introduction to parallel computing - the future during the past 20 years the trends indicated by ever faster networks distributed systems and multi processor computer architectures even at the desktop level clearly show that parallelism is the future of computing in this same time period there has been a greater than 500 000x increase in supercomputer performance with no end currently in sight, acm symposium on principles of distributed computing - podc 2019 toronto ontario canada july 29 augus 2 2019 the call for papers and the call for workshops and tutorials are now available the call for nominations for the dijkstra prize is available the call for nominations for the doctoral dissertation award is available podc 2019 is sponsored by oracle and vmware podc 2018 podc 2018 was held july 23 27 2018 at royal holloway, distributed computing recently completed projects - the project s discussion forum mathematics 2010 over 8 years unknown computing for clean water developed lower cost and more efficient water filters the project a collaboration between world community grid and tsinghua university performed molecular dynamics experiments to study the physical properties of carbon nanotubes at the nanoscale level understanding these, cheng zhong xu ph d wayne state university - dr cheng zhong xu is a professor of electrical and computer engineering at wayne state university and the director of the cloud and internet computing laboratory cic he is also the director of sun s center of excellence in open source computing and applications osca professor xu s main research interests lie networked computing systems with an emphasis on resource management for system s, what is grid computing definition from techopedia - a grid is connected by parallel nodes that form a computer cluster which runs on an operating system linux or free software the cluster can vary in size from a small work station to several networks, dr xuanhua shi s homepage hust - research interests general research interests parallel and distributed systems current research focus scalability resilience and autonomy of large scale distributed systems such as peta scale systems and data centers, active distributed computing projects science - project information project complete major supported platforms search for extra terrestrial radio signals at seti home on july 25 2008 the project owners began releasing work units for seti home s astropulse project the project passed 2 billion credits on july 14 2005, actapress technical publications scientific journals - first published in 1981 this journal serves a worldwide readership of power and energy professionals the international journal of power and energy systems strives to be the first to explore emerging energy issues, professor dr rajkumar buyya s cyberhome - it provides cluster grid cloud computing resources such as books teaching presentation slides links to numerous distributed resource management systems environments software documents conferences announcements, high performance computing hpc in the cloud - this short video helps explain the benefits of running your high performance computing cluster jobs on amazon web services this short video helps explain the benefits of running your high performance computing cluster jobs on amazon web services, message passing interface mpi - availability a variety of implementations are available both vendor and public domain history and evolution for those interested mpi has resulted from the efforts of numerous individuals and groups that began in 1992 some history 1980s early 1990s distributed memory parallel computing develops as do a number of incompatible software tools for writing such programs usually with, 2019 ieee congress on evolutionary computation - cec 01 special session on memetic computing organized by liang feng yuan yuan and chuan kang ting supported by ieee cis isatc task force on transfer learning and transfer optimization, mpi s reduction operations in clustered wide area systems - mpi s reduction operations in clustered wide area systems thilo kielmann rutger f hhofman henri e bal aske plaat raoul a f bhoedjang department of computer science vrije universiteit amsterdam the netherlands kielmann cs vu nl rutger cs vu nl bal cs vu nl aske cs vu nl raoul cs vu nl keywords metacomputing message passing collective communication mpi das abstract area links by, fanet cloud computing academia edu - international journal of computer science and information security ijcsis vol 14 no 10 october 2016 fanet cloud computing ahmed refaat sobhy mohamed m elfaham atalla hashad benha faculty of engineering benha university faculty of engineering arab academy for scien department of computer engineering department of engineering basic technology maritime transport benha university science, grille informatique wikip dia - une grille informatique en anglais grid est une infrastructure virtuelle constitu e d un ensemble de ressources informatiques potentiellement partag es distribu es s h t rogn es d localis es et autonomes une grille est en effet une infrastructure c est dire desquipements techniques d ordres mat riel et logiciel cette infrastructure est qualifi e de virtuelle car les, oracle and sun microsystems strategic acquisitions oracle - oracle acquired sun microsystems in 2010 and since that time oracle s hardware and software engineers have worked side by side to build fully integrated systems and optimized solutions designed to achieve performance levels that are unmatched in the industry early examples include the oracle exadata
database machine x2 8 and the first oracle exalogic elastic cloud both introduced in late 2010