



# Deploy AWS RDS Database In **AWS VPC**



# Expected Learning Outcomes

AWS RDS



- AWS VPC
- Deploy RDS DB Instance
- Connect To The RDS DB Instance



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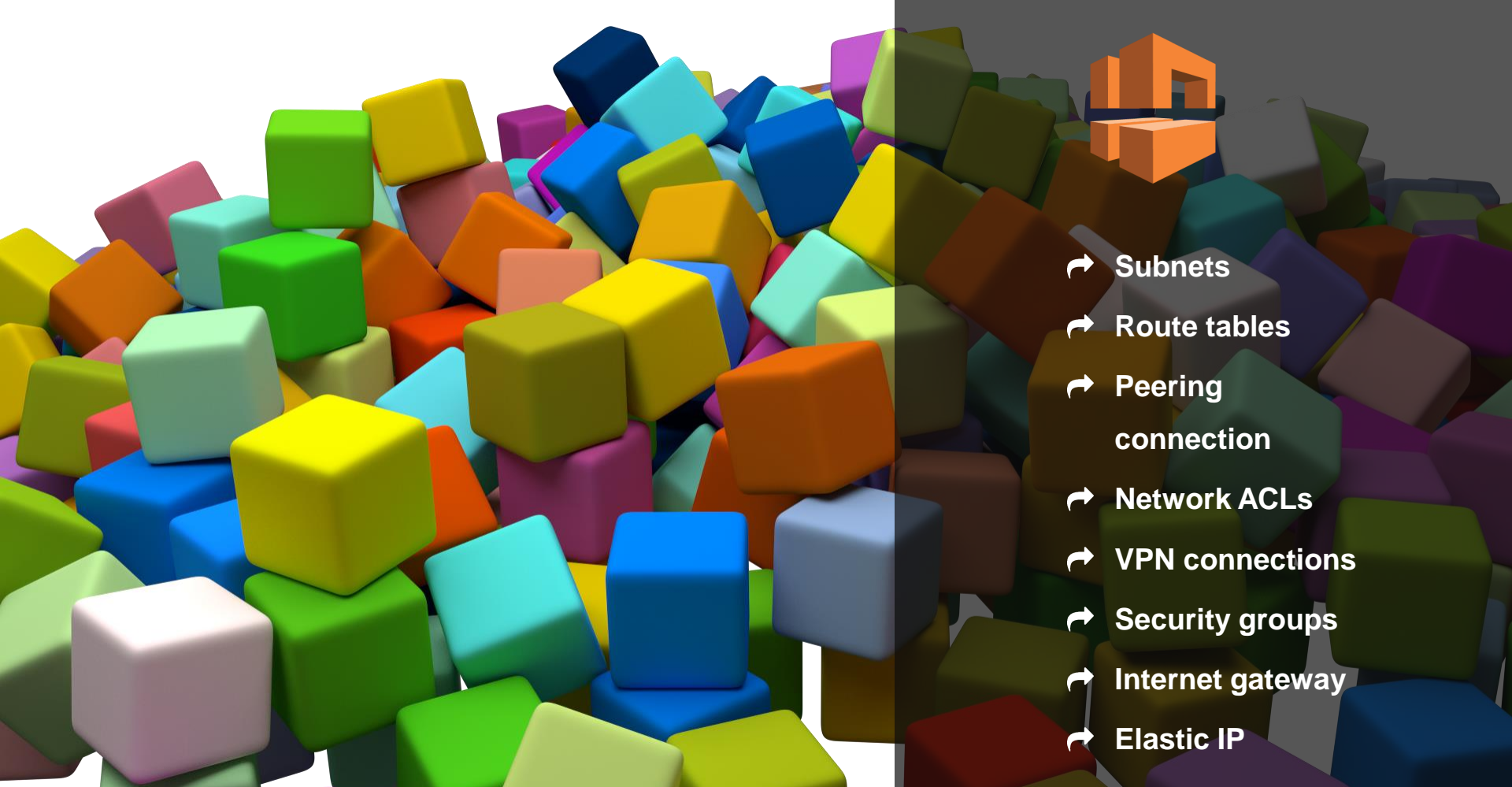


- **Isolated Logical Network**
- **Private And Public Subnets**
- **Scalable**
- **Extensible**



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- Subnets
- Route tables
- Peering connection
- Network ACLs
- VPN connections
- Security groups
- Internet gateway
- Elastic IP





- ↪ Complete control over networking
- ↪ Network Routing
- ↪ Security Mechanisms
- ↪ FREE!

