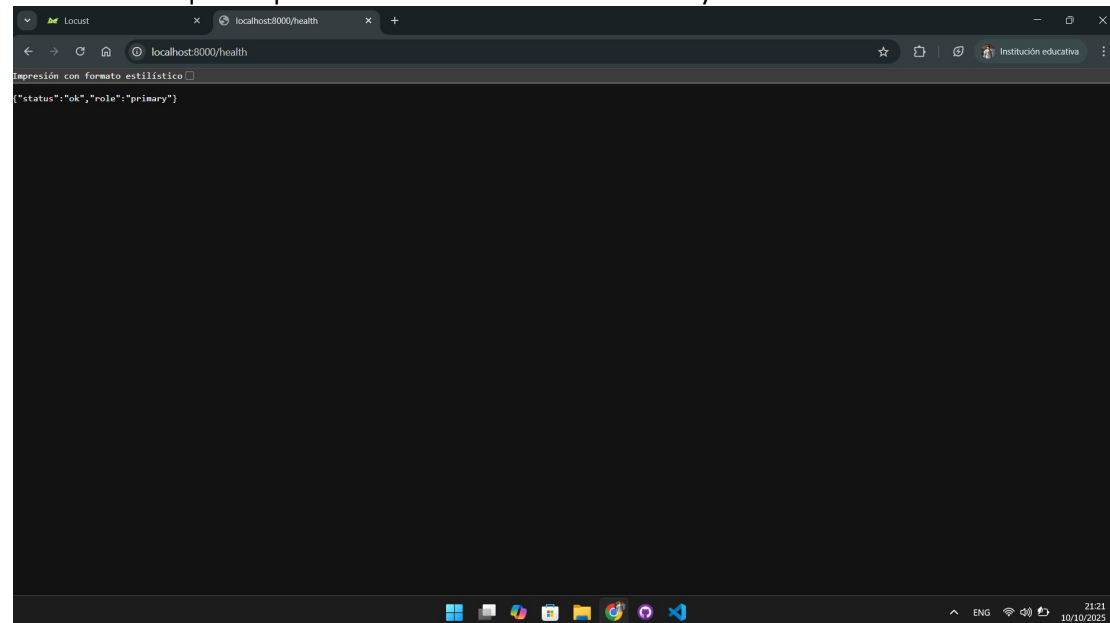
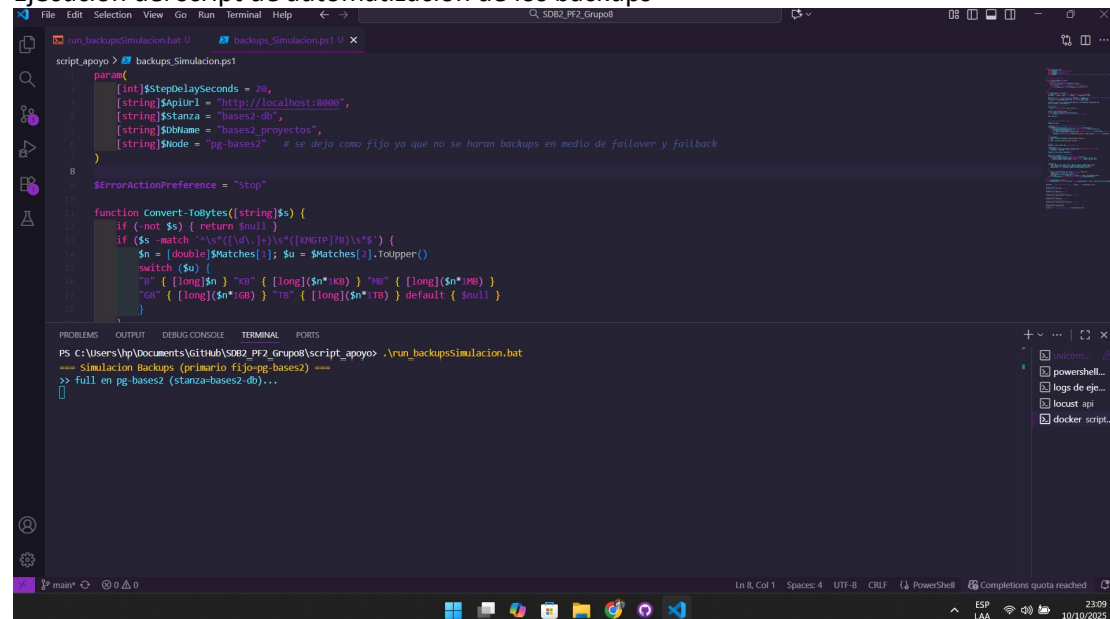


