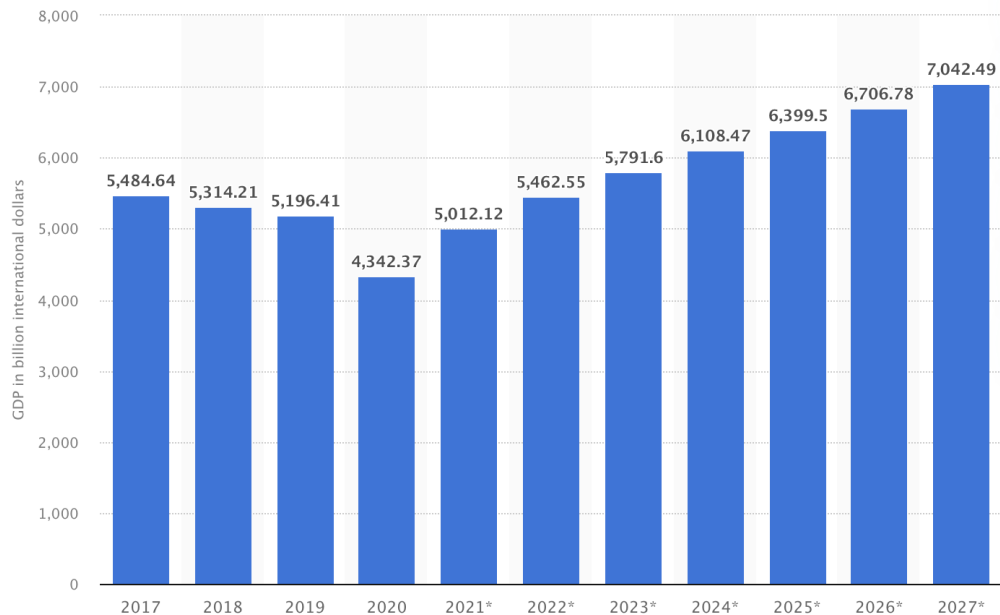
1. DIGITAL TRANSFORMATION IMPACT

1. Digital Transformation Impact

1.1. GDP in Latin America & Caribbean



GDP from 2017 to 2027

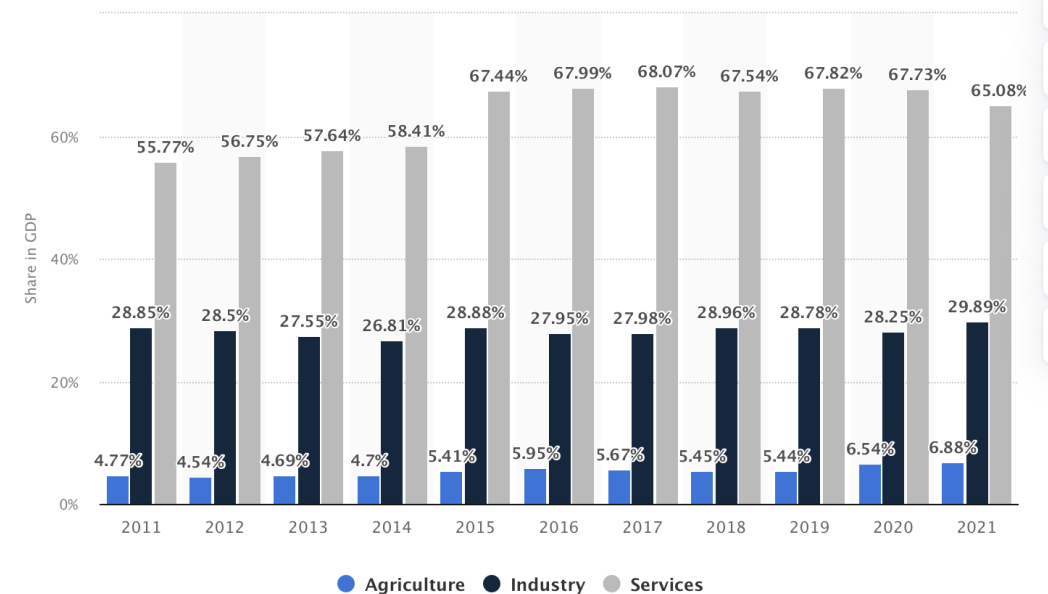


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Additional Information

Share of economic sectors in gross domestic product (GDP) from 2011 to 2021



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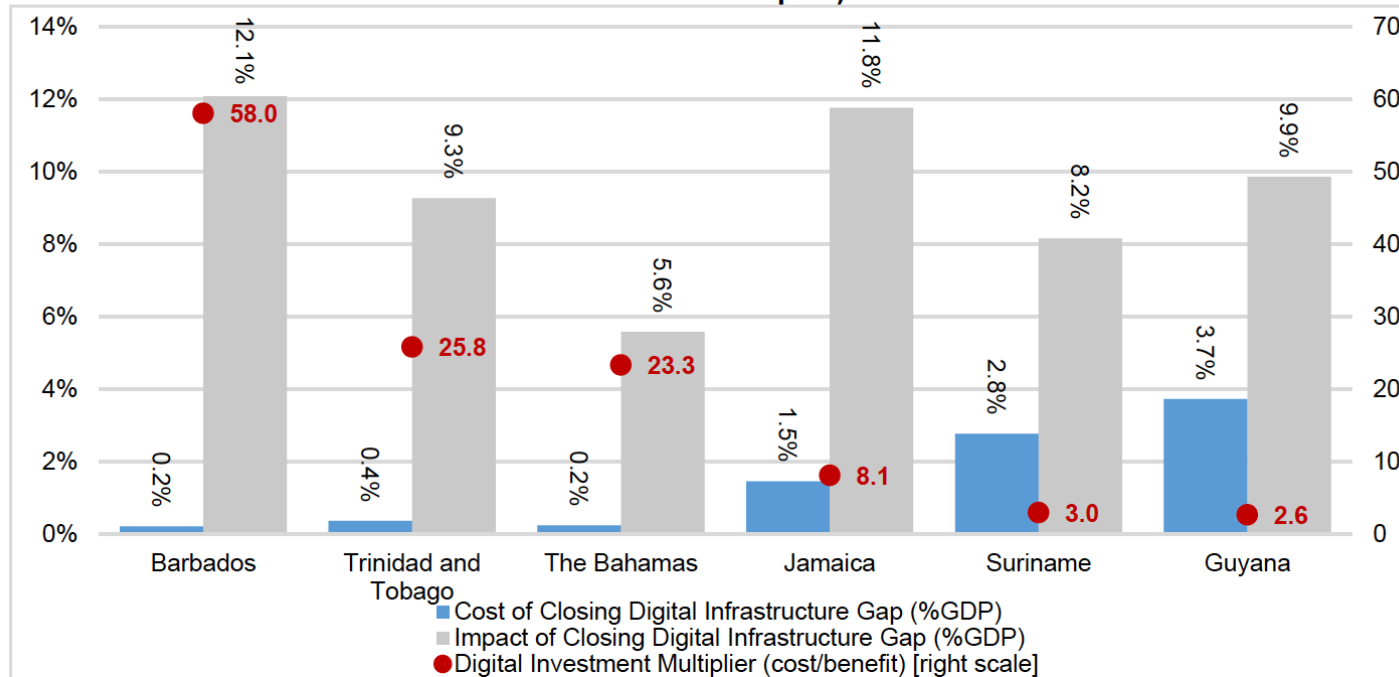
Additional Information

1. Digital Transformation Impact

1.2. Economical value of Digital Transformation in the Caribbean



Figure 4. Benefits versus Costs of Closing Digital Infrastructure Gaps in Caribbean Countries (percent of GDP and multiplier)



Source: Authors' calculations based on data from Zaballos et. al. (2021), Zaballos and Lopez-Rivas (2012), and IMF (2021).
Note: "Gap" refers to the cost of closing the estimated digital infrastructure gap relative to Organization for Economic Co-operation and Development economies. Figures expressed in percentage points are as of the end-2019 GDP. The multiplier is defined as the estimated GDP growth impact of closing these gaps relative to their costs.

