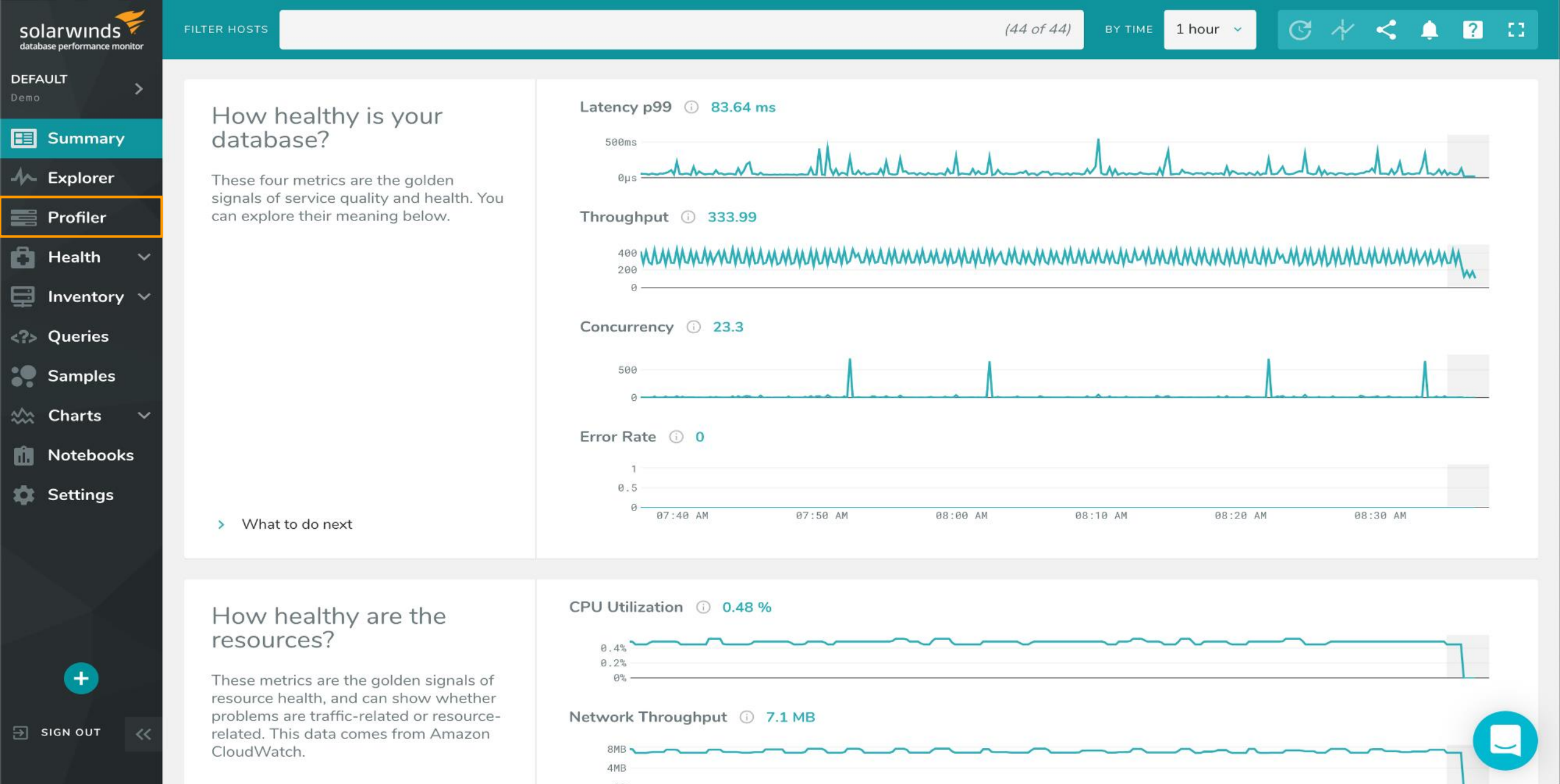


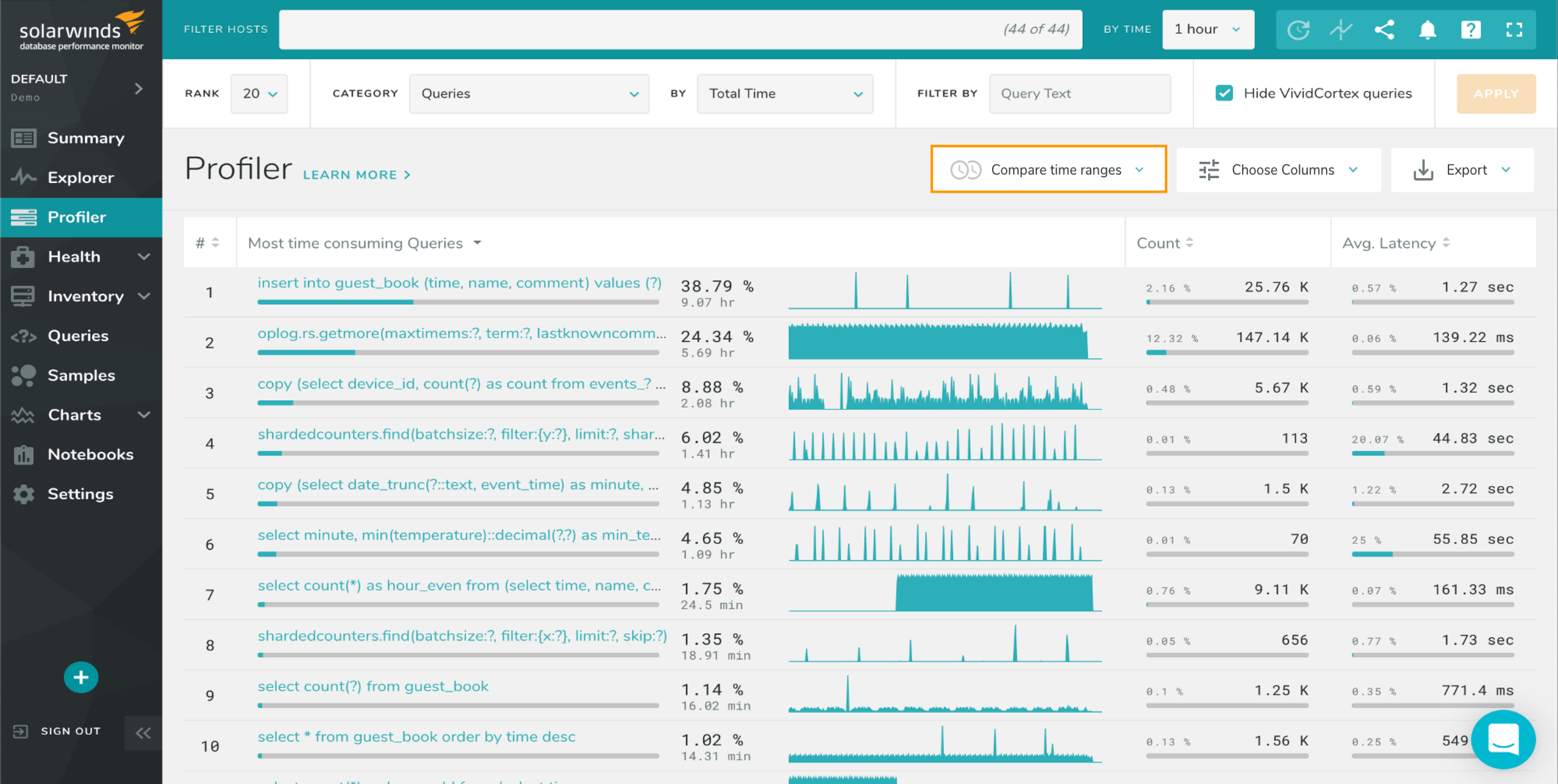
GUIDED DEMO

Database Performance Monitor (DPM)

