

CHINA AND BELARUS CLOUD COMPUTING DEVELOPMENT

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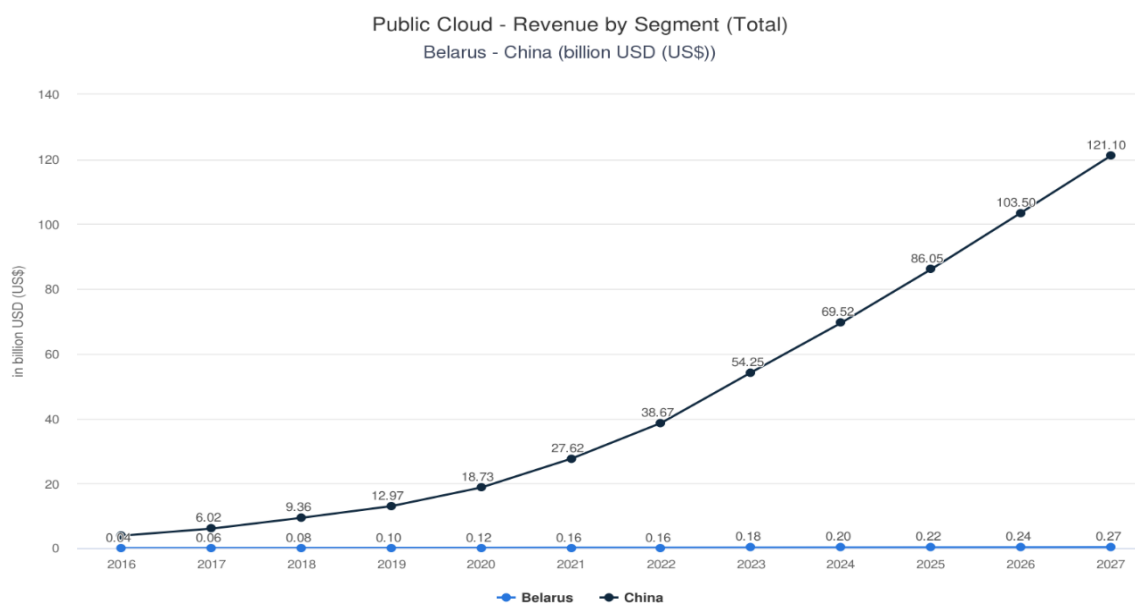
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Annotation. Cloud computing is a tangible manifestation of the development of information technology and the innovation of service models. This article aims to understand the level of development of the digital economy in China and Belarus by conducting a comparative analysis of the public cloud in cloud computing. Accelerating the innovative development of cloud computing is crucial for advancing the process of digital economic transformation.

Cloud computing affects all kinds of business processes and can tackle dynamic and complex needs. Public cloud allows for scalability and resource sharing that would not otherwise be possible for a single organization to achieve.

The public cloud consists of three services: Software as a Service, Infrastructure as a Service, and Platform as a Service. Below are the total revenues from the three services of the public cloud in China and Belarus in recent years, as well as future projections.

There is a significant disparity in the overall revenue between China and Belarus, and the analysis of the numbers does not provide a reliable reference value. This article focuses on the changing trends in revenue from the public cloud to provide a comprehensive analysis. In general, the Chinese cloud computing market continues to experience rapid growth and demonstrates a high level of resilience in the face of economic downturns. On the other hand, the development of cloud computing in Belarus has been relatively stable in recent years without significant fluctuations.



Source: Statista.com [1]

Figure 1 – Belarus-China Public Cloud Total Revenue (billion US\$)

In 2022, the revenue generated from public cloud services in China reached \$38.67 billion, representing an impressive increase of 28.5 % compared to the previous year. Conversely, the public cloud market in Belarus experienced minimal changes during the same period. This is quite remarkable considering the ongoing conflict between Russia and Ukraine, as maintaining stability in such circumstances can be seen as a positive outcome. Nevertheless, in the current digital economy and society, it is imperative for countries to undergo a transformation from traditional economies to embrace and develop digital industries.

References

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РАЗРАБОТКА ИНФОРМАЦИОННО-АНАЛИТИЧЕСКОЙ СИСТЕМЫ ОБЩЕГО ДОСТУПА ДЛЯ КОМПЛЕКСНОГО ИЗУЧЕНИЯ ВЛИЯНИЯ АНТРОПОГЕННЫХ И ПРИРОДНЫХ ФАКТОРОВ НА ПРИМЕРЕ Г. ОРШИ И ОРШАНСКОГО РАЙОНА

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Annotation. The article presents conceptual approaches to the creation of a web-oriented information and analytical system of general access for a comprehensive study of the influence of anthropogenic and natural factors at various regional levels. The prototype for the development of this development is the information and analytical resource "System of online monitoring of the state of environmental components of the city of Orsha and Orsha region".

Впервые в Республике Беларусь разработана информационно-аналитическая система общего доступа для комплексного изучения влияния антропогенных и природных факторов на примере г. Орши и Оршанского района. Уникальность разработки состоит в том, что информационный ресурс разработан на основе инновационных информационных систем, наилучших международных практик с использованием современных Web- и ГИС-технологий с выбором оптимальных решений по поэтапному расширению информационного ресурса по всем средам и элементам воздействия на окружающую среду на примере г. Орши и Оршанского района, включая атмосферный воздух, водные ресурсы, земли (почвы) и др. Информационный ресурс является автоматизированной информационной системой рай-