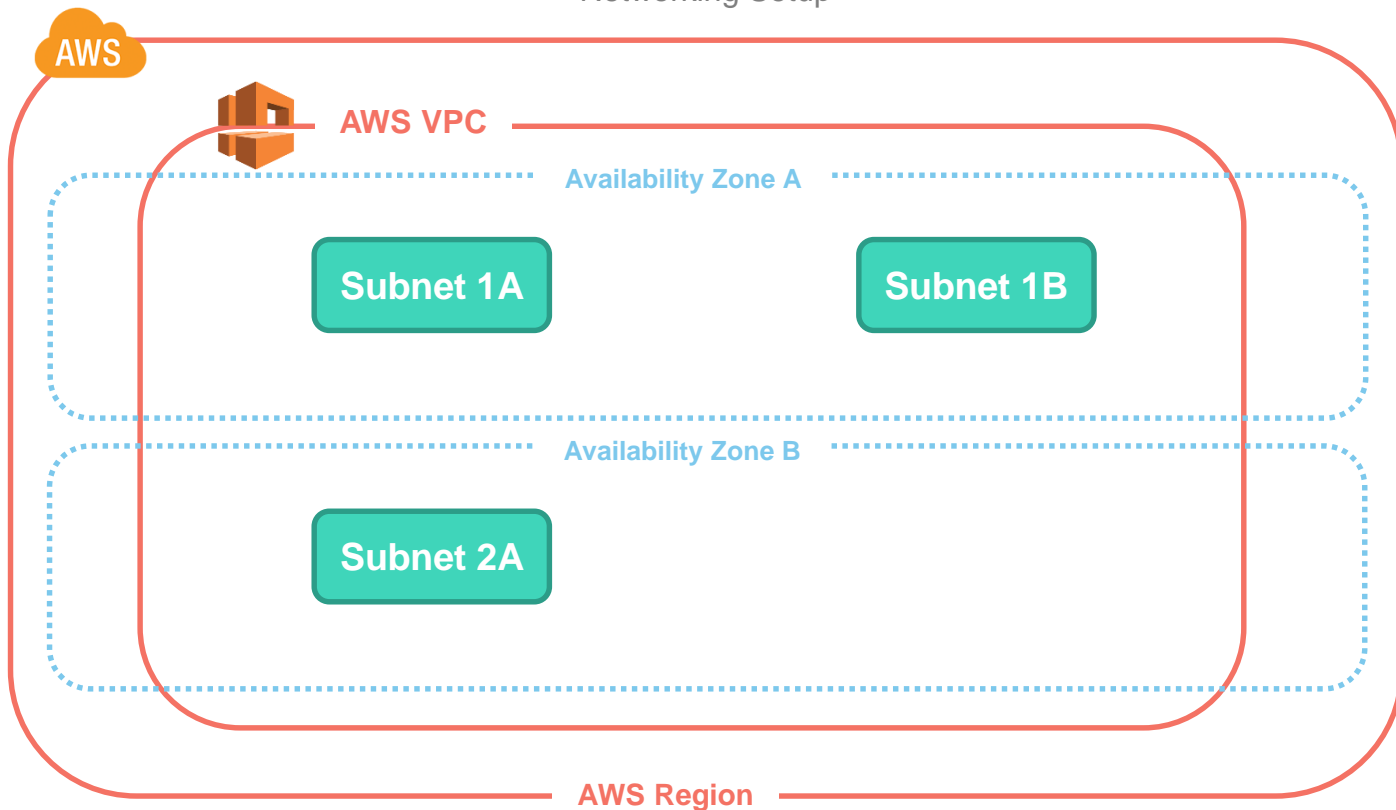


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# AWS VPC - Overview

Networking Setup



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↪ **First Four and Last IP addresses of every subnet are reserved by AWS**