Capturas Backups

Validacion de que la api esta funcionando correctamente y conectada a la DB



Ejecucion del script de automatizacion de los backups



docker exec -u postgres pg-bases2 pgbackrest --stanza=bases2-db info

● Primer Backup (Dia 1 - Completo)

En este caso se hizo un completo sin ningun cambio, osea el apartado de locust esta apagado, cosa que no manda nuevos datos

Informacion de Redis:

```

7      {
8          "when": "2025-10-11T05:22:33.553969Z",
9          "node": "pg-bases2",
10         "stanza": "bases2-db",
11         "dbname": "bases2_proyectos",
12         "type": "full",
13         "label": null,
14         "repo_size_bytes": null,
15         "db_backup_bytes": null,
16         "duration_sec": null,
17         "wal_start": null,
18         "wal_stop": null,
19         "notes": "sim",
20         "id": "1760160153:full"
21     },

```

```

full backup: 20251011-050740F
timestamp start/stop: 2025-10-11 05:08:51+00 / 2025-10-11 05:22:32+00
wal start/stop: 000000050000001900000051 / 000000050000001900000051
database size: 27.3GB, database backup size: 27.3GB
repo1: backup set size: 5.5GB, backup size: 5.5GB

```

Informacion dentro del contenedor

```

full backup: 20251011-050740F
timestamp start/stop: 2025-10-11 05:08:51+00 / 2025-10-11 05:22:32+00
wal start/stop: 000000050000001900000051 / 000000050000001900000051
database size: 27.3GB, database backup size: 27.3GB
repo1: backup set size: 5.5GB, backup size: 5.5GB

```

● Segundo Backup (Dia 2 - Incremental)

En este caso ya encendemos Locust para generar datos, buscando que ya vean diferencias en los backups, a partir de aca Locust siempre estara encendido mandando datos con los mismos parametros, los siguientes backups seran asi.