Deploying Code with Confidence

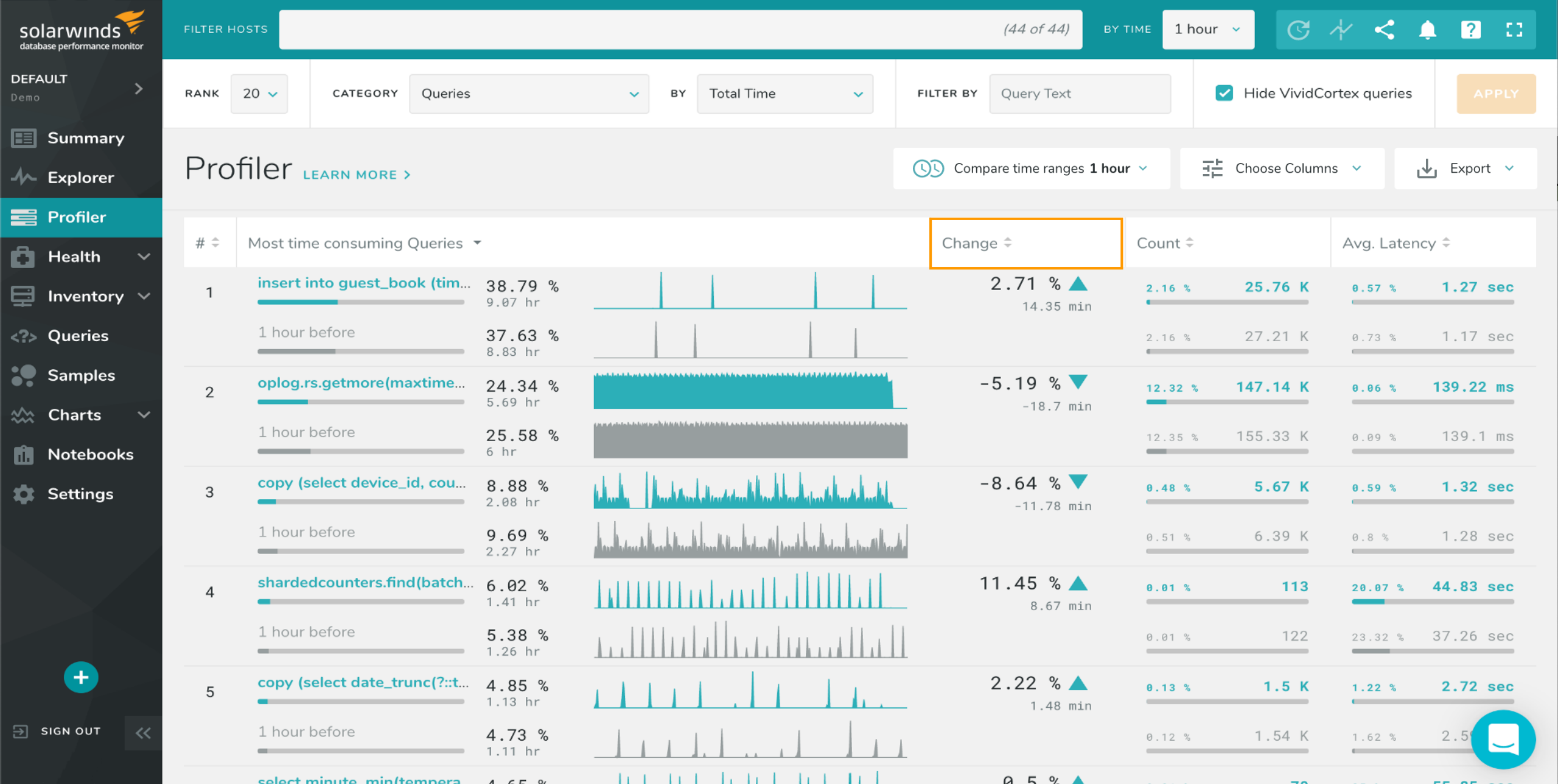


DPM makes it easy to check the health of the database each time you deploy new code. First, let's measure the impact of the code change on database workload. To get started, click on **Profiler** in the left navigation bar [orange box].



