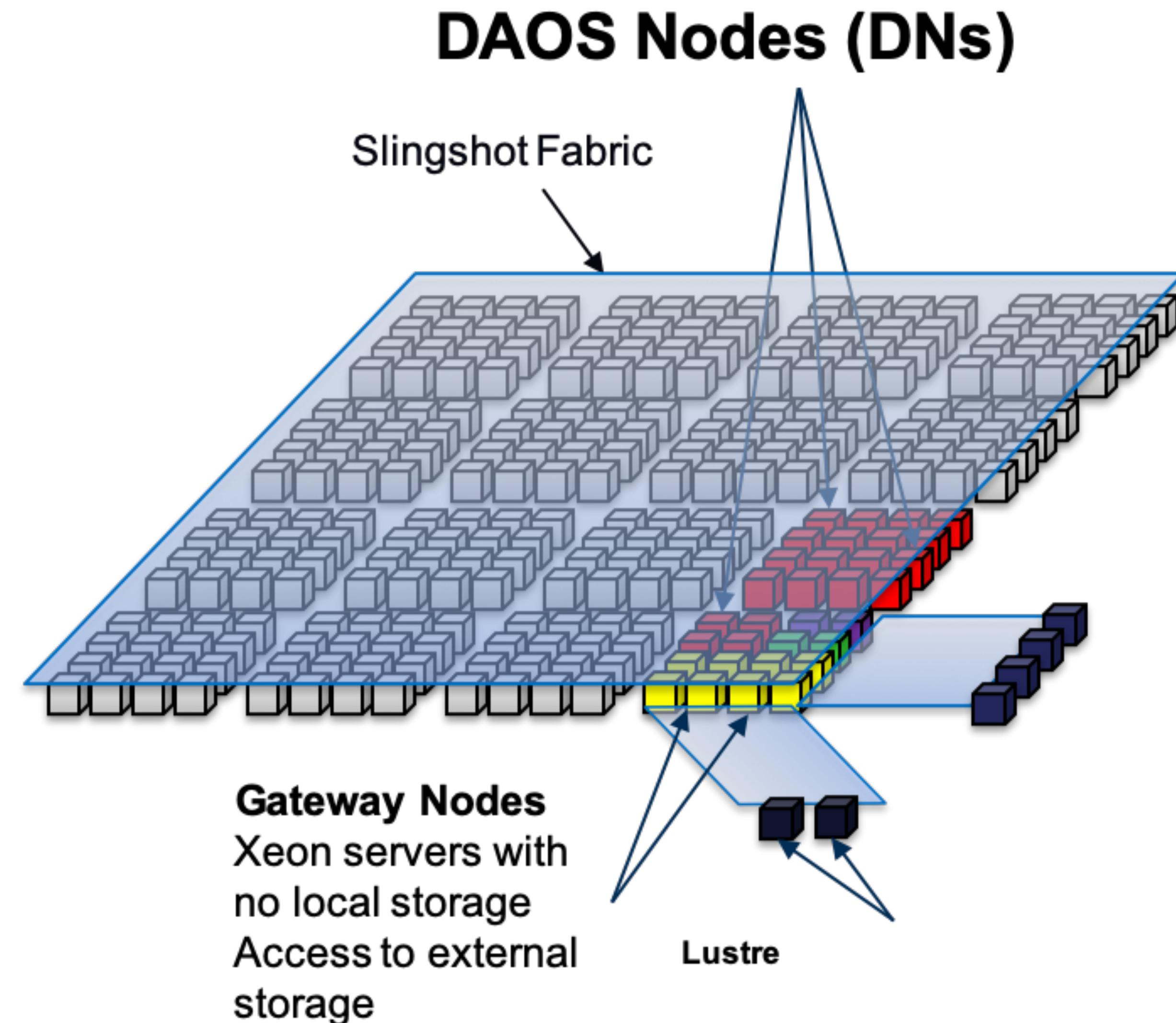


# Distributed Asynchronous Object Store (DAOS)

- Primary storage system for Aurora
- Offers high performance in bandwidth and IO operations
  - **230 PB capacity**
  - **$\geq 25$  TB/s**
- Provides a flexible storage API that enables new I/O paradigms
- Provides compatibility with existing I/O models such as POSIX, MPI-IO and HDF5
- Open source storage solution



# oneAPI

- [Industry specification](#) from Intel
  - Language and libraries to target programming across diverse architectures (DPC++, APIs, low level interface)
- [Intel oneAPI](#) products and toolkits
  - **Languages**
    - Fortran (w/ OpenMP 5+)
    - C/C++ (w/ OpenMP 5+)
    - DPC++
    - Python
  - **Libraries**
    - oneAPI MKL (oneMKL)
    - oneAPI Deep Neural Network Library (oneDNN)
    - oneAPI Data Analytics Library (oneDAL)
    - MPI
  - **Tools**
    - Intel Advisor
    - Intel VTune
    - Intel Inspector



<https://software.intel.com/oneapi>