مستندات مورد نیاز
پروسه توسعه و تحویل سایت مرکز داده

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فهرست عناوین

لایسنس/مجوز

این سند تحت لایسنس GNU GPL V3[۲] قرار داشته و از آدرس https://github.com/jamsahar/Documents قابل دانلود است.

Data Centers Handover Policy & Procedures

Phase 1:

1. Contracts(HLD & LLD)
2. Meeting Notes, Agenda, Settlements and Amendments(As-Is, To-Be)

Phase 2:

3. Disaster site & Solutions
4. Site Planning , Cable routing , High Level Design
5. Racks Layouts & Dimensions
6. Network Architecture Topology & Communications
    a. *Active*
        i. Routers
        ii. Switches
        iii. Firewalls
    b. *Passive*
        i. *Interconnections*
        ii. *Cabling*
        iii. *Labeling*
7. Site Environments Policy & Standards
8. Standards & Best practices & Revisions(ex, Oracle Optimal Flexible Architecture OFA)
9. IP Plan, Port Plan, Naming standard & Revisions

Phase 3:

10. Infrastructure
    a. Hardware
        i. Servers(Stand alone, Cluster)
        ii. Storages(Stand alone, Replication)
        iii. Tape library robots
        iv. Passive/Active Network Equipment & Protocols
        v. Spare parts
    b. Software
        i. Virtualizations
        ii. Operating System
        iii. Database(Stand alone, Replication/DataGuard, Cluster/RAC)
        iv. Business Applications & Utilities
        v. Assets/Resources diagram, Monitoring & Management systems
            1. Network
                a. Inbound/Outbound bandwidth
                b. Traffic Load
                c. Packet loss

       d. Jitter

       e. Delay

       f. …

    2. Storages

       a. SAN Switches

       b. Zones

       c. …

    3. Servers

       a. CPU

       b. RAM

       c. HDD

       d. I/O Utilization Rate

       e. Fan Speed

       f. Ports

       g. Processes

       h. Load Balancing

       i. Availability

       j. …

    4. Virtual Machines

    5. Operating systems

       a. AAA

       b. Directory

       c. Naming

       d. Services

       e. …

    6. Databases

       a. Conceptual Design

       b. Logical Design

       c. Physical Design

          i. Spaces

          ii. Listeners

          iii. Thresholds

          iv. Processes

          v. …

    7. Middleware's

    8. Applications

  vi. Drivers

  vii. Patches

  viii. Licenses

c. Documents

  i. Enterprise Architecture Docs

ii. LOM (List Of Materials)
iii. User manuals & guides
iv. ATP (Acceptance Test Procedure)
v. Inventory list & design layout & Revisions.
1. Server type (vendor, machine type and model number, part number)
2. Switch/Router/Firewall type (vendor, machine type and model number)
3. Storage type (vendor, machine type and model number), Storage partitioning
4. Fibre Channel protocols that devices support and cannot support
5. Device (server, storage, SAN components) names and description
6. Distances between devices (maximum and minimum)
7. Location of admin consoles or management servers(HMC, Storage Management)
8. Current cabinet address(ex. TIA-942 Addressing)
9. Operating systems, maintenance level and firmware levels
10. Quantity and type of adapters installed
11. List of WWNs and WWPNs
12. Cabling cabinets
13. Labels for cables
14. Cable routing map
15. Current connections
16. Current configurations
17. SAN Switch Topology and Communications
18. Space allocated: A list of LUNs allocated to servers
19. Space available: A list of free space in the disk device
20. Fabric Connection: A detailed wiring diagram of the SAN fabric
21. Fabric Port layout: A port usage plan detailing what ports are currently used, which ports are spare
22. Zone Information: Both hard*(Port level zone)* and soft*(WWPN)* zoning in place
23. IP addresses: A list of IP addresses for all fabric components, as well as a list of spare ones
24. Fabric model Serial numbers: The IBM product serial numbers.
25. Micro code versions: The level of micro code installed on the disk devices

       26.   Firmware version: The level of firmware running on the SAN fabric

Phase 4:
11.   Requirements(Pre installation, Installation, Post installation)
    a. Functionality (Direct requirements)
    b. Quality (indirect requirements)
12.   Services(Client/Server Services, Web)
13.   All Configuration & Checklists and Scheduling
14.   High availability Solution and Continuous Service Delivery Policy & Procedures & Scenarios

Phase 5:
15.   Planned & Unplanned Downtime Policy & Procedures & Scenarios
    a. Backup/Restore/Recovery Policy & window time & Procedures (Yearly, Monthly, Weekly, Daily)
    b. Crash recovery Policy & Procedures (Locate, TShot Addressing, Restoration) (Does it meet datacenter tier n standards for example Tier 3 and 99.982% downtime per year(94.608 minutes)?)
    c. Periodic Maintenance Procedures & Scenarios
    d. Troubleshooting Procedures & Scenarios
16.   Security Policy & Procedures
17.   SLA ,KPI, Alarm types(Critical, Major ,Minor , Warning) ,Contact Points

Phase 6:
18.   As-built(As-Is)
19.   I & C (Installation & Commissioning) Tests Results
    a. ATP (Acceptance Test Procedures) Documents
    b. PAC (Preliminary Acceptance Certificate) Signature
    c. FAC (Final Acceptance Certificate) Signature
20.   CR & Expansion Policy and Procedures

Phase 7:
21.   Trainings Course Syllabus
22.   Organization chart & job descriptions
23.   Admin/Root Users & Passwords

Oracle DB Handover checklists:

1. Meeting Notes, Agenda, Settlements and Amendments(As-Is, To-Be)
2. Disaster site & Solutions
3. Site Plans , Maps
4. Racks Layouts & Dimensions
5. Network Architecture Topology & Communications
6. Standards & Best practices & Revisions
7. IP Plan, Port Plan, Naming standard & Revisions
8. Tools & Softwares(VMs,OS,DB,…)
9. Drivers
10. Patches
11. Licenses
12. LOM (List Of Materials)
13. User manuals & guides
14. ATP (Acceptance Test Procedure)
15. Inventory list & design layout & Revisions   .
16. Operating systems, maintenance level and firmware levels
17. SAN Storage/Switch Topology and Communications
18. IP addresses: Private, Virtual, Public
19. Checklists
20. Periodic Maintenance Procedures & Scenarios
21. Process Scheduling, Crontabs
22. Important OS/DB commands(Daily/Weekly Monitoring , Daily/Weekly/Monthly Procedures)
23. Scripts
24. Data flows
25. High availability Solution and Continuous Service Delivery Policy & Procedures & Scenarios
26. Planned & Unplanned Downtime Policy & Procedures & Scenarios
27. Backup/Restore/Recovery Policy & window time & Procedures (Yearly, Monthly, Weekly, Daily)
28. Crash recovery Policy & Procedures (Locate, TShot Addressing, Restoration)
29. List of all Services & owners, Responsible Persons around systems & services
30. SLA
31. Troubleshooting Procedures & Scenarios
32. Security Policy & Procedures
33. Current All configurations
34. Site documents about MAA, RAC, DG, RMAN, *Critical Schemas, Data growing up rate*,…
35. Admin/Root Users & Passwords