

Data Centre Audit Checklist



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CA | CISA | DISA | CEH | COBIT-19 | ISO27001:2022 | RPA

Domain	Sub Domain	Control Checkpoints	Auditor remarks
Physical Access and Environmental controls	Secure areas	Are there sufficient controls in place for physical protection against damage from fire, earthquake, explosion, civil unrest and other forms of natural or man-made disaster ?	
Physical Access and Environmental controls	Secure areas	Are Security perimeter defined and used to protect areas that contain either sensitive or critical information processing facilities.	
Physical Access and Environmental controls	Securing the offices, room and facility	Are Smoke detectors and fire alarms installed ? Do they undergo a periodic preventive maintenance @ DC?	
Physical Access and Environmental controls	Securing the offices, room and facility	Are the fire extinguishers installed at easily visible and accessible locations? Are they adequate in number for the area to be covered	
Physical Access and Environmental controls	Secure areas	Are the physical security personnel trained in use of fire extinguishers and basic first aid ?	
Physical Access and Environmental controls	Secure areas	Are any Mock Fire Evacuation Drills/Emergency Evacuation Drills conducted ?	
Physical Access and Environmental controls	Secure areas	Are Emergency telephone numbers (Ambulance, Hospital, Police Station, Fire Brigade) put up at critical locations ?	
Physical Access and Environmental controls	Working in secure area	Is the overall diagram of the floor layout and safe assembly point kept put up at appropriate places @DC ?	
Physical Access and Environmental controls	Secure areas	Are the Emergency exits made visible and properly labeled ?	
Physical Access and Environmental controls	Secure areas	Air conditioning systems shall be implemented to ensure that the operational environmental conforms to the equipment manufacturer's specifications.	
Physical Access and Environmental controls	Secure areas	Are there procedures in place to monitor humidity and temperature levels in the data center/server room remain within the limits prescribed by the manufacturer/OEMs etc. ? Ensure that water alarm system is configured to detect water in high risk areas of the data center	
Physical Access and Environmental controls	Cabling security	Are cables clearly labeled and documented to minimize handling errors such as accidental patching of wrong network cables or electrical power surges@ DC?	

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Physical Access and Environmental controls	Secure areas	Is Physical access to the datacenter controlled using two-factor authentication ?	
Physical Access and Environmental controls	Secure areas	Are visitors required to make entry in visitor register ?	
Physical Access and Environmental controls	Securing the offices, room and facility	Are continuous monitoring systems (viz. CCTV's) installed to monitor critical facilities on a 24 x 7 basis ?	
Physical Access and Environmental controls	Secure areas	Are critical system, service, or infrastructure, or any physical location areas such as Datacenter post a sign to indicate that only authorized personnel are allowed ?	
Physical Access and Environmental controls	Physical Security	Is the access to restricted zone granted on the principle of need-to-access basis ?	
Physical Access and Environmental controls	Physical Security	Is the Periodic access rights review conducted for access granted to employees, contractors and third parties for <<Org Name>>?	
Physical Access and Environmental controls	Physical Security	Are visitors accompanied by organization staff when entering/working in critical systems, service, or infrastructure, or any physical location facilities such as Data Centre ?	
Physical Access and Environmental controls	Physical Security	Is there an access control register maintained at entry point of Data Centre ? Is date and time of entry and departure recorded for all visitors?	
Physical Access and Environmental controls	Physical Security	Are the racks in server room locked and access to these racks restricted to authorized personnel only ?	
Physical Access and Environmental controls	Physical Security	Is identification card for contractors, visitors or temporary employees physically different from regular employees?	
Physical Access and Environmental controls	Physical Security	Are the visitors always escorted @ DC?	
Physical Access and Environmental controls	Secure areas	Are access rights to secure areas regularly reviewed and updated? Like DC, critical office area	
Physical Access and Environmental controls	Secure areas	Are Access points such as delivery and loading areas and other points where unauthorised person could enter the premises shall be controlled and if possible isolated from information processing facilities' to avoid unauthorised access.	

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Physical Access and Environmental controls	Physical Security	Is there a designated site owner and backup site owner?	
Physical Access and Environmental controls	Physical Security	Do access request require approval of the site owner?	
Physical access and Environmental controls	Unattended user equipment	Are incoming and outgoing mail points and unattended fax, telex and Xerox machines protected?	
Physical access and Environmental controls	Secure disposal or re-use of equipment	Are printers cleared of sensitive information immediately?	
Physical access and Environmental controls	Equipment Maintenance	Is the maintenance of equipment done by authorized personnel only?	
Physical access and Environmental controls	Security of equipment off-premises	Is the use of any information equipment outside an organization's premises authorized by the management?	
Physical access and Environmental controls	Security of equipment off-premises	Is there adequate insurance cover for critical equipment ?	
Physical access and Environmental controls	Secure disposal or re-use of equipment	Is sensitive data and licensed software securely erased from equipment prior to disposal? Is the erasure mechanism secure ?	
Physical access and Environmental controls	Removal of assets	Whether procedures exist for management of removable media, such as tapes, memory cards, and reports ? Whether equipment, information or software are taken off-site with prior authorisation ?	
Physical access and Environmental controls	Disposal of media	Whether the media that are no longer required are disposed of securely and safely, as per formal procedures ?	
Business Continuity Management	Verify & review & evaluate information security continuity	Has any third party evaluated DR Program in the past 12 months?	
Business Continuity Management	Verify & review & evaluate information security continuity	Is there a DR test plan	
Business Continuity Management	Planning of information security	Has Annual management review of the DR program for adequacy of resources (people, technology, facilities, and funding) conducted?	

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Business Continuity Management	Availability of information processing facility	Is the disaster recovery site located in a different geographical location?	
Business Continuity Management	Implementing the information continuity	Is the incident response personnel identified with necessary responsibility, authority & competence to manage an incident & are the same communicated to the concerned personnel?	
Business Continuity Management	Planning of information security	Are there detailed recovery procedures (applications, Infrastructure components) documented for an effective recovery of the business applications ?	

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