

This is the most beautiful data center in the world, and it is placed in the church of God

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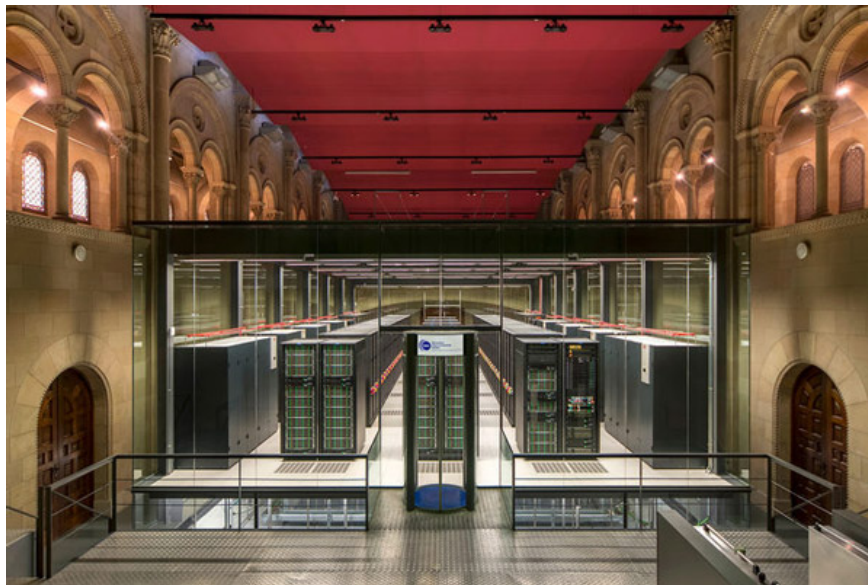
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From the outside, the Torre Girona chapel looks no different than the other old churches across Spain. A large cross is attached on the roof of the church. Above the door is a large rose-shaped window.

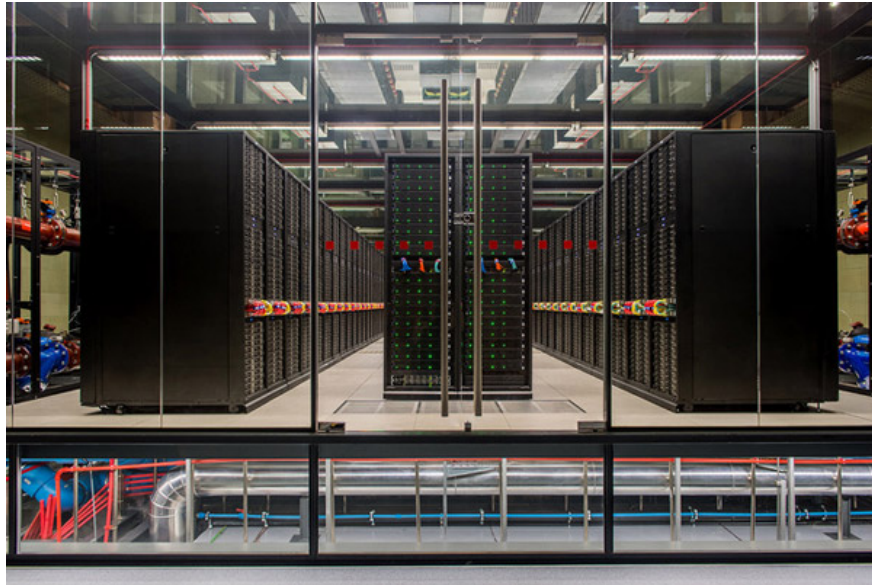




However, when entering the church, the thing that hits the eyes of visitors will not be religious symbols but MareNostrum 4, the 25th most powerful supercomputer in the world.



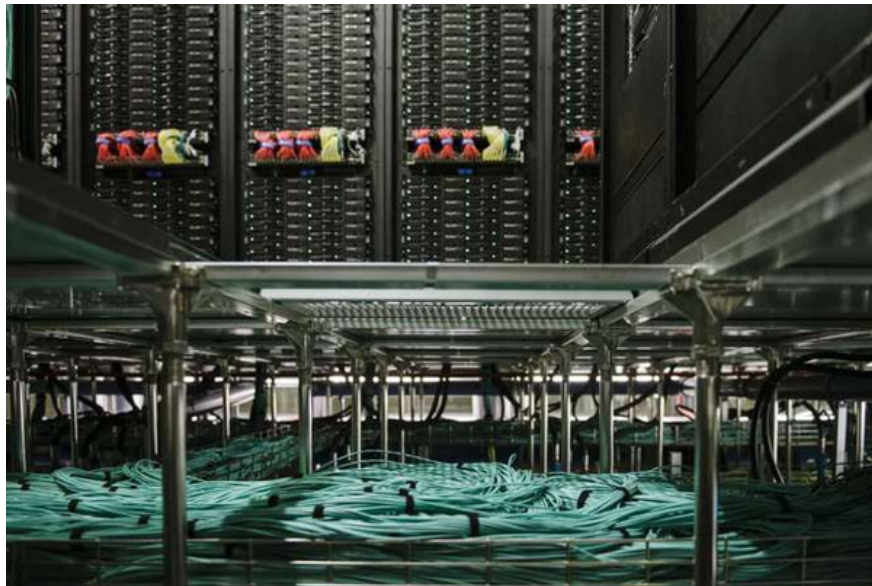
MareNostrum 4 owns a total computing power of 42.35 teraflop, ie 42.35 trillion calculations per second and is considered the most beautiful data center on the planet.



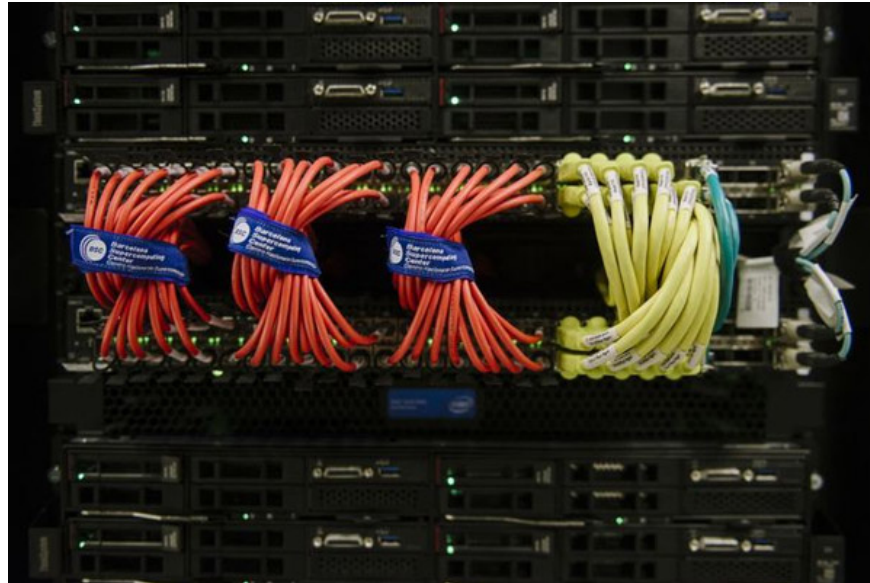
Gemma Maspoch, facility supervisor MareNostrum and communications manager of the Barcelona Supercomputing Center, said that placing the computer in a giant glass box in the church was because they could not find a suitable location. than.



To accommodate this supercomputer, they needed a storage space capable of supporting 44.5 tons of weight and hundreds of square meters without a support column. The only place that satisfies both of these requirements is the Torre Girona church.



In fact, since 1970 this church has been converted for use and became a common property. This place has been used for many different purposes before becoming a data center.



In order to store MareNostrum 4 supercomputer, the church is reinforced with surrounding soil to withstand the weight of the device, adding cooling system and designing a giant glass box around.



MareNostrum 4 includes a server with a total of 3,456 nodes (nodes), each with two Intel chips, each with 24 processors. All are spread over 48 racks.



MareNostrum supercomputer is worth about 40 million USD and is provided free to scientists.



It has made important contributions in areas such as astrophysics, climate modeling and genome research.



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