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   Nota di contenuto   Cover; Copyright; Credits; About the Authors; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Chapter 1:High Availability; High availability concepts; Planned versus unplanned downtime; Service Level Agreements for high availability; High availability interpretations; Recovery time and high availability; System design for high availability; Business Continuity and high availability; Disaster Recovery; Business Continuity and Disaster Recovery guidelines; Fault-tolerant systems and high availability; Requirements for implementing fault tolerance
                        Fault tolerance and replicationHigh availability solutions for Oracle; Oracle Data Guard; Oracle Streams; Oracle Application Server Clustering; High availability: Oracle 11g R1 Real Application Clusters (RAC); High availability: Oracle 11g R2 Real Application Clusters (RAC); Summary; Chapter 2:Oracle 11g RAC Architecture; Oracle 11g RAC architecture; Certification matrix for Oracle 11g RAC architecture; Hardware architecture for Oracle 11g RAC; Server configurations for Oracle 11g RAC; CPU processors; Choosing between 32-bit and 64-bit

CPU architectures; Dual core and multicore processors

Network architecture for Oracle 11g RACThe private network and the Oracle 11g RAC interconnect; Choices for private interconnect and 11g RAC; Redundancy for Ethernet interconnects with 11g RAC; Network bonding (NIC teaming); Storage architecture for Oracle 11g RAC; RAID configurations for Oracle 11g RAC; RAID 0 (striping); RAID 1 (mirroring); RAID 5 (striped with parity); RAID 10 (striped mirrors); Third-party RAID implementations; IBM AIX LPAR disk volume management for RAID; Linux volume management for RAID configuration; Storage protocols for RAC; SCSI; Fibre Channel Point-to-Point (FC-P2P)Fibre Channel Arbitrated Loop (FC-AL); Fibre Channel Switched Fabric (FC-SW); Which Fibre Channel topology is best?; iSCSI; Which storage protocol is best for RAC?; Asynchronous I/O versus Direct I/O for Oracle 11g RAC; Oracle 11g RAC components; Voting Disk; Oracle Cluster Registry; Oracle 11g R1 RAC background processes; ACMS Atomic Controlfile to Memory Service; GTX0-j Global Transaction Process; LMON Global Enqueue Service Monitor; LMD Global Enqueue Service Daemon; LMS Global Cache Service Process; LCK0 Instance Enqueue Process

RMSn Oracle RAC Management ProcessesRSMN Remote Slave Monitor; Oracle 11g R2 RAC background processes; Grid Plug and Play; Grid Interprocess Communication; Multicast Domain Name Service; Oracle Grid Naming Service; How RAC differs from Oracle 11g single-instance implementations; New ASM features and RAC; New SYSASM privilege for Oracle 11g R1 ASM; Oracle 11g R2 ASM features; OCR and Voting Disk stored in ASM; Oracle Automatic Storage Management Cluster Filesystem (Oracle ACFS); New Oracle 11g ASM Disk Group compatibility features; Summary; Chapter 3:Clusterware Installation Preparing for a cluster installation

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