

## ITOPS-001 – Backup and Restore

As a recovery point, backups are worked with the AWS Backup service with backup plans according to the need of the workload.

Based on the retention policies and recovery procedures we implemented with the client, and based on the criticality of the information in this project and the metrics obtained, the following were agreed upon with the client:

**RPO: 24 hours**

**RTO: 2 hours**

### Backup DB (RDS)

Aurora and RDS

Dashboard

Databases

Query editor

Performance insights

Snapshots

Exports in Amazon S3

Aurora and RDS

Reserved instances

Proxies

Automated Backups

Current Region

Replicated

Retained

Current Region backups (2) Info

Filter by current region backups

DB instance or cluster	Earliest restorable time	Latest restorable time	Engine	Encrypted
<input type="radio"/> <a href="#">srvcoredb</a>	April 22, 2025, 00:05 (UTC-04:00)	May 07, 2025, 13:04 (UTC-04:00)	sqlserver-se	Yes
<input type="radio"/> <a href="#">srvcoredb-sg</a>	April 29, 2025, 00:10 (UTC-04:00)	May 07, 2025, 13:02 (UTC-04:00)	sqlserver-se	Yes

System snapshots (16)						
<input type="text" value="Filter by system snapshots"/>						
Name	DB source	Creation time	Status	Progress	VPC	
<a href="#">rds:srvcoredb-2024-10-02-02-05</a>	srvcoredb	Tue Oct 01 2024 22:06:17 GMT-0400	available	Completed	vpc-0cb903ab58ab70435	
<a href="#">rds:srvcoredb-2024-10-03-02-04</a>	srvcoredb	Wed Oct 02 2024 22:05:57 GMT-0400	available	Completed	vpc-0cb903ab58ab70435	
<a href="#">rds:srvcoredb-2024-10-04-02-05</a>	srvcoredb	Thu Oct 03 2024 22:06:16 GMT-0400	available	Completed	vpc-0cb903ab58ab70435	
<a href="#">rds:srvcoredb-2024-10-05-02-05</a>	srvcoredb	Fri Oct 04 2024 22:06:17 GMT-0400	available	Completed	vpc-0cb903ab58ab70435	
<a href="#">rds:srvcoredb-2024-10-06-02-04</a>	srvcoredb	Sat Oct 05 2024 22:05:19 GMT-0400	available	Completed	vpc-0cb903ab58ab70435	
<a href="#">rds:srvcoredb-2024-10-07-02-04</a>	srvcoredb	Sun Oct 06 2024 22:05:37 GMT-0400	available	Completed	vpc-0cb903ab58ab70435	
<a href="#">rds:srvcoredb-2024-10-08-02-05</a>	srvcoredb	Mon Oct 07 2024 22:06:25 GMT-0400	available	Completed	vpc-0cb903ab58ab70435	
<a href="#">rds:srvcoredb-2024-10-09-02-04</a>	srvcoredb	Tue Oct 08 2024 22:05:45 GMT-0400	available	Completed	vpc-0cb903ab58ab70435	

