

