

Participants:

Bjorn Meland - PE

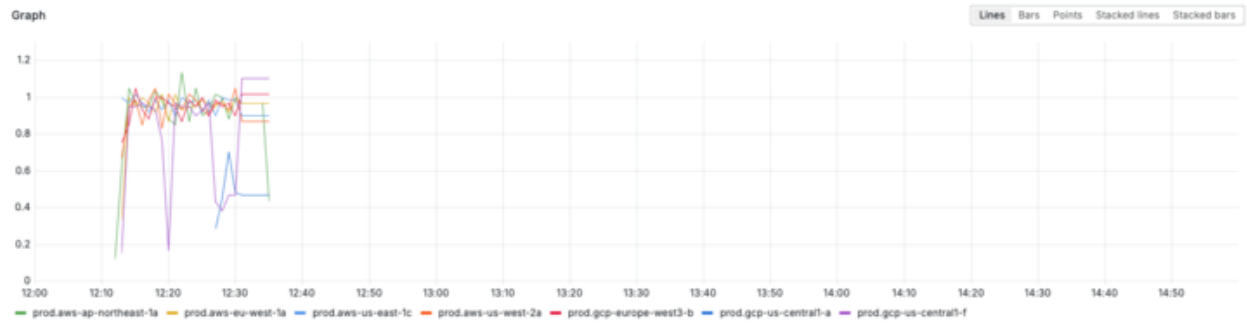
Links:

- [BIA](#)
- [Architecture Diagram](#)
- [CHG](#)
- [Slack Channel](#)
- [Runbook](#)
- [BCPT Record](#)
- [JIRA](#)

Components	Hosted Locations	Tier	Testing Locations
Vespa	aws-ap-northeast-1a aws-eu-west-1a aws-us-east-1c aws-us-west-2a gcp-europe-west3-b gcp-us-central1-a gcp-us-central1-f	3	aws-ap-northeast-1a aws-eu-west-1a aws-us-east-1c aws-us-west-2a gcp-europe-west3-b gcp-us-central1-a gcp-us-central1-f

Monitoring used for the BCP test:

[Grafana: queries_rate](#)



CHG Slack Notes in Pacific Time:

AWS/GCP Logs of failing out and failing back in

POST against /routing/v1/inactive to deactivate zone

DELETE against /routing/v1/inactive to reactivate zone

04:41 - Step 1 Started - Failout Vespa from aws-ap-northeast-1a aws-eu-west-1a
aws-us-east-1c aws-us-west-2a gcp-us-central1-a gcp-us-central1-f to gcp-europe-west3-b

```

Time ClientUser MethodResource Data
2025-02-11 12:41:52.302 console bjormel@vespa.ai POST
/routing/v1/inactive/tenant/vespa-team/application/canary-pipeline/instance/default/environment/prod/region/aws-eu-west-1a
    
```

```

2025-02-11 12:41:54.698 console      bjormel@vespa.ai  POST
/routing/v1/inactive/tenant/vespa-team/application/canary-pipeline/instance/default/environment/prod/region/aws-us-west-2a
2025-02-11 12:41:57.674 console      bjormel@vespa.ai  POST
/routing/v1/inactive/tenant/vespa-team/application/canary-pipeline/instance/default/environment/prod/region/aws-ap-northeast-1a
2025-02-11 12:42:01.025 console      bjormel@vespa.ai  POST
/routing/v1/inactive/tenant/vespa-team/application/canary-pipeline/instance/default/environment/prod/region/gcp-us-central1-a
2025-02-11 12:42:04.455 console      bjormel@vespa.ai  POST
/routing/v1/inactive/tenant/vespa-team/application/canary-pipeline/instance/default/environment/prod/region/gcp-us-central1-f
2025-02-11 12:42:18.881 console      bjormel@vespa.ai  POST
/routing/v1/inactive/tenant/vespa-team/application/canary-pipeline/instance/default/environment/prod/region/aws-us-east-1c

```

04:50 - Step 1 completed



04:50 - Failout Period Begins

05:15 - Failout Period Ends

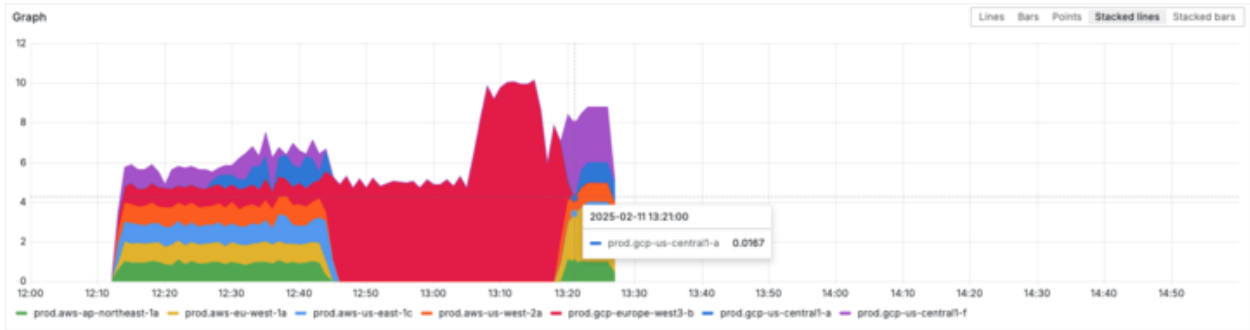
05:17 - Step 2 started - Failback Vespa from gcp-europe-west3-b to aws-ap-northeast-1a aws-eu-west-1a aws-us-east-1c aws-us-west-2a gcp-us-central1-a gcp-us-central1-f and take gcp-europe-west3-b OOR