The background of the slide is a perspective view of a server aisle in a data center. The server racks on both sides are filled with glowing blue lights, creating a sense of depth and technology. Overlaid on the left side are several circular, semi-transparent graphics that resemble radar or data analysis tools, with concentric circles and small data points. The overall color palette is dark blue and black, with bright blue highlights from the server lights.

2. TRENDS ON DIGITAL TRANSFORMATION

2. Trends on Digital Transformation

2.1. Caribbean Top Potential Digital Transformation Initiatives (1)



1. Digitalization & Connectivity

- The Broadband Commission for Sustainable Development reports that extending broadband access in developing countries can boost GDP growth by 1.4% and create jobs.
- The UN estimates that by connecting everyone in developing countries to the internet by 2030, it could lift an additional 500 million people out of poverty



2. Education & Skills Development

- A study by the WB found that access to computers in schools positively impacts student learning outcomes, including higher test scores and improved cognitive skills.
- The Digital Skills Observatory states that digital skills are increasingly essential for employment. In Europe alone, it is projected that by 2025, 90% of jobs will require at least basic digital skills.



3. E-Gov and Digital Services

- UN e-Gov Survey 2020 reported that 71% of countries implemented digital services to promote transparency, efficiency, and citizen engagement.
- A study by the World Bank found that e-governance initiatives can reduce corruption, enhance transparency, and improve public service delivery, leading to improved government effectiveness.

2. Trends on Digital Transformation

2.1. Caribbean Top Potential Digital Transformation Initiatives (2)



4. Entrepreneurship & Innovation

- A report by McKinsey Global Institute states that digital platforms and ecosystems can unlock economic value equivalent to 30% of global GDP by 2025, promoting job creation and economic growth.
- According to the Global Entrepreneurship Monitor, digital technology and e-commerce have facilitated the growth of entrepreneurship, with more individuals starting businesses, especially in developing countries.



5. Environmental Sustainability

- The International Energy Agency (IEA) estimates that digital technologies could enable energy savings of up to 10% by 2030 through smart grids, energy management systems, and predictive analytics.
- The Global e-Sustainability Initiative (GeSI) highlights that ICT solutions, such as teleworking and video conferencing, can reduce CO2 emissions by replacing physical travel.



6. SECURE Smart Grid & Edge Computing

The integration of SECURED smart grid technology with edge computing brings significant value by enhancing the efficiency, reliability, and responsiveness of energy systems.

Smart grids are being build on: AI, blockchain, crypto, security, etc. to create value for people their lives in different sectors such as healthcare, payments, fintech, e-commerce, etc.



3. CURRENT & FUTURE DIGITAL TRANSFORMATION INITIATIVES

3. Current & Future Digital Transformation Initiatives

3.1. Datasur's Current Digital Grid Initiatives for Suriname



1. Finance & Banking Sector Digital Grid

- Hosting of key financial payment systems
- AI, Crypto & Bitcoin Initiatives



2. Healthcare Sector Digital Grid

- Smart-health application integration
- Collaboration with doctors



3. Caribbean DC Digital Grid

- Connecting Caribbean Datacenters through CDA & SUR-IX
- DR services



4. e-Gov Digital Grid

- Connecting e-Gov & Ministries
- Digitalization of e-Gov services

3. Current & Future Digital Transformation Initiatives

3.2. Datasur's Future Digital Grid Initiatives for Suriname



1. Education Digital Grid

- E-Learning and Remote Education: Increased use of online learning platforms and virtual classrooms through EdTech Solutions



2. Retail Digital Grid

- E-commerce and Omnichannel Experiences: Expanded e-commerce capabilities and seamless omnichannel experiences for customers with data analytics to provide personalized shopping experiences.



3. Agriculture Digital Grid

- Precision Agriculture: Integration of IoT devices and data analytics for precision farming. Adoption of AgriTech solutions for improved crop yield and resource management.

