

Build Streaming Ingestion Pipelines for Snowflake with AWS

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Setting Up Your VPC and Private Subnet

Manual Setup

- Use the following AWS-provided instructions:
 - [Create a VPC](#)
 - [Create subnets](#)
 - [Internet gateway](#) (allows outbound traffic to the internet via a routing table and security group)
 - [NAT gateway](#) (if needed)

Setup via Snowflake-Provided CloudFormation Template

- Use [this link](#) to automatically deploy the below resources (this can take 15–30 minutes):
 - VPC
 - Pair of public and private subnets
 - Internet gateway
 - NAT gateway
- Cleanup
 - Clicking the **Delete** button will remove all the above resources

The screenshot shows the AWS CloudFormation console interface. On the left, there's a navigation pane with 'Services' and a search bar. Below it, the 'CloudFormation > Stacks > MSK-Snowflake-VPC' path is shown. The main area displays a table of stacks, with one row selected: 'MSK-Snowflake-VPC' (Status: CREATE_COMPLETE). On the right, a detailed view of the 'MSK-Snowflake-VPC' stack is shown. At the top of this view, there are tabs for 'Stack info', 'Events', 'Resources', 'Outputs', 'Parameters', 'Template', and 'Change sets'. The 'Delete' button is located in the top right corner of this header area and is highlighted with a red box. Below the tabs, the 'Overview' section provides details about the stack, including its ID, creation time (2023-06-25 10:44:01 UTC-0400), and status (CREATE_COMPLETE). It also lists root stack, created time, updated time, drift status (NOT_CHECKED), termination protection (Deactivated), and IAM role.

**[MSK architecture for guidance](#)



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