

AWS Certified Solutions Architect: Associate - 9.0 DNS and Amazon Route 53

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Title: DNS and Route 53

Subtitle: AWS Certified Solutions Architect: Associate

9.1 DNS and Route 53

- Basics (Diagram)
 - Top-Level Domains (TLDs)
 - Top-Level Domain Registrars
 - Domain Names
 - IP Addresses
 - Hosts
 - Subdomains
 - Fully Qualified Domain Name (FQDN)
 - Name Servers
 - Zone Files
- DNS Resolution
 1. Check the host file
 2. Check the DNS cache
 3. Contact DNS Server
 - Root Hint Servers
 - TLD Servers
 - Domain-Level Name Servers
- Record Types
 - Start of Authority (SOA)
 - A and AAAA
 - Canonical Name (CNAME)
 - Mail Exchange (MX)
 - Name Server (NS)
 - Pointer (PTR)
 - Sender Policy Framework (SPF)
 - Text (TXT)
 - Service (SRV)
- Route 53
 - Domain Registration
 - Hosted Zones
 - Routing Policies
 - Simple
 - Weighted
 - Latency Based
 - Failover
 - Geolocation
 - Health Checking
- Building Resiliency with Route 53
 - Use an ELB in every region
 - Use cross-zone load balancing with connection draining
 - Use auto scaling
 - Use health checks in the ELB and in Route 53
 - Point application domain names to the ELBs using CNAMEs
 - Create a failover domain pointing to a static page
 - Assign the failover domain as a *secondary target* for the application alias
 - Use Amazon CloudFront for serving application content