### FSx Backup

FSx > Backups												
Backups (30)												
<input type="text" value="Filter backups"/>												
<input type="checkbox"/>	Backup name	Resource ID	Resource Name	File system type	Backup ID	Type	Deployment Type	Status	Backup time	Storage type	Storage	Active director
<input type="checkbox"/>	-	fs-038b593763e02011a	-	Windows	backup-0b530b15a81236da2	Automatic	Multi-AZ	Available	2024-08-25T22:13:19-04:00	-	100.00 GiB	<a href="#">d-9a670bi</a>
<input type="checkbox"/>	-	fs-038b593763e02011a	-	Windows	backup-095d150513a7bf51e	Automatic	Multi-AZ	Available	2024-08-26T22:13:15-04:00	-	100.00 GiB	<a href="#">d-9a670bi</a>
<input type="checkbox"/>	-	fs-038b593763e02011a	-	Windows	backup-09e4266e4f4cda293	Automatic	Multi-AZ	Available	2024-08-27T22:13:10-04:00	-	100.00 GiB	<a href="#">d-9a670bi</a>
<input type="checkbox"/>	-	fs-038b593763e02011a	-	Windows	backup-02a9dee71008b5d3e	Automatic	Multi-AZ	Available	2024-08-28T22:13:37-04:00	-	100.00 GiB	<a href="#">d-9a670bi</a>
<input type="checkbox"/>	-	fs-038b593763e02011a	-	Windows	backup-0356beca1f2e2448d	Automatic	Multi-AZ	Available	2024-08-29T22:14:04-04:00	-	100.00 GiB	<a href="#">d-9a670bi</a>
<input type="checkbox"/>	-	fs-038b593763e02011a	-	Windows	backup-054b17e02c503746b	Automatic	Multi-AZ	Available	2024-08-30T22:13:25-04:00	-	100.00 GiB	<a href="#">d-9a670bi</a>



Daily backup processes are established for the **EBS volumes**

Automated Backups

Current Region

Replicated

Retained

Current Region backups (1) Info

Q Filter by current region backups

Actions

DB instance or cluster

Earliest restorable time

Latest restorable time

Engine

Encrypted

awsoreadb

December 12, 2024, 22:05 (UTC-04:00)

December 27, 2024, 17:34 (UTC-04:00)

sqlserver-se

Yes

## Backup Automation Plan

AWS Backup

Backup plans

aws/efs/automatic-backup-plan

aws/efs/automatic-backup-plan

Delete

View JSON

Summary

Backup plan name

aws/efs/automatic-backup-plan

Backup plan ID

aws/efs/73d922fb-9312-3a70-99c3-e69367f9fdad

Version ID

MjAaNDY3NTIHNWJkMjQ0NTNkLTgyYjg5ODc2OWQwN2MyMTk3

Last modified

August 21, 2023, 17:35:32 (UTC-04:00)

Last runtime

October 16, 2024, 02:54:54 (UTC-04:00)

Backup rules (1)

Edit

Delete

Add backup rule

Backup rules specify the backup schedule, backup window, and lifecycle rules.

Name

Backup vault

Destination Backup vault

aws/efs/automatic-backup-rule

aws/efs/automatic-backup-vault

-

Resource assignments (1)

Delete

Assign resources

Resource assignments specify which resources will be backed up by this Backup plan.

Name

IAM role ARN

Creation time

aws/efs/automatic-backup-selection

arn:aws:iam::612977391817:role/aws-service-role/backup.amazonaws.com/AWSServiceRoleForBackup

August 21, 2023, 17:35:32 (UTC-04:00)

AWS Backup > Backup plans > <a href="#">aws/efs/automatic-backup-plan</a> > <a href="#">aws/efs/automatic-backup-rule</a>			
aws/efs/automatic-backup-rule <span>Delete</span> <span>Edit</span>			
<b>Summary</b>			
Backup rule name aws/efs/automatic-backup-rule	Frequency Daily At 05:00 AM Etc/UTC (UTC+00:00)	Start within 8 hours	Complete within 7 days
Transition to cold storage Not enabled	Archive Amazon EBS snapshots Not enabled	Total retention period 5 weeks	Backup vault aws/efs/automatic-backup-vault
Continuous backup Disabled	Tags added to recovery points - optional -		

SegurosPatria has been present throughout all phases of the project and has been provided with the know-how to understand the platform's infrastructure and administration.

The client has been present throughout the platform deployment and development, providing training on architecture, service configuration, troubleshooting procedures, and an updated diagram of the deployed architecture.

The meeting was conducted in a series of sessions via Microsoft Teams.



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### **Acknowledgment & Acceptance**

Please sign below to acknowledge that you've received, reviewed, and understood the security responsibilities.

**Customer Name:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_