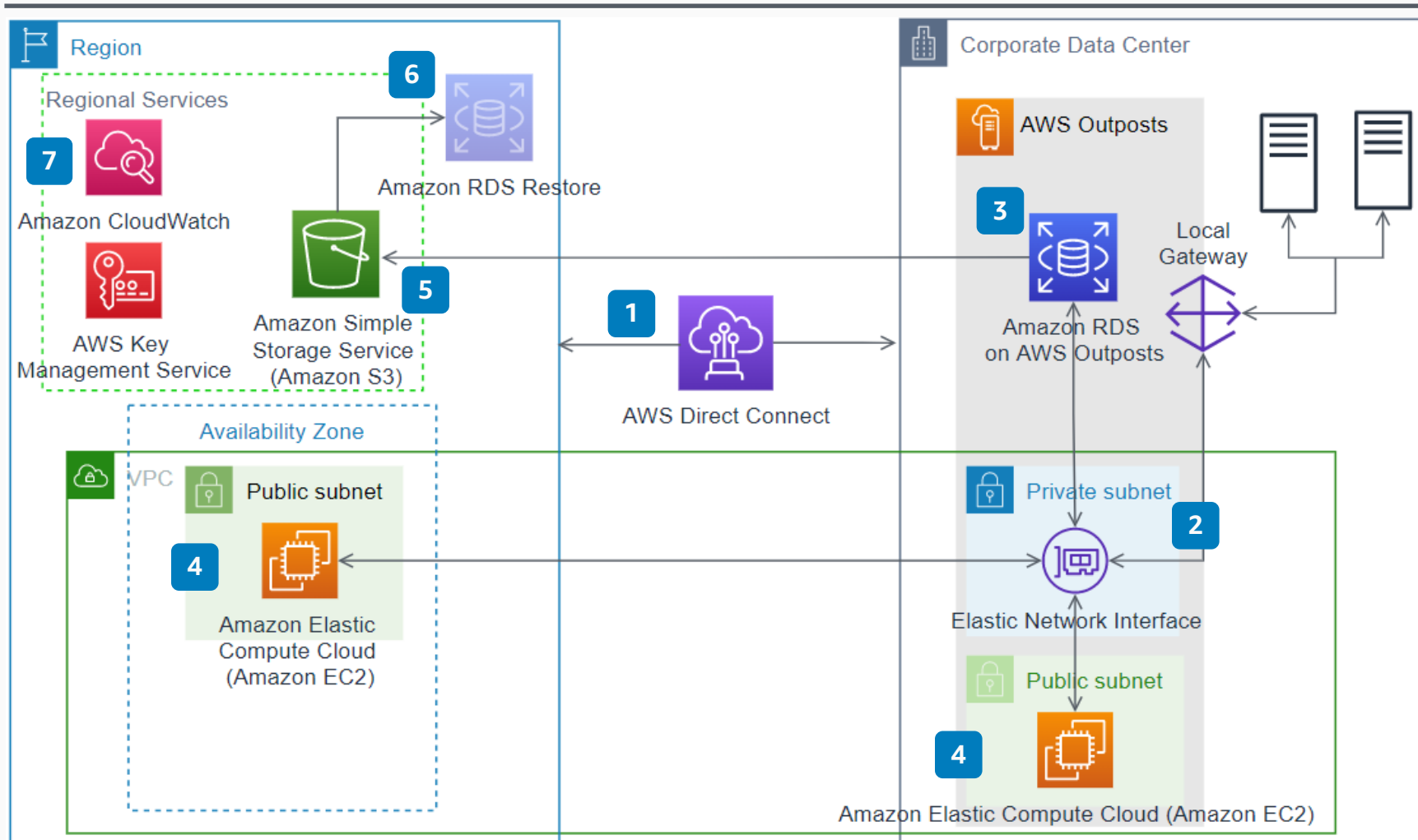


Amazon RDS on AWS Outposts

Reference Architecture for deploying **Amazon Relational Database Service (Amazon RDS)** on **AWS Outposts**.



1. Ensure a secure connection between **AWS Outposts** and the parent region using **AWS Direct Connect** or VPN. If the network connection between the AWS Region and **AWS Outposts** is disconnected, **Amazon RDS for Outposts** will continue to run. API calls and management tasks will be unavailable until the connection is restored.
2. Create a database (DB) subnet group that includes one subnet that is associated with your Outpost using **AWS Management Console**, the AWS CLI, or APIs. Customer Owned IP is also available for **Amazon RDS on Outposts**.
3. Create a supported RDS on **Outposts** using the **Console**, CLI, or APIs. RDS creates an Elastic Network Interface (ENI) in the DB subnet group specified earlier. **Amazon RDS** currently supports MySQL and PostgreSQL database engines and db.m5 and db.r5 instances.
4. Applications in the same VPC within the same Region or on **Outposts** can connect to the database using the RDS endpoint. Applications on-premises can connect to the RDS database through the **Outposts** Local gateway Direct VPC connect.
5. For **Amazon RDS on AWS Outposts** backups, you can use automated backups or manual snapshots. All the snapshots and transaction logs are stored in the AWS Region. If data residency is required, please reach out to your local account team.
 1. By default, automatic backups are enabled for 7 days. Retention can be set to a minimum of 1 day and maximum of 35 days. Schedule backups by defining a backup window time and duration.
 2. DB Snapshots are user-initiated, and can be initiated at any time using the **Console** via the **CreateDBSnapshot** API, or the **create-db-snapshot** command. They are kept until you explicitly delete them.
6. For disaster recovery, you can restore the **RDS** database in the parent Region using a snapshot that was taken from the **RDS** instance running on **AWS Outposts**.
7. **AWS Outposts** supports **Amazon CloudWatch** metrics. For a list of the supported metrics, see [Output metrics](#).

See the [AWS Outposts FAQ](#) page for updates on new services and features.