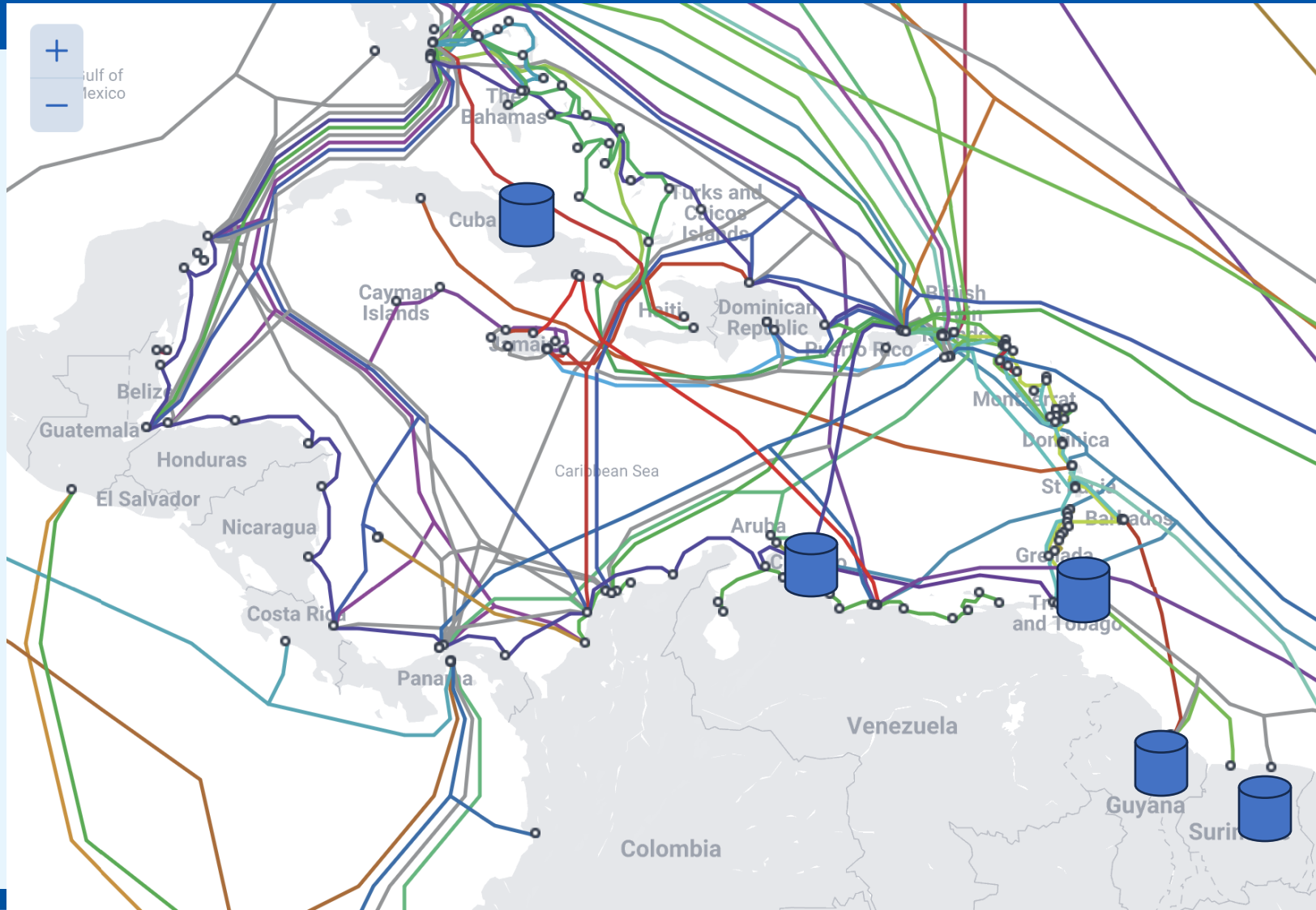


4. Entertainment & Multimedia Digital Grid

- Content delivery network (CDN) optimization.
- Multimedia streaming solutions.
- Augmented reality (AR) and virtual reality (VR) applications.

3. Current & Future Digital Transformation Initiatives

3.3. Caribbean Grids Interconnected



1. Connectivity



2. Regulation & Compliance



3. Cyber Security & Privacy



4. Regional Vision



5. Disaster Preparedness



4. THANK YOU!

"In the Caribbean, the future unfolds with a connected Caribbean—where innovation meets the sun-soaked horizon. We're weaving a tapestry of digital transformation, charting a course towards a sustainable and resilient tomorrow."