Disadvantages of Cloud Computing

HPC Systems:

Not clear that you can run compute-intensive HPC applications that use MPI/OpenMP!

Scheduling is important with this type of application

- as you want all the VM to be co-located to minimize communication latency!

General Concerns:

Each cloud systems uses different protocols and different APIs

- may not be possible to run applications between cloud based systems

Amazon has created its own DB system (not SQL), and workflow system (many popular workflow systems out there)- so your normal applications will have to be adapted to execute on these platforms.