Locust

localhost:8000/health

localhost:8089

LOCUST

Host
http://localhost:8000

Status
READY

RPS
0

Failures
0%

Start new load test

Number of users (peak concurrency) *
5

Ramp up (users started/second) *
0.5

Host
http://localhost:8000

Advanced options

START

ABOUT FEEDBACK

Locust

localhost:8089

LOCUST

Host
http://localhost:8000

Status
RUNNING

Users
5

RPS
3.6

Failures
0%

EDIT

STOP

RESET

STATISTICS

CHARTS

FAILURES

EXCEPTIONS

CURRENT RATIO

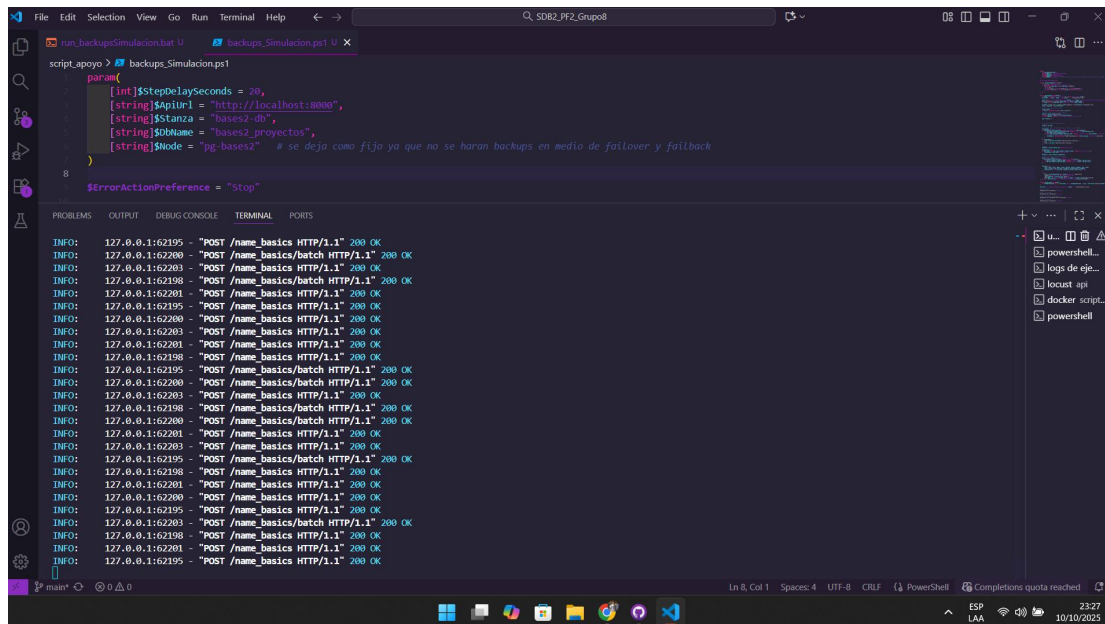
DOWNLOAD DATA

LOGS

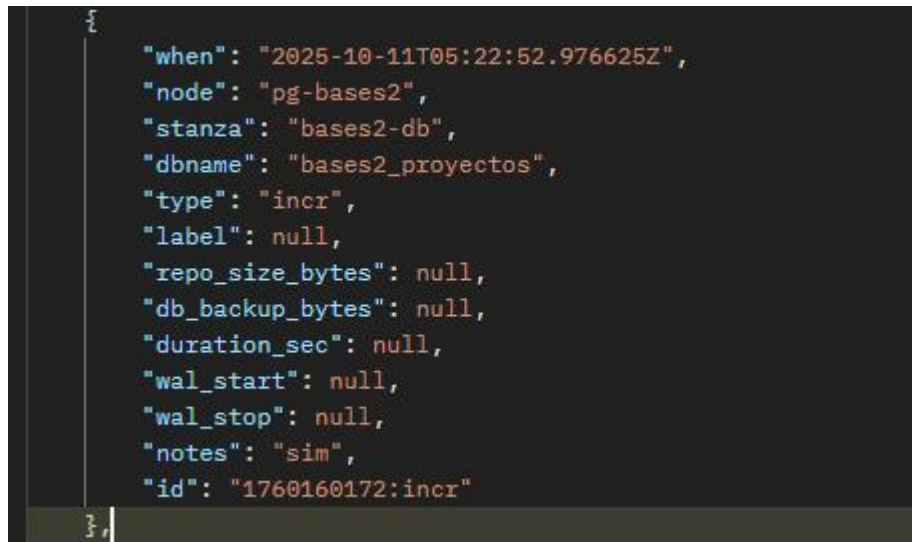
LOCUST CLOUD

Type	Name	# Requests	# Fails	Median (ms)	95%ile (ms)	99%ile (ms)	Average (ms)	Min (ms)	Max (ms)	Average size (bytes)	Current RPS	Current Failures/s
POST	POST /name_basics	156	0	9	120	2100	68.43	8	2372	52	2.7	0
POST	POST /name_basics/batch	46	0	110	130	2200	155.76	72	2222	26	0.9	0
	Aggregated	202	0	10	120	2100	88.32	8	2372	46.08	3.6	0

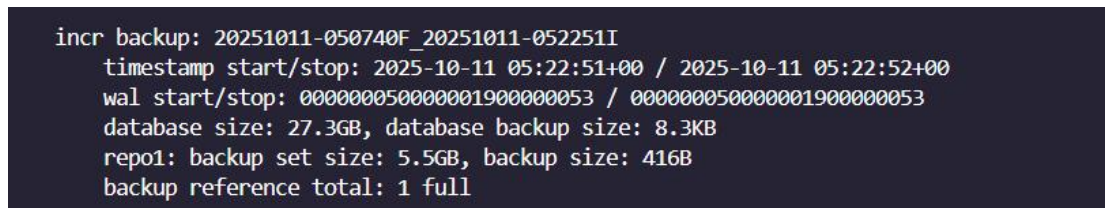
ABOUT FEEDBACK



Informacion de Redis



Informacion dentro del contenedor



● Tercer Backup (Dia 3 - Incremental, Diferencial)

