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| **Sr No.** | **Title** | **Type Of Source** | **Purpose** | **Summary Points** | **Limitations** |
| 1 | Distributed Denial Of Service Attacks in cloud[1] | Theoratical research  (sciencedirect) | State of art of scientific and commercial solution. | Major Ddos incidents, attacks in IOT, categories of Ddos attack,  Cloud stimulation related framework. | -the server slows down and service  gets disrupted  -no standard test bed or platform for IoT  security. |
| 2 | Mitigating Distributed Denial Of Service attacks:  Network-Defence Methods [2] | Qualitative research  (IEEEexplore) | Application design and network defense. | Denial of capability(DOC),  Sink tree architecture, | -effectiveness-overhead trade-off by addressing the issue of  granularity of control in the network. |
| 3 | Handling System Overload Resulting From DDoS attack[3] | Discussion  (IEEEexplore) | Flash crowd events | Security purpose CAPTCHA - identify human and bot,  HTTP predirect module | -Do not have enough resources or infrastructure in place. |
| 4 | Migration Based Load Balance of virtual machines[4] | Theoratical research  (IEEEexplore) | Load prediction using genetic based methods | Large scale management architecture, metaheuristic algorithms, Load balancing mechanism- VMH-GPE- | -migration is a job assignment optimization problem  -usually  a time  consuming |
| 5 | An improved dynamic fault tolerant management algorithm during VM Migration In Cloud data center [5] | Qualitative research  (sciencedirect) | Fault tolerance management algorithm. | DFTM algorithm, Cloud survivability, minimal complexity,  recovery mechanisms. | - Poor Reliability  - Collateral damage  - Under-utilization |
| 6 | Design and Implementation of Virtual Machine Migration  Method in Cloud Computing | Theoratical research  (philstat) | Green computing and maximizing proper utilization of resources using ACO | Cloudlet,  ACO,  Migration, virtualmachine. | -By lowering server performance  -power consumption and energy  throughput have increased |
| 7 | A Load Balancing System for Mitigating  DDoS Attacks | Theoratical research  (ResearchGate) | Live Migration of  Virtual Machines | Virtualization technology, Security, Denial of service attacks, Live migration,  Load balancing | -issue in info-  communication security, and preventive measures have generally consisted of installation  of load balancing devices |
| 8 | A Survey on Virtual Machine Migration:  Challenges, Techniques and Open Issues | Discussion  (ResearchGate) | Challenges, Techniques and Open Issues | Cloud computing, Data center, Virtual machine migration, Pre-copy, Post-copy, Hybrid-copy,  User mobility, Performance analysis | - Termination conditions for pre-copy - Migration security  - Multiple migration |
| 9 | Maintaining Cloud Performance Under  DDOS Attacks | Journal  (ResearchGate) | Using MLD(Multiple Layer Defense) Scheme for DDOS attacks | Cloud Computing, Energy consumption, Service Level Agreement, DDoS attack. | -With the MLD scheme, the number of VM migration reduces. |
| 10 | Live Migration of Virtual Machines in the  Cloud | Qualitive research (Elsvier) | Determine the influence of cloud management layer and analyze the performance | KVM, Live Migration, Measurements,  OpenStack | -migration time increases with increasing VM  flavor as well as has a slight increase with increasing CPU load. |
| 11 | Methods to Mitigate Attacks during Live  Migration of Virtual Machines | Journal  (SpringerOpen) | Various mitigation techniques to reduce the security threats. | Cloud Computing, Hypervisor, Live Migration. | -migration time is very high in terms of pre-copy migration technique  -the down time is high in case of post-copy migration technique. |
| 12 | An Analysis on Virtual Machine Migration Issues and  Challenges in Cloud Computing | Theoretical research  (ResearchGate) | Analysis on VMs migration problems and challenges related to it | Virtual Machine, VM Migration, Cloud Server, virtualization,  serial migration, parallel migration. | -The algorithms based on CPU utilization alone are less  efficient for High Computing applications. |
| 13 | Optimization of live virtual machine migration in cloud computing | Journal  (SpringerOpen) | Optimizing the live migration on VMs | Virtualization, Hypervisor, Virtual machine, Live virtual machine  migration, Downtime | -This large-sized data suffers from the heterogeneity of network architecture. |
| 14 | A critical survey of live virtual machine migration techniques | Journal  (SpringerOpen) |  |  |  |
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