Profiler offers key metrics for each query. Here you see the **Most Time-Consuming Queries** (row 1-10+) ranked by percentages (column 3). Now let's see the new code's impact by checking performance before/after release. Click **Compare Time Ranges** [orange box] for 1 hour.





With **Compare Time Ranges** set for 1 hour, we get a before/after view of each query with spark lines in teal for the current hour and grey for the previous hour. To find the biggest impacts, we can sort by column filters. For the biggest difference in timing, click **Change** [orange box]



When the filter is applied, your stack-ranked list adjusts to put the queries with the biggest **Change** on top. Now that we've seen how workload was impacted by the new code and where it changed the most, let's check on new queries. Click on **Queries** in the left nav [\[orange box\]](#).

SHOW

No filter

QUERY TEXT

Filter queries by content

☐ New Queries Only

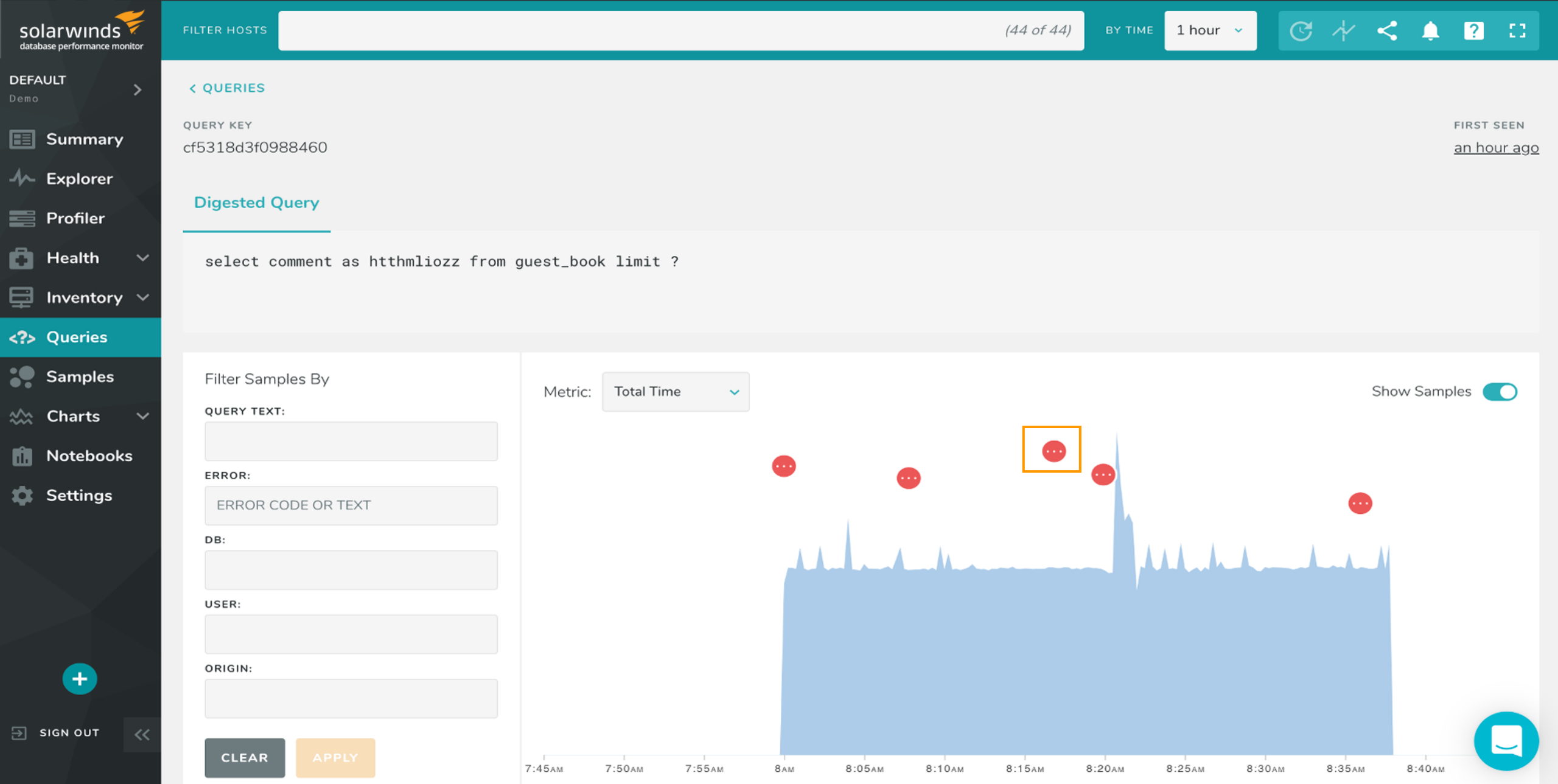
☐ Ignore time/hosts filters

APPLY

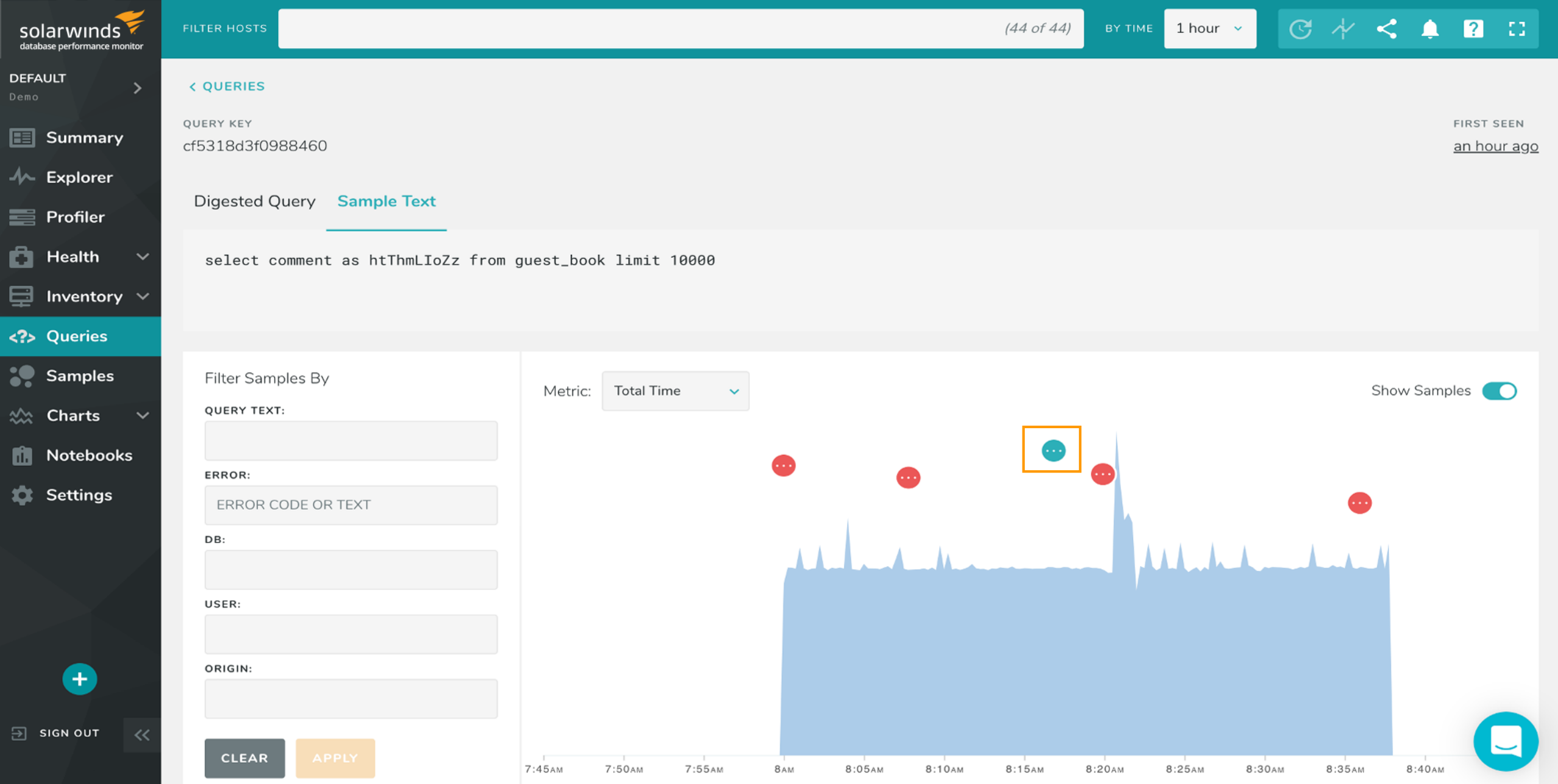
Queries [LEARN MORE >](#)

