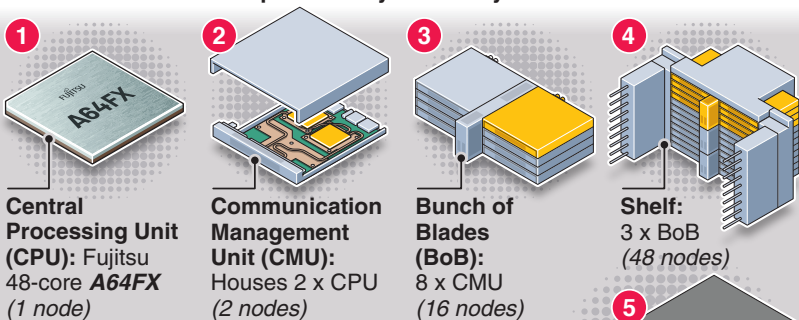


# Supercomputer to seek Covid-19 cure

The world's fastest supercomputer, Japan's \$1.2 billion *Fugaku*, is to use its enormous power to try to identify treatments for Covid-19



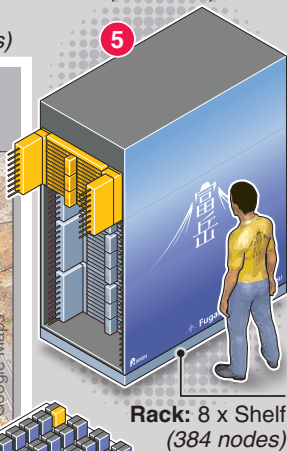
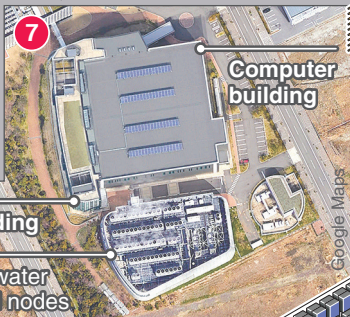
**Jun 22, 2020:** *Top500* declares Fugaku world's fastest supercomputer – **2.8** times faster than previous record holder, IBM's *Summit*

JAPAN

Kobe Tokyo

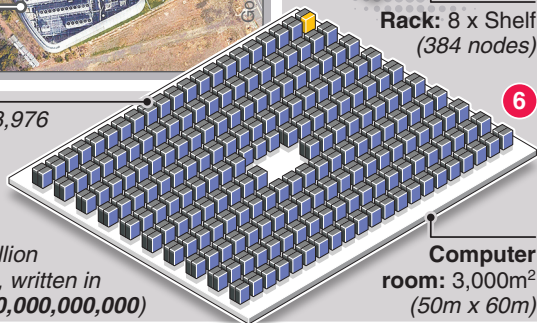
**Research building**

**Chillers:** Cold water pumped around nodes



**System:** 432 x Rack (158,976 nodes – comprising 396 racks of 384 nodes, plus 36 racks of 192 nodes)

**Performance:** **415.53 petaflops** (415.53 quadrillion computations per second, written in numerals as: **415,530,000,000,000,000**)



Despite being unfinished, Fugaku is already studying how respiratory droplets travel inside trains with open carriage windows. When completed in 2021, it will try to identify potential drug treatments for Covid-19