Inverting

Time	Client	User	Method	Resource	Data
2025-02-11 13:17:17.956	console	bjormel@vespa.ai	DELETE	/routing/v1/inactive/tenant/vespa-team/application/canary-pipeline/instance/default/environment/prod/region/ aws-eu-west-1a	
2025-02-11 13:17:20.555	console	bjormel@vespa.ai	DELETE	/routing/v1/inactive/tenant/vespa-team/application/canary-pipeline/instance/default/environment/prod/region/ aws-us-west-2a	
2025-02-11 13:17:23.453	console	bjormel@vespa.ai	DELETE	/routing/v1/inactive/tenant/vespa-team/application/canary-pipeline/instance/default/environment/prod/region/ aws-ap-northeast-1a	
2025-02-11 13:17:27.521	console	bjormel@vespa.ai	DELETE	/routing/v1/inactive/tenant/vespa-team/application/canary-pipeline/instance/default/environment/prod/region/ gcp-us-central1-a	

```

2025-02-11 13:17:31.454 console      bjormel@vespa.ai  DELETE
/routing/v1/inactive/tenant/vespa-team/application/canary-pipeline/instance/default/environment/prod/region/gcp-us-central1-f
2025-02-11 13:17:35.333 console      bjormel@vespa.ai  POST
/routing/v1/inactive/tenant/vespa-team/application/canary-pipeline/instance/default/environment/prod/region/gcp-europe-west3-b
2025-02-11 13:19:01.190 console      bjormel@vespa.ai  DELETE
/routing/v1/inactive/tenant/vespa-team/application/canary-pipeline/instance/default/environment/prod/region/aws-us-east-1c
05:25 - Step 2 completed
    
```



05:25 - Failout Period Begins

05:45 - Failout Period End

05:46 - Step 3 started - Failing back gcp-europe-west3-b

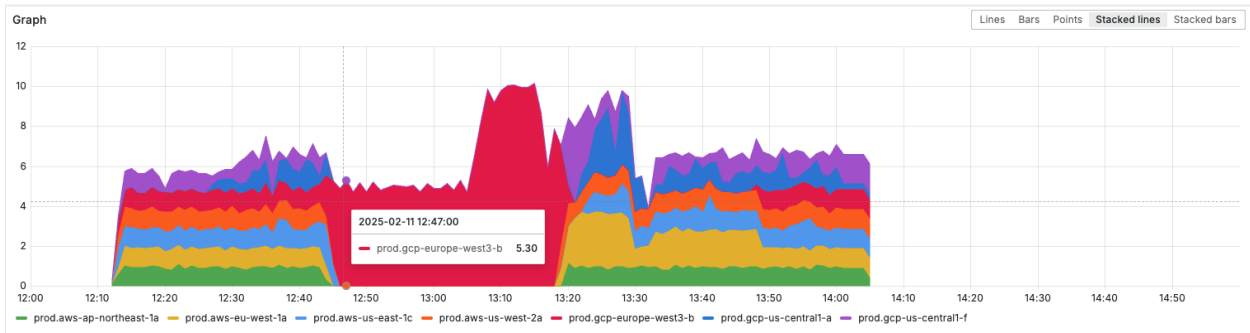
Activating gcp-europe-west3-b

```

Time Client      User      MethodResource      Data
2025-02-11 13:46:30.152 console      bjormel@vespa.ai  DELETE
/routing/v1/inactive/tenant/vespa-team/application/canary-pipeline/instance/default/environment/prod/region/gcp-europe-west3-b
    
```

05:55 - Step 3 completed

AWS/GCP BCP Activity



BCP Steps in Minutes:

Step # - Time (Runbook Step) - description

Step 1 - 9 mins - Failout Vespa from aws-ap-northeast-1a aws-eu-west-1a aws-us-east-1c
aws-us-west-2a gcp-us-central1-a gcp-us-central1-f to gcp-europe-west3-b

Step 2 - 8 mins - Failback Vespa from gcp-europe-west3-b to aws-ap-northeast-1a
aws-eu-west-1a aws-us-east-1c aws-us-west-2a gcp-us-central1-a gcp-us-central1-f and take
gcp-europe-west3-b OOR

Step 3 - 9 mins - Failback Vespa to gcp-europe-west3-b

Total: 26 mins

RTA: 26/3 = 9 mins

Remediation(s):

None

Note(s):

None

Identified Risk(s): No risks identified during this exercise.

Conclusion:

Full Certification - Vespa Public Cloud successfully performed a self BCP exercise across AWS and GCP on 02/11/2025. The tier 3 component (vespa serving) met the RTO of their tier by failing out of all AWS AZs (aws-ap-northeast-1a, aws-eu-west-1a, aws-us-east-1c, aws-us-west-2a) and GCP AZs (gcp-europe-west3-b, gcp-us-central1-a, gcp-us-central1-f) and back. No technical issues or user impact were observed during this exercise.

Certification scores are valid for one year from the date of issuance - 03/31/2025.