Windows Server, Virtualization & AWS Cloud Notes

NOTES | Windows & Cloud

Concise free notes covering Active Directory Domain Services, DNS, DHCP, Group Policy, hypervisor lab architecture, and AWS Solutions Architect Associate fundamentals.

KEY MODULES & STUDY CHECKLIST

01. Active Directory Domain Services (AD DS), OU design, DNS zones, DHCP & GPOs
02. Type-1/Type-2 hypervisors, virtual switches, snapshots & isolated lab networks
03. AWS core building blocks: IAM least privilege, VPC subnets, EC2, S3 & Load Balancers
04. On-premises to AWS cloud migration readiness & high-availability design checklist

PRACTICAL LAB COMMANDS & QUICK REFERENCE

```
# Windows Server AD & DNS quick verification (PowerShell)
dcdiag /q && repadmin /replsummary && Resolve-DnsName corp.local
# Refresh & audit applied Group Policy Objects
gpupdate /force && gpresult /r
# AWS CLI identity & VPC sanity check
aws sts get-caller-identity && aws ec2 describe-vpcs
```

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