Informacion de Redis

```

    "when": "2025-10-11T05:23:11.988359Z",
    "node": "pg-bases2",
    "stanza": "bases2-db",
    "dbname": "bases2_proyectos",
    "type": "diff",
    "label": null,
    "repo_size_bytes": null,
    "db_backup_bytes": null,
    "duration_sec": null,
    "wal_start": null,
    "wal_stop": null,
    "notes": "sim",
    "id": "1760160191:diff"
  },
  {
    "when": "2025-10-11T05:23:09.960339Z",
    "node": "pg-bases2",
    "stanza": "bases2-db",
    "dbname": "bases2_proyectos",
    "type": "incr",
    "label": null,
    "repo_size_bytes": null,
    "db_backup_bytes": null,
    "duration_sec": null,
    "wal_start": null,
    "wal_stop": null,
    "notes": "sim",
    "id": "1760160189:incr"
  }
],
}

```

Informacion dentro del contenedor

```

incr backup: 20251011-050740F_20251011-052308I
timestamp start/stop: 2025-10-11 05:23:08+00 / 2025-10-11 05:23:09+00
wal start/stop: 000000050000001900000055 / 000000050000001900000055
database size: 27.3GB, database backup size: 8.3KB
repo1: backup set size: 5.5GB, backup size: 415B
backup reference total: 1 full, 1 incr

diff backup: 20251011-050740F_20251011-052310D
timestamp start/stop: 2025-10-11 05:23:10+00 / 2025-10-11 05:23:11+00
wal start/stop: 000000050000001900000056 / 000000050000001900000057
database size: 27.3GB, database backup size: 8.3KB
repo1: backup set size: 5.5GB, backup size: 419B
backup reference total: 1 full

```

● Cuarto Backup (Dia 4 - Incremental)

Informacion de Redis

```
{
  "when": "2025-10-11T05:23:28.950225Z",
  "node": "pg-bases2",
  "stanza": "bases2-db",
  "dbname": "bases2_proyectos",
  "type": "incr",
  "label": null,
  "repo_size_bytes": null,
  "db_backup_bytes": null,
  "duration_sec": null,
  "wal_start": null,
  "wal_stop": null,
  "notes": "sim",
  "id": "1760160208:incr"
},
```

Informacion dentro del contenedor

```
incr backup: 20251011-050740F_20251011-052327I
timestamp start/stop: 2025-10-11 05:23:27+00 / 2025-10-11 05:23:28+00
wal start/stop: 0000000500000019000000059 / 0000000500000019000000059
database size: 27.3GB, database backup size: 8.3KB
repo1: backup set size: 5.5GB, backup size: 416B
backup reference total: 1 full, 1 diff
```

● Quinto Backup (Dia 5 - Incremental, Diferencial)

Informacion de Redis


```

{
  "when": "2025-10-11T05:23:47.987103Z",
  "node": "pg-bases2",
  "stanza": "bases2-db",
  "dbname": "bases2_proyectos",
  "type": "diff",
  "label": null,
  "repo_size_bytes": null,
  "db_backup_bytes": null,
  "duration_sec": null,
  "wal_start": null,
  "wal_stop": null,
  "notes": "sim",
  "id": "1760160227:diff"
},
{
  "when": "2025-10-11T05:23:45.952508Z",
  "node": "pg-bases2",
  "stanza": "bases2-db",
  "dbname": "bases2_proyectos",
  "type": "incr",
  "label": null,
  "repo_size_bytes": null,
  "db_backup_bytes": null,
  "duration_sec": null,
  "wal_start": null,
  "wal_stop": null,
  "notes": "sim",
  "id": "1760160225:incr"
},