		Time		First Seen
	74		select * from guest_book order by time desc	 2 years ago
			explain (analyze ?, verbose ?, costs ?, buffers ?, timing ?, format json) select device_id, count(...	 a year ago
	4		select comment as hjwprobalo from guest_book limit ?	 2 hours ago
			select `count` as `history_list_length` from `information_schema`.`innodb_metrics` where na...	 5 months ago
			insert into `mysql`.`rds_heartbeat` (`id` , value) values (?) on duplicate key update value=?	 2 years ago
			select processlist_id, processlist_user, processlist_host, processlist_db, processlist_comman...	 2 years ago
			ping(\$readpreference:{mode:?})	 2 years ago
			select schema_name from information_schema.schemata where schema_name not in (?)	 2 years ago
			copy (select device_id, count(?) as count from events_? events where ? group by device_id) t...	 a year ago
			explain (verbose, format json) select device_id, count(?) from events group by device_id ord...	 2 year
			getcmdlineopts()	 2 years ago

Here is a list of every query group that **DPM** is currently monitoring. Let's focus exclusively on the queries that were deployed for the first time in the past hour since they're most likely to be involved in new performance issues. Click **New Queries Only** [orange box].



Digested Query shows us key metrics including Total Time, Arrival Rate and Average Latency. Here we can see if **Total Time** (blue chart) is meeting expectations. Next we can drill down into a **Sample** of this query in execution. Click on one of the **Sample** markers. [orange box].



The **Digested Query** view has now switched to **Sample Text**, which shows exactly what was executed, including the arguments that have been passed into the **Limit** condition. Click on the **Sample** again for even more details [orange box].

Host	api1
DB	demo
User	demo
Origin	127.0.0.1:50054
Start Time	8:16:51 AM Jun 20, 2019
Latency	1.21 ms
Connection ID	1180845
Failed Rules	<ul style="list-style-type: none">LIMIT without ORDER BY causes non-deterministic results, depending on the query execution plan.

Explain Plan

```
{
  "query_block": {
    "cost_info": {
      "query_cost": "102491.60"
    },
    "select_id": 1,
    "table": {
      "access_type": "ALL",
      "cost_info": {
        "data_read_per_join": "254M",
        "eval_cost": "100983.60",
        "prefix_cost": "102491.60",
        "read_cost": "1508.00"
      },
      "filtered": "100.00",
      "rows_examined_per_scan": 504918,
      "rows_produced_per_join": 504918,
      "table_name": "guest_book",
      "used_columns": [
        "comment"
      ]
    }
  },
  "ExplainType": "mysql/json/1",
  "ExplainWarnings": []
}
```

