A real-world application that utilizes both parallel computing and networked systems is Weather forecasting.

* **Parallel Computing:**Weather models involve analyzing vast amounts of data to predict weather patterns. Parallel computing allows these models to run significantly faster, enabling more accurate and timely forecasts.
* **Networked Systems:**Data for weather forecasting is collected from various locations, such as weather stations, satellites, and radar systems. This data is then transmitted and processed by a network of computers, allowing for real-time analysis and exchange of information between different weather forecasting centers.

Technologies used:

* **Parallel Computing:**Supercomputers with multiple processing cores, such as those used by the National Weather Service.
* **Networked Systems:**The internet, satellite communication, and various data transmission protocols (e.g., TCP/IP).