```

Informacion dentro del contenedor

```

incr backup: 20251011-050740F_20251011-052344I
timestamp start/stop: 2025-10-11 05:23:44+00 / 2025-10-11 05:23:45+00
wal start/stop: 00000005000000190000005B / 00000005000000190000005B
database size: 27.3GB, database backup size: 8.3KB
repo1: backup set size: 5.5GB, backup size: 416B
backup reference total: 1 full, 1 diff, 1 incr

diff backup: 20251011-050740F_20251011-052346D
timestamp start/stop: 2025-10-11 05:23:46+00 / 2025-10-11 05:23:47+00
wal start/stop: 00000005000000190000005C / 00000005000000190000005D
database size: 27.3GB, database backup size: 8.3KB
repo1: backup set size: 5.5GB, backup size: 416B
backup reference total: 1 full

```

● Sexto Backup (Dia 6 - Diferencial, Completo)

En este caso aqui, finalmente si se apaga el locust al momento de hacer el ultimo completo
Informacion de Redis

```
[
  {
    "when": "2025-10-11T05:38:31.333800Z",
    "node": "pg-bases2",
    "stanza": "bases2-db",
    "dbname": "bases2_proyectos",
    "type": "full",
    "label": null,
    "repo_size_bytes": null,
    "db_backup_bytes": null,
    "duration_sec": null,
    "wal_start": null,
    "wal_stop": null,
    "notes": "sim",
    "id": "1760161111:full"
  },
  {
    "when": "2025-10-11T05:24:04.939981Z",
    "node": "pg-bases2",
    "stanza": "bases2-db",
    "dbname": "bases2_proyectos",
    "type": "diff",
    "label": null,
    "repo_size_bytes": null,
    "db_backup_bytes": null,
    "duration_sec": null,
    "wal_start": null,
    "wal_stop": null,
    "notes": "sim",
    "id": "1760160244:diff"
  }
],
```

Informacion dentro del contenedor

```
diff backup: 20251011-050740F_20251011-052403D
timestamp start/stop: 2025-10-11 05:24:03+00 / 2025-10-11 05:24:04+00
wal start/stop: 000000050000001900000005F / 000000050000001900000005F
database size: 27.3GB, database backup size: 8.3KB
repo1: backup set size: 5.5GB, backup size: 416B
backup reference total: 1 full

full backup: 20251011-052405F
timestamp start/stop: 2025-10-11 05:24:05+00 / 2025-10-11 05:38:30+00
wal start/stop: 0000000500000019000000060 / 0000000500000019000000061
database size: 27.3GB, database backup size: 27.3GB
repo1: backup set size: 5.5GB, backup size: 5.5GB
```

Script finalizado


```
File Edit Selection View Go Run Terminal Help
Q_S0B2_Pf2_Grupo8
run_backupsSimulacion.bat U backup_Simulacion.ps1 U X
script_apoyo > backup_Simulacion.ps1

param(
    [int]$StopDelaySeconds = 20,
    [string]$ApiUrl = "http://localhost:8080",
    [string]$Stanza = "bases2-db",
    [string]$DbName = "bases2 proyectos",
    [string]$Node = "pg-bases2" # se deja como fija ya que no se haran backups en medio de failover y failback
)

$ErrorActionPreference = "Stop"

PS C:\Users\Vip\Documents\Github\S0B2_Pf2_Grupo8\script_apoyo> .\run_backupsSimulacion.bat
>> incr en pg-bases2 (stanza=bases2-db)...
Log Redis id=1760160189:incr label= type=incr
>> diff en pg-bases2 (stanza=bases2-db)...
Log Redis id=1760160191:diff label= type=diff
Espera 15 s (fin Dia 3)
>> incr en pg-bases2 (stanza=bases2-db)...
Log Redis id=1760160208:incr label= type=incr
Espera 15 s (fin Dia 4)
>> incr en pg-bases2 (stanza=bases2-db)...
Log Redis id=1760160225:incr label= type=incr
>> diff en pg-bases2 (stanza=bases2-db)...
Log Redis id=1760160227:diff label= type=diff
Espera 15 s (fin Dia 5)
>> diff en pg-bases2 (stanza=bases2-db)...
Log Redis id=1760160244:diff label= type=diff
>> full en pg-bases2 (stanza=bases2-db)...
Log Redis id=1760160111:full label= type=full
== Simulacion completada ==
Presione una tecla para continuar . . .
```