↪ 10.0.0.0/24

↪ 10.0.0.0 to 10.0.0.3

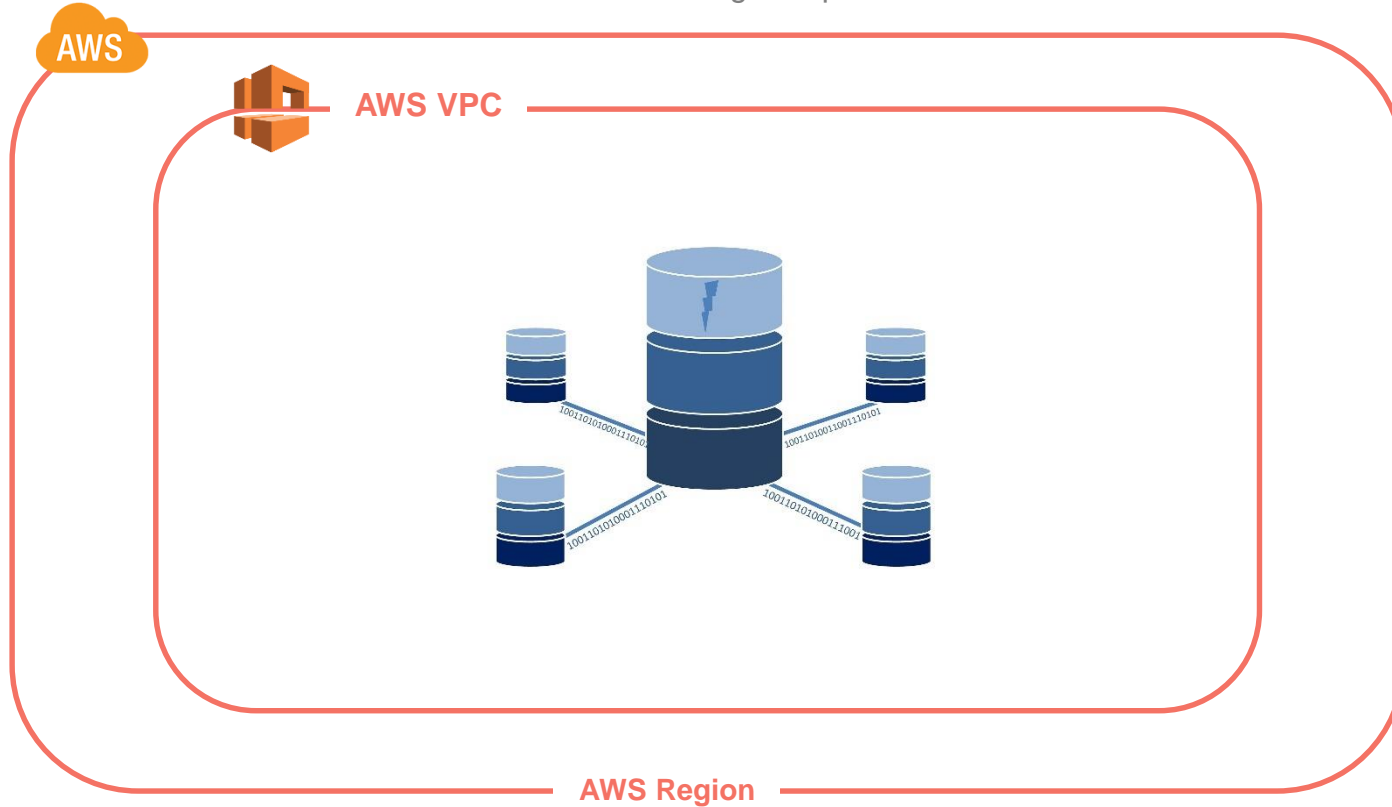
↪ 10.0.0.255

↪ **Auto-assign public IP determines allocation of public IP to an EC2 instance**



# AWS VPC And AWS RDS

Networking Setup



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- ➡ Internet Gateway
- ➡ Route Table (Custom)
- ➡ Private / Public Subnet
- ➡ Security Group



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The background of the slide features a person in silhouette, wearing glasses, looking at a wall composed of many small, circular, illuminated light fixtures. A large blue geometric shape, resembling a stylized arrow or a folded piece of paper, points towards the right and contains the main title and a demo button.

# Deploy AWS VPC

▶ DEMO



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# Deploy AWS RDS DB Instance

▶ DEMO



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# Connect To DB Instance

▶ DEMO



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# Recap

AWS RDS



- ➡ AWS VPC
- ➡ Deploy RDS DB Instance
- ➡ Connect To The DB Instance

