

How to identify resources in case of outage to GCP resources within certain zone/region

- Why do we need to identify resources based on certain zone/region?
- How can Administrator identify affected resources in GCP?

Why do we need to identify resources based on certain zone/region?

Google Health status might announce issue regarding services in particular area. For example, below is an example of the announcement of issues.

Google Warning

Summary: Multiple Google Cloud services in the europe-west9-a zone are impacted

Description: Water intrusion in a data center in europe-west9 caused a multi-cluster failure that led to a shutdown of multiple zones. Impact is now limited to services in europe-west9-a. There is no ETA for full recovery of operations in europe-west9-a at this time. We expect to see extended outages for some services. Customers are advised to failover to other zones/regions if they are impacted.

We will provide an update by Friday, 2023-04-28 07:00 US/Pacific, or upon any significant development.

Diagnosis: Customers may be unable to access existing Cloud resources in the europe-west9-a zone.

Workaround: Customers can failover to other zones in europe-west9 or to other regions.

How can Administrator identify affected resources in GCP?

The administrator of GCP can use "Asset Inventory" to quickly identify resources which are impacted.

The screenshot shows the Google Cloud Asset Inventory interface. The top navigation bar includes the Google Cloud logo, a dropdown menu for 'solvay.com', and a search bar containing 'iap'. Below the navigation bar, the 'Asset Inventory' page is displayed with tabs for 'OVERVIEW', 'RESOURCE', 'IAM POLICY', and 'ASSET QUERY'. The 'RESOURCE' tab is active. A 'Filter results' section shows 'CLEAR ALL' and 'Results 1-50 of about 129' with a 'DOWNLOAD CSV' button. A filter is applied to 'europe-west1'. A table lists resources with columns for 'Display name', 'Resource type', 'Project Id', 'Location', 'Status', and 'Created'. The table shows several 'compute.Instance' resources in the 'europe-west1-b' and 'europe-west1-c' locations, all with a 'RUNNING' status. A warning message on the left states: 'Only the first 61651 search results are counted, which may be less than the total number of resources. To see accurate counts, add search terms or apply filters to narrow down the search results.'

| Display name | Resource type | Project Id | Location | Status | Created |
|--------------|------------------|------------|----------------|---------|---------------------------|
| [REDACTED] | compute.Instance | [REDACTED] | europe-west1-b | RUNNING | Nov 14, 2017, 2:14:58 PM |
| [REDACTED] | compute.Instance | [REDACTED] | europe-west1-c | RUNNING | Jul 13, 2018, 1:14:12 PM |
| [REDACTED] | compute.Instance | [REDACTED] | europe-west1-b | RUNNING | Dec 7, 2018, 3:51:01 PM |
| [REDACTED] | compute.Instance | [REDACTED] | europe-west1-b | RUNNING | Apr 5, 2019, 1:57:58 PM |
| [REDACTED] | compute.Instance | [REDACTED] | europe-west1-b | RUNNING | May 23, 2019, 1:49:04 PM |
| [REDACTED] | compute.Instance | [REDACTED] | europe-west1-b | RUNNING | May 24, 2019, 10:58:46 AM |