

ThematicDigital Services,<br/>Cloud and<br/>Infrastructure<br/>Services

## **Confidential Computing – The Next Frontier in Data Security**

December 2021: Complimentary Abstract / Table of Contents



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## **Key objectives**

Although adoption of confidential computing is nascent, its potential is tremendous, not only for the enterprises that are consuming it but also for the technology and service providers that are enabling it.

In this study, we analyze the confidential computing market with the following two objectives in mind:



To ascertain the scope and size of the confidential computing market globally

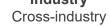


To create market insights on key trends and perspectives on use cases for confidential computing

Scope of the market assessment



Industry





#### Technology

- Services
- Software
- Hardware

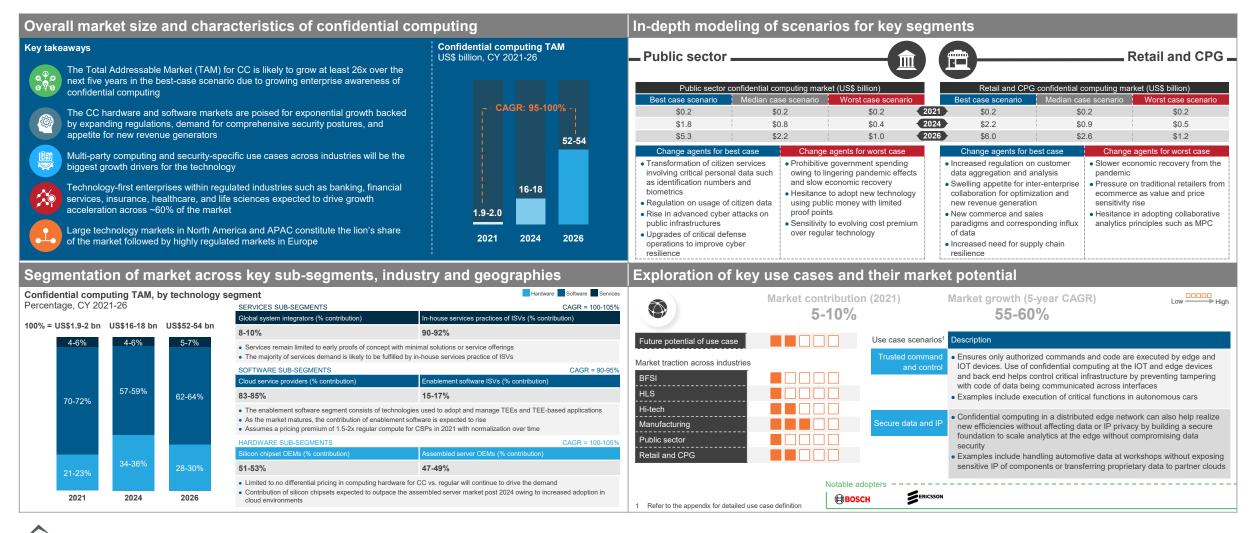


## Executive summary of key findings | confidential computing market opportunity

This report examines the global confidential computing landscape and its impact. Some of the findings in this report, among others, are:

| The CC market is poised for exponential growth             | <ul> <li>The Total Addressable Market (TAM) for confidential computing in 2021 is US\$ 1.9-2.0 billion</li> <li>The CC market is expected to grow at a CAGR of 90-95% in the best-case scenario and 40-45% in the worst-case scenario through 2026</li> <li>Cyber risks, regulations, and avenues for incremental revenue position CC for hyper growth</li> </ul> |
|--|---|
| The hardware and software segments drive adoption          | <ul> <li>The CC software segment, driven particularly by cloud service providers, is likely to constitute ~60-70% of the TAM between 2021 and 2026</li> <li>The CC hardware segment is expected to approximately double every year through 2026</li> <li>Contribution of services segments will grow marginally over the next five years</li> </ul>               |
| Regulated industries will dominate roll-out                | <ul> <li>Over 75% of demand is driven by regulated industries like banking, finance, insurance, healthcare, life sciences, public sector, and defense in 2021</li> <li>Awareness of the benefits of CC and willingness to invest in exploration is expected to double across key regulated industries through 2026</li> </ul>                                     |
| Enterprises in NA<br>and Asia have the<br>largest appetite | <ul> <li>Adoption varies by geography because of privacy regulations and incidence of cyber threats</li> <li>North America is expected to constitute ~40% of the overall TAM</li> <li>APAC will be ~20-25% of TAM with China independently accounts for ~10-15%</li> <li>Europe accounts for about 25% of TAM given its robust regulatory frameworks</li> </ul>   |
| Key use cases<br>reduce privacy and<br>security risks      | <ul> <li>Privacy and security use cases, particularly on public cloud, have gained the largest traction accounting for 30-35% of overall TAM</li> <li>Emerging technologies such as multi-party computing and blockchain account for a large share of the market given how CC enhances the value delivered by these technologies</li> </ul>                       |
| •  |   |

## This study offers six distinct chapters providing a deep dive into key aspects of the confidential computing market; below are four charts to illustrate the depth of the report



## **Research calendar** Digital services

Published

Planned Current release

| Flagship reports  | Release date  |
|---|---------------|
| Artificial Intelligence (AI) Services PEAK Matrix <sup>®</sup> Assessment 2021 – Service Provider Compendium                        | December 2020 |
| Artificial Intelligence (AI) Services – State of the Market Report 2021   Scale the AI Summit Through Democratization               | January 2021  |
| Digital Interactive Experience (IX) Services State of the Market Report 2021 – Moving from Persuasive to Purpose-driven Experiences | February 2021 |
| Digital Services – Market Report 2021: Digital Transformation – Fostering Value Through Rearchitecting Change Management            | April 2021    |
| Digital Experience Platform (DXP) Products PEAK Matrix <sup>®</sup> Assessment 2021   | August 2021   |
| IoT Supply Chain Solutions PEAK Matrix <sup>®</sup> Assessment 2021   | November 2021 |
| Enterprise Blockchain Services PEAK Matrix <sup>®</sup> Assessment 2021   | December 2021 |
| Digital Twin Services PEAK Matrix <sup>®</sup> Assessment 2021  | Q1 2022       |

| Thematic reports   | Release date   |
|--|----------------|
| Customer Data Platform Trailblazers: Top 15 Start-ups Redefining Hyper-personalization | March 2021     |
| Operationalizing Machine Learning at Scale (MLOps)                                     | April 2021     |
| Federated Learning: Privacy by Design for Machine Learning                             | May 2021       |
| Smart Spaces Transcending Physical Boundaries  | September 2021 |
| Confidential Computing – The Next Frontier in Data Security                            | December 2021  |
| AloT Primer: the Amalgamation of Intelligence into the Internet of Things              | Q1 2022        |
| Trailblazers on Commerce Solutions   | Q1 2022        |

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