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Module 12 – Provisioning Infrastructure using Terraform Part - II

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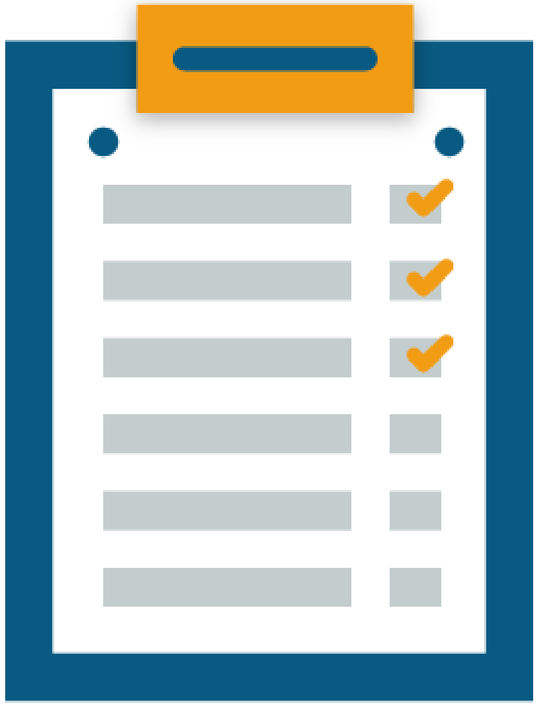
Topics

Following are the topics covered in this module:

- Terraform State Commands
- AWS Terraform Project



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Objectives

After completing this module, you should be able to:

- Perform Terraform State Commands
- Deploy a Terraform Project on AWS

Terraform State Commands

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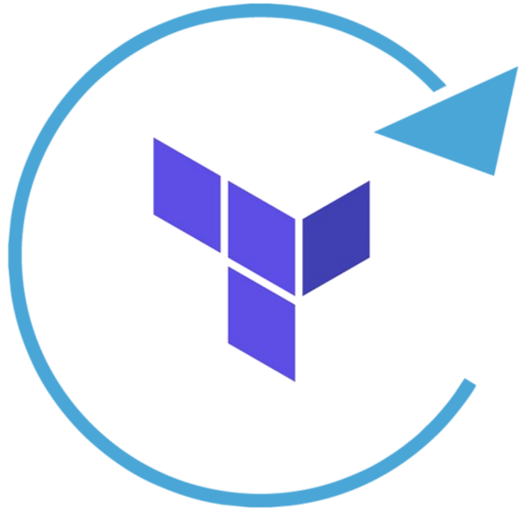
Terraform State Command

The terraform state command provides you with advanced state management capabilities. The state command can be used to manipulate terraform state instead of changing it directly



Terraform State: Subcommands

Subcommand	Description
`list`	Lists all the resources in the current state
`show`	Displays details about a deployed resource
`rm`	Removes a deployed resource
`mv`	It is used to move objects to a given destination
`pull`	Displays the current state on stdout
`push`	Updates the state from the local state file
`replace-provider`	Changes the provider of the current state

