

Government | China

Supporting climate research by migrating key systems

Sichuan Meteorological Bureau

Working with Lenovo, Sichuan Meteorological Bureau migrated key forecasting and analysis tools to a new data center, helping to simplify management, reduce costs, and support vital climate research.



Lenovo

1

Customer background

Who is Sichuan Meteorological Bureau?

As extreme weather events become more and more common, Sichuan Meteorological Bureau plays an increasingly important role in helping to maintain public safety and prevent disaster.

Based in Chengdu, the capital of Sichuan Province in southwest China, the bureau provides public meteorological services, including weather observation and forecasting, climate change research, and severe weather warnings. Sichuan Meteorological Bureau also delivers information to government bodies to support programs that mitigate the impact of extreme weather.



2 The challenge

To perform critical weather research, Sichuan Meteorological Bureau relies on many analytics and database systems. Previously, the bureau ran these tools on a distributed infrastructure hosted across multiple data centers—a complex approach that led to escalating management costs. Moving forward, the bureau decided to streamline the setup, migrating systems to a unified platform in a single data center.

Completing such a large-scale transformation represented a major challenge. There was an added complication, too, as the bureau aimed to move the systems during the regional flood season—one of the busiest periods of the year, when citizens require up-to-the-moment weather information. It was therefore vital to maintain the availability of key forecasting and operational systems during the changeover.



“The relocation task faced immense pressure due to its complex requirements, including system security, user clusters, and business dependencies.”

Spokesperson

Sichuan Meteorological Bureau

3 The solution

Enlisting expert migration support

Realizing that expert support was essential to ensure a smooth transition, Sichuan Meteorological Bureau selected Lenovo to manage and deliver the migration project. Initially, Lenovo assessed the current server, storage, and networking environment, completed systems mapping and capacity planning, designed re-location paths, and then completed the actual migration.

Services

Lenovo Managed Services — Consulting and Migration

3

The
solution

To maintain the performance of the infrastructure, Sichuan Meteorological Bureau also engaged Lenovo to deliver comprehensive technical support. As well as monitoring and optimizing the servers and storage environment, Lenovo will manage the bureau's third-party virtualization, database, and security systems, deliver break/fix services, and source spare parts when required.

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“The Lenovo team worked closely with our bureau to create a **comprehensive relocation plan**, ensuring seamless migration while maintaining security and efficiency. The specialists from Lenovo provided on-site support during critical stages and ensured **all technical bottlenecks were resolved** within 32 hours.”

Spokesperson

Sichuan Meteorological Bureau

4 The results

Working with Lenovo, Sichuan Meteorological Bureau successfully migrated its key systems to a streamlined infrastructure in the new data center. Running the database and analytics tools on the consolidated environment will help to simplify ongoing management and reduce costs.

4 The results

Crucially, Lenovo helped the bureau to complete the relocation on schedule, despite considerable time pressures. Similarly, Lenovo ensured non-stop availability for critical weather analysis, monitoring, and forecasting systems, enabling the bureau to provide updates to citizens during the flood season.



Achieved seamless migration to new infrastructure



Simplifies management, reduces overheads



Ensured systems availability during changeover

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“The data migration was completed smoothly, enabling core meteorological operations, forecasts, and warnings to continue without interruption. **Lenovo’s dedication has left a deep impression on all stakeholders involved.**”

Spokesperson

Sichuan Meteorological Bureau

Why Lenovo?

Sichuan Meteorological Bureau analyzed proposals from multiple service providers before selecting Lenovo. One key differentiator was that Lenovo was a long-standing partner, with a deep knowledge of the bureau's existing business processes, systems, and IT architecture. This enabled Lenovo to offer a bespoke migration plan, while other vendors could only propose generic service packages.

Furthermore, Sichuan Meteorological Bureau was confident that Lenovo had the high level of expertise and experience required to manage such a large-scale migration, covering the relocation of many databases, servers, and storage systems, and provide efficient ongoing support.

How can organizations transform their infrastructure?

Sichuan Meteorological Bureau engaged Lenovo to manage a large-scale migration, ensuring systems availability during the changeover.

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