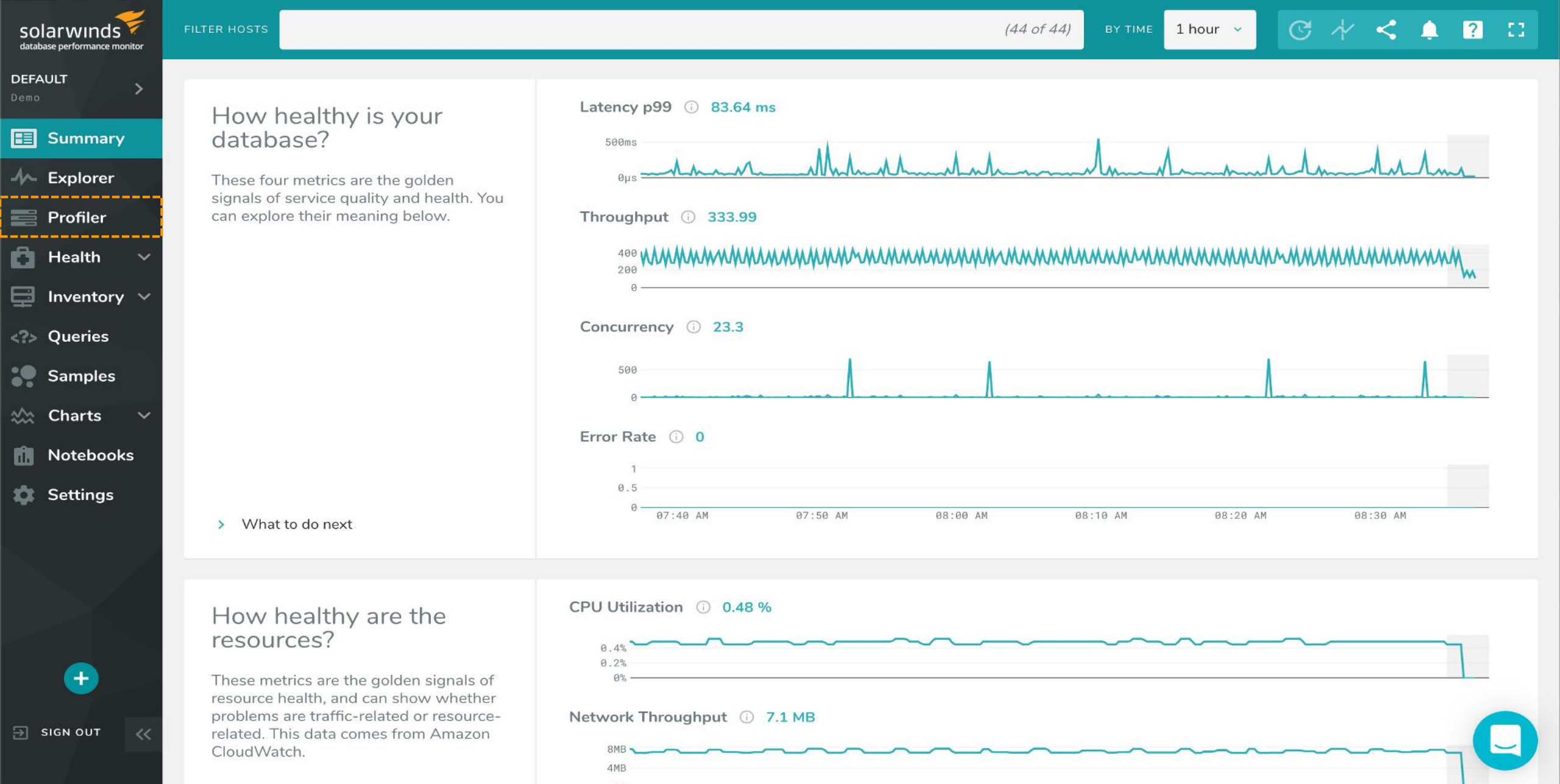
Performance

Average Latency	1.42 ms
-----------------	---------

Host Breakdown

1 Host

Filter Hosts



This was just one of many ways **DPM** can help you deploy code with confidence by quickly, easily measuring the impact of a new release on database workload and query response. To review, return to Profiler [orange box]. To exit, click NEXT [orange button].



START YOUR FREE TRIAL

SIGN UP NOW