Demo: Terraform State Commands

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Terraform Project

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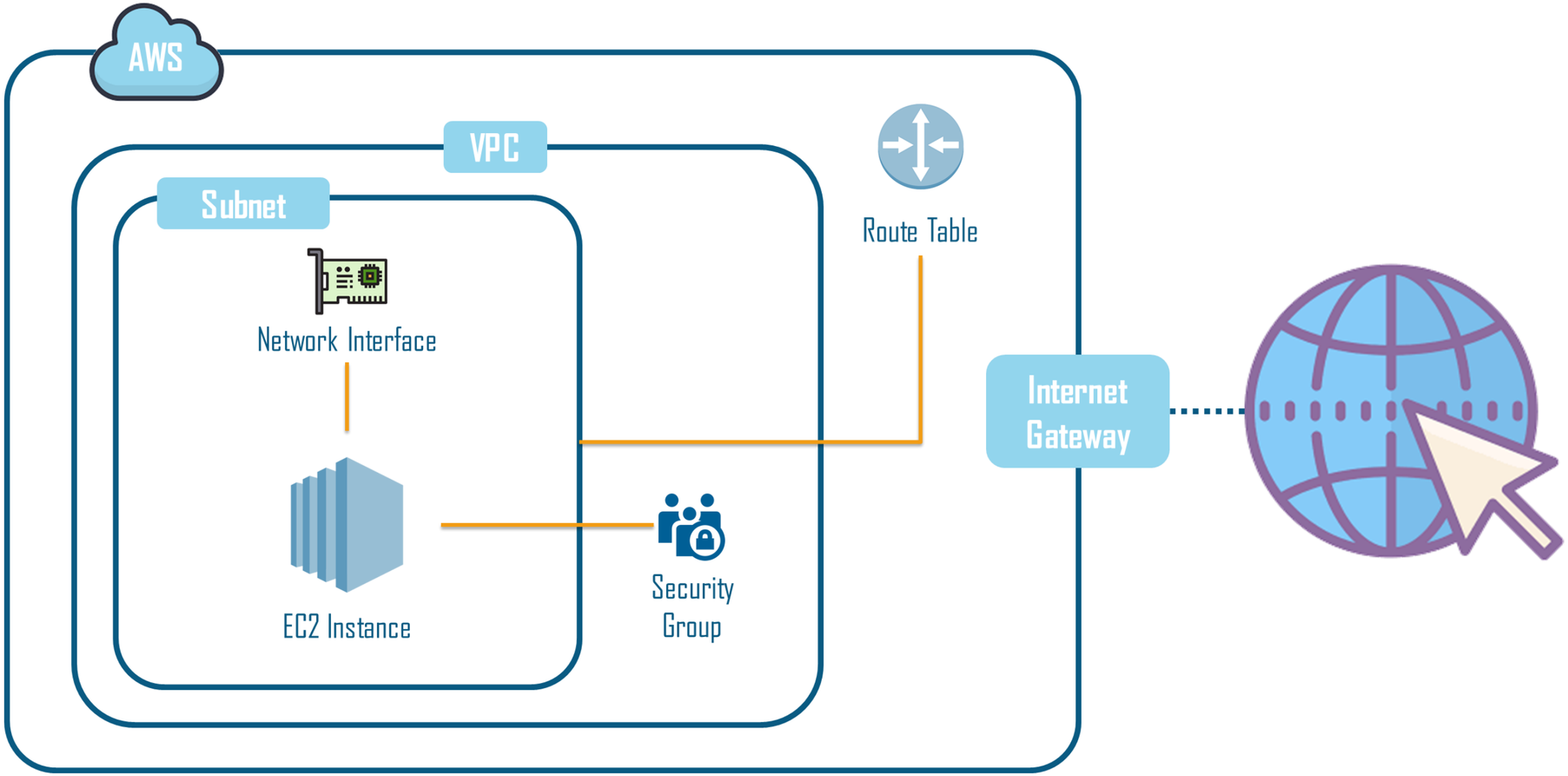
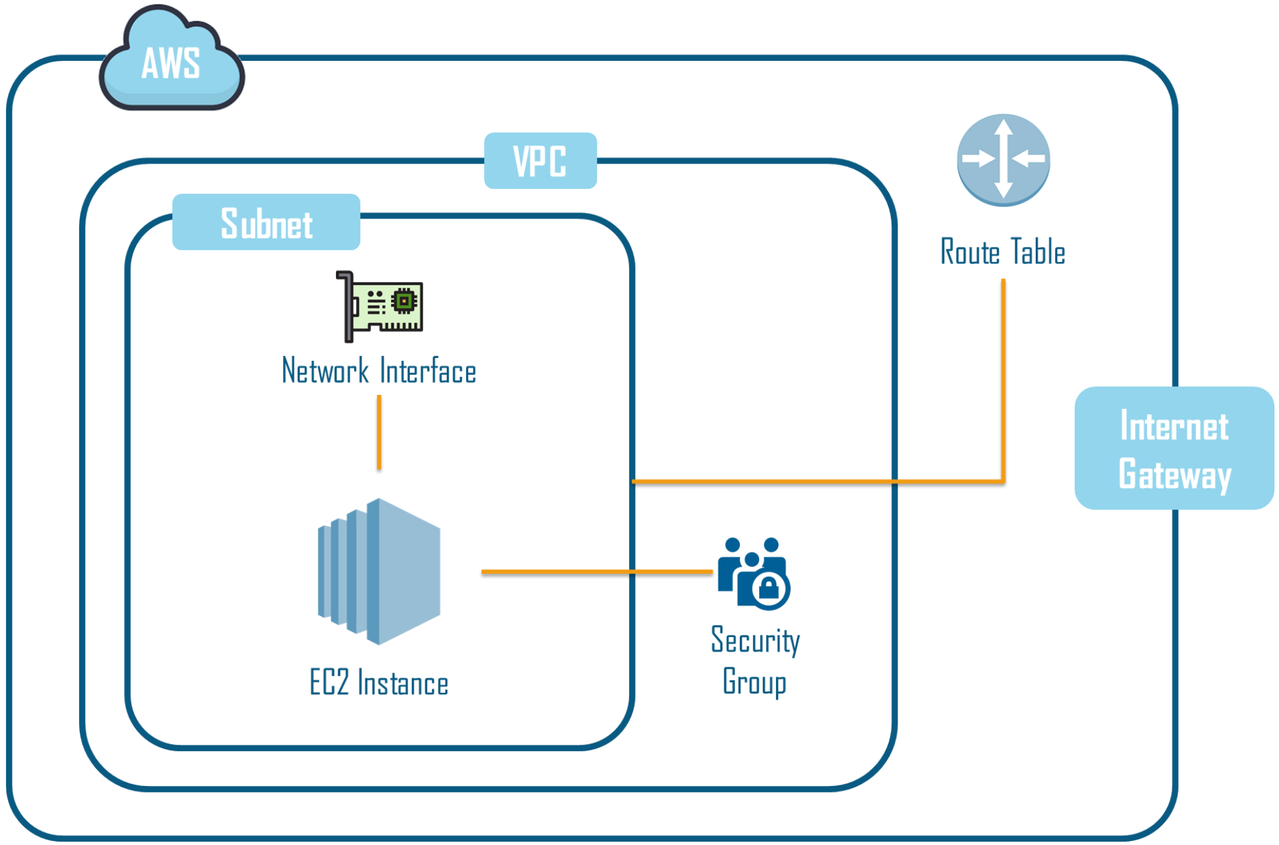
Terraform Project

We will deploy a project with the following infrastructure using Terraform



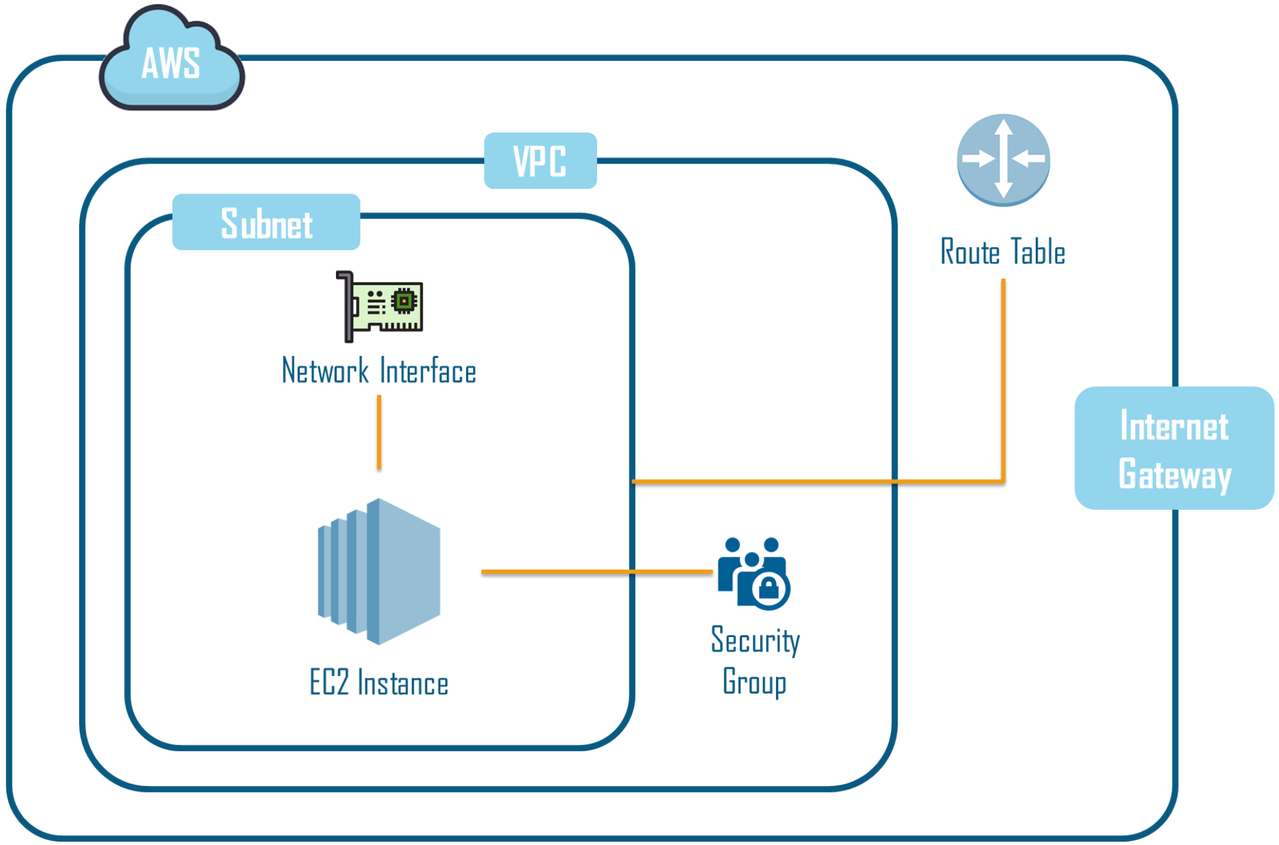
Part A: Network Setup

- Create a VPC
- Create an internet gateway
- Create a custom Route Table
- Create a Subnet
- Associate the Subnet with the Route Table



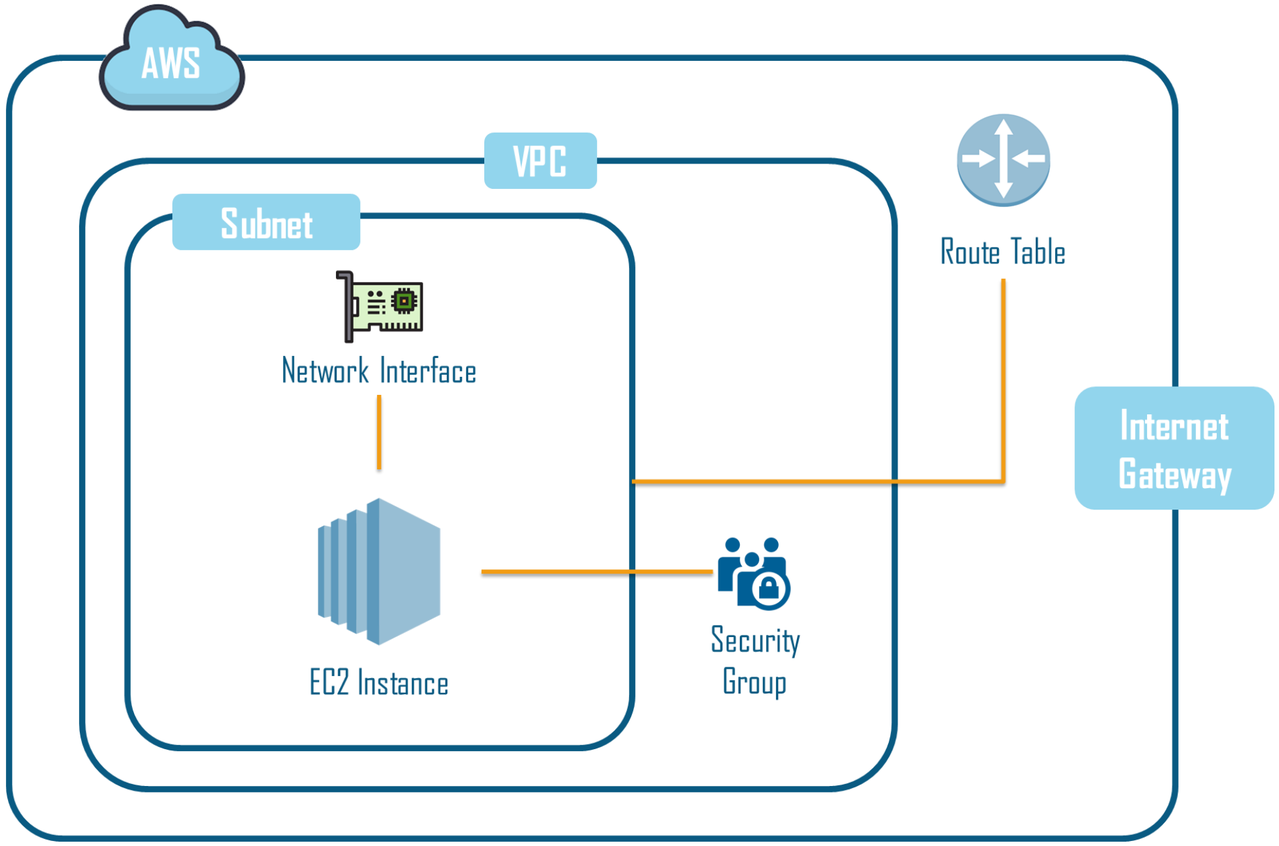
Part A: Security Group Setup

- Create a new security group
- Enable ports 22, 80, 443



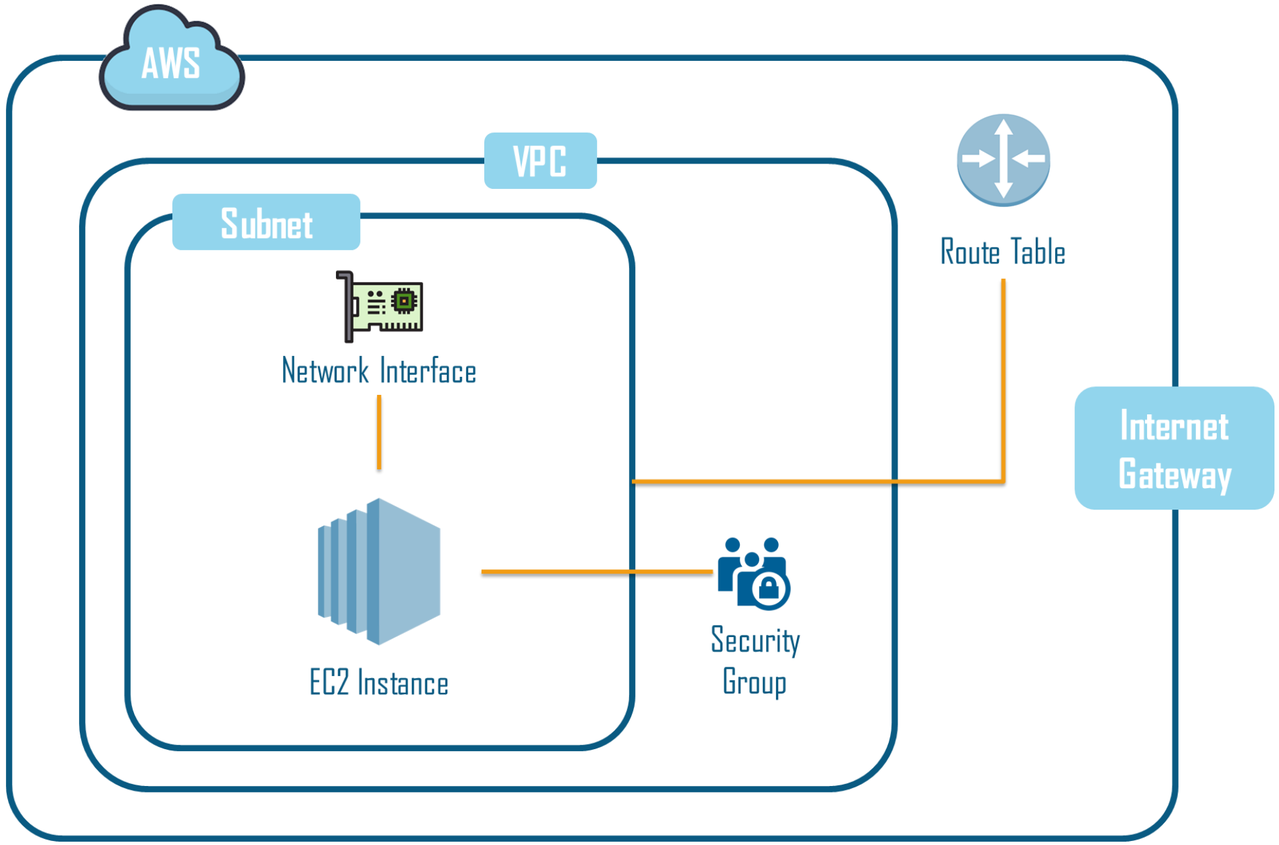
Part A: Network Interface Setup

- Create a new network interface with IP in the previously created subnet
- Create an elastic IP associated with the network interface



Part A: EC2 Instance Setup

- Create a new ubuntu ec2 instance and attach the network interface to it
- Install httpd server on it



Demo: Terraform Project

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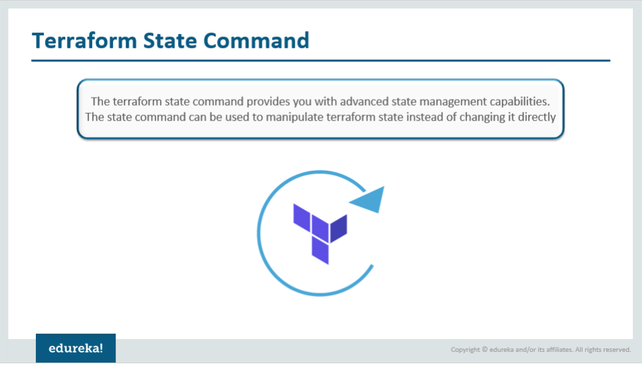
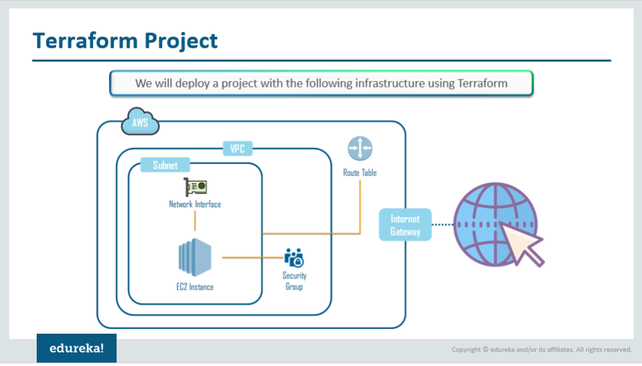
Summary





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Thank You

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