



WHYEAGLE?

According to legend Lech, the founder of the Polish state, saw a large nest on a tree while staying in the vicinity of Poznan. There was a white eagle, which spread its wings over the sky, red from the setting sun. Lech decided to settle there and placed an eagle in his coat of arms. He called the memorial place Gniezno (from the word nest).

The eagle is a national symbol of Poland, always present on seals and knights' shields. It was also a symbol of important national uprisings during the partitions, under many years of foreign invaders' rule.

That is why we have named our strongest HPC machine at PSNC (Poznan Supercomputing and Networking Center) in honour of this unique symbol - the Eagle.



AN ECONOMIC EAGLE

The Eagle supercomputer is one of the most environmentally friendly and energy efficient systems worldwide. It is liquid-cooled, and therefore consumes 40% less energy than an air-cooled system. Still, such a powerful computer requires a lot of energy - the supercomputer consumes as much power in one day as a single-family house will need in 5 years! Part of the heat from the computer is used to heat the PSNC (Poznan Supercomputing and Networking Center) building.

THE EAGLE SUPERCOMPUTER

Deployed at the beginning of 2016, it is one of the most powerful supercomputer systems in the world. It is an important element of large-scale computing for Polish science and business, which enables research, simulation, and analysis of problems that, due to their complexity, could only be considered in the largest computing centres.

Eagle has a performance of 1.4 PFlops computing power. It consists of 1300 compute nodes equipped with a total of 33 thousand cores and 120 TB of operating memory

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