

Forecast: Public Cloud Services, Worldwide, 2021-2027, 2Q23 Update

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Initiatives: [Technology Market Essentials](#)

Worldwide public cloud services are forecast to grow 20.2% in current U.S. dollars (20.1% in constant currency) in 2023. Strong growth will continue throughout the forecast, with end-user spending exceeding \$1.1 trillion U.S. dollars in 2027, a five-year CAGR of 19.6% (18.9% in constant currency).

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Overview

This 2Q23 forecast update includes the alignment of 2021 and 2022 base years from Gartner's 2022 annual market share analysis of vendors' performance. We have revised growth trajectories based on new forecast assumptions and influencing factors.

As of this update, we are no longer publishing data for cloud management and security services and its subsegments, see [Update: Gartner to Revise Its Public Cloud Forecast Segmentation](#). In addition, a new category – manufacturing and operations management – has been added to the supply chain management subsegment within the SaaS space, see [Update: Gartner to Revise Its Software Market Segmentation](#).

The downloadable file provides the entire dataset for end-user spending and constant currency for the public cloud services market for 42 countries by region, for five forecast years and two years of history. In addition to these five primary segments listed below, the forecast covers 23 additional subsegments:

- Cloud system infrastructure services or infrastructure as a service (IaaS)
- Cloud application infrastructure services or platform as a service (PaaS)
- Cloud application services or software as a service (SaaS)
- Cloud business process services or business process as a service (BPaaS)
- Cloud desktop as a service (DaaS)

Russian Invasion of Ukraine

In response to Russia's invasion of Ukraine that began on 24 February 2022 and was ongoing at the time of this publication, Gartner is suspending market coverage of Russia and the Eurasia region. The definition of Rest of Eastern Europe has been expanded to include Russia and the countries previously covered in the Rest of Eurasia.

Exchange Rate Alert

In the current environment, currency exchange rate fluctuations will be more volatile. Foundational factors, such as interest rates, tariffs and economic sanctions, changed more rapidly and with less predictability throughout 2022, and the expectation is that this will continue throughout 2023. For the near term, expectations for exchange rates should be treated with a heightened level of caution.

The data in the downloadable .zip file contains one Excel report, along with one data file formatted in a comma-delimited flat (.csv) file that can be imported into other applications.

Spreadsheets published by Gartner may leverage features such as pivot tables and macros that are supported in a Microsoft Windows environment and with Microsoft Excel 2007 or higher.

See Gartner Internet Browser [System Requirements](#) for more information.

Document Revision History

Forecast: Public Cloud Services, Worldwide, 2021-2027, 1Q23 Update - 29 March 2023

Forecast: Public Cloud Services, Worldwide, 2020-2026, 4Q22 Update - 20 December 2022

Forecast: Public Cloud Services, Worldwide, 2020-2026, 3Q22 Update - 28 September 2022

Forecast: Public Cloud Services, Worldwide, 2020-2026, 2Q22 Update - 18 July 2022

Forecast: Public Cloud Services, Worldwide, 2020-2026, 1Q22 Update - 30 March 2022

Forecast: Public Cloud Services, Worldwide, 2019-2025, 4Q21 Update - 21 December 2021

Forecast: Public Cloud Services, Worldwide, 2019-2025, 3Q21 Update - 24 September 2021

Forecast: Public Cloud Services, Worldwide, 2019-2025, 2Q21 Update - 25 June 2021

Forecast: Public Cloud Services, Worldwide, 2019-2025, 1Q21 Update - 25 March 2021

Forecast: Public Cloud Services, Worldwide, 2018-2024, 4Q20 Update - 21 December 2020

Forecast: Public Cloud Services, Worldwide, 2018-2024, 3Q20 Update - 1 October 2020

Forecast: Public Cloud Services, Worldwide, 2018-2024, 2Q20 Update - 13 July 2020

Forecast: Public Cloud Services, Worldwide, 2018-2024, 1Q20 Update - 1 May 2020

Forecast: Public Cloud Services, Worldwide, 2017-2023, 4Q19 Update - 19 January 2020

Forecast: Public Cloud Services, Worldwide, 2017-2023, 3Q19 Update - 16 October 2019

Forecast: Public Cloud Services, Worldwide, 2017-2023, 2Q19 Update - 29 August 2019

Forecast: Public Cloud Services, Worldwide, 2017-2023, 1Q19 Update - 16 April 2019

Forecast: Public Cloud Services, Worldwide, 2016-2022, 4Q18 Update - 16 January 2019

Forecast: Public Cloud Services, Worldwide, 2016-2022, 3Q18 Update - 30 October 2018

Forecast: Public Cloud Services, Worldwide, 2016-2022, 2Q18 Update - 31 July 2018

Forecast: Public Cloud Services, Worldwide, 2016-2022, 1Q18 Update - 13 April 2018

Forecast: Public Cloud Services, Worldwide, 2015-2021, 4Q17 Update - 15 January 2018

Forecast: Public Cloud Services, Worldwide, 2015-2021, 3Q17 Update - 24 October 2017

[Forecast: Public Cloud Services, Worldwide, 2015-2021, 2Q17 Update - 27 July 2017](#)

[Forecast: Public Cloud Services, Worldwide, 2015-2021, 1Q17 Update - 4 April 2017](#)

[Forecast: Public Cloud Services, Worldwide, 2014-2020, 4Q16 Update - 5 January 2017](#)

[Forecast: Public Cloud Services, Worldwide, 2014-2020, 3Q16 Update - 14 October 2016](#)

[Forecast: Public Cloud Services, Worldwide, 2014-2020, 2Q16 Update - 29 June 2016](#)

[Forecast: Public Cloud Services, Worldwide, 2014-2020, 1Q16 Update - 1 April 2016](#)

[Forecast: Public Cloud Services, Worldwide, 2013-2019, 4Q15 Update - 22 December 2015](#)

[Forecast: Public Cloud Services, Worldwide, 2013-2019, 3Q15 Update - 30 September 2015](#)

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[Forecast: Public Cloud Services, Worldwide, 2012-2018, 4Q14 Update - 30 December 2014](#)

[Forecast: Public Cloud Services, Worldwide, 2012-2018, 3Q14 Update - 29 September 2014](#)

[Forecast: Public Cloud Services, Worldwide, 2012-2018, 2Q14 Update - 25 June 2014](#)

[Forecast: Public Cloud Services, Worldwide, 2012-2018, 1Q14 Update - 31 March 2014](#)

[Forecast: Public Cloud Services, Worldwide, 2011-2017, 4Q13 Update - 26 December 2013](#)

[Forecast: Public Cloud Services, Worldwide, 2011-2017, 3Q13 Update - 27 September 2013](#)

[Forecast: Public Cloud Services, Worldwide, 2011-2017, 2Q13 Update - 28 June 2013](#)

[Forecast: Public Cloud Services, Worldwide, 2011-2017, 1Q13 Update - 26 March 2013](#)

[Forecast: Public Cloud Services, Worldwide, 2010-2016, 4Q12 Update - 21 December 2012](#)

[Forecast: Public Cloud Services, Worldwide, 2010-2016, 3Q12 Update - 24 September 2012](#)

[Forecast: Public Cloud Services, Worldwide, 2010-2016, 2Q12 Update - 27 June 2012](#)

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[Market Share: IT Services, Worldwide, 2022](#)

[Market Share: All Software Markets, Worldwide, 2022](#)

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