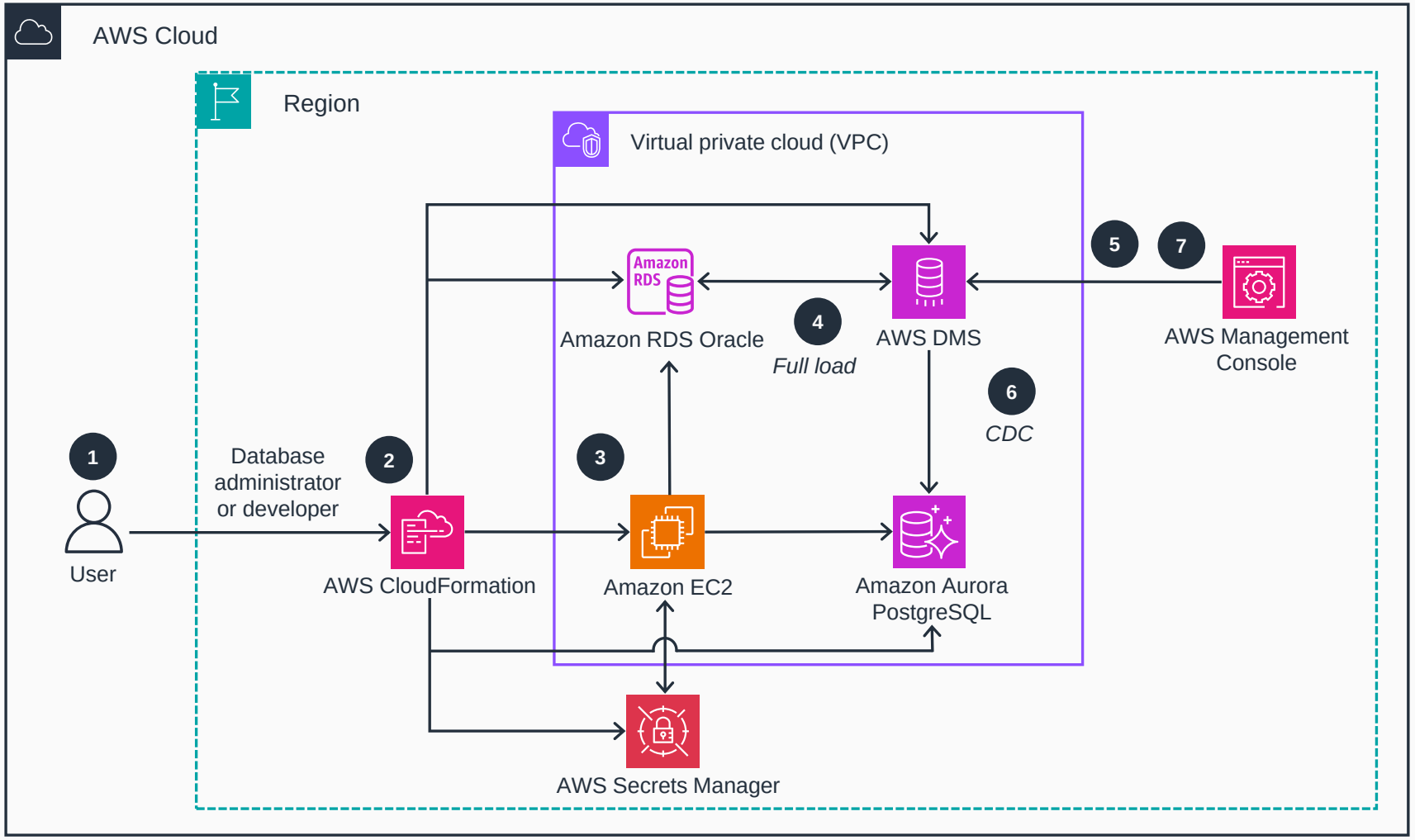
Guidance for Oracle Migrations to Amazon Aurora PostgreSQL Using AWS DMS

This architecture diagram shows how to use AWS DMS to migrate an Oracle database with large tables to Amazon Aurora PostgreSQL.



1. Download the **AWS CloudFormation** template from the GitHub repository and deploy the **CloudFormation** stack.
2. The **CloudFormation** stack deploys an **Amazon Elastic Compute Cloud (Amazon EC2)** instance, an **Amazon Relational Database Service (Amazon RDS)** Oracle instance, an **Amazon Aurora PostgreSQL** cluster, **AWS Secrets Manager** for secrets, and the **AWS Database Migration Service (AWS DMS)** infrastructure and tasks.
3. Connect to the **Amazon EC2** Bastion host using **AWS Systems Manager**. Clone the GitHub repo to the host. Run the data load procedures.
4. Start the **AWS DMS** task for full load. **AWS DMS** is preconfigured with sample tasks, leveraging the auto-parallelism feature for partitioned tables to provide better performance. Monitor task performance and completion in the **AWS DMS** section of the **AWS Management Console**.
5. Monitor the task for full load in the **AWS DMS** section of the **Management Console**. Once completed, proceed with the change data capture (CDC) task.
6. Start the **AWS DMS** CDC task, paying attention to the non-default task settings being used for high performance.
7. Monitor the task for CDC in the **AWS DMS** section of the **Management Console**.

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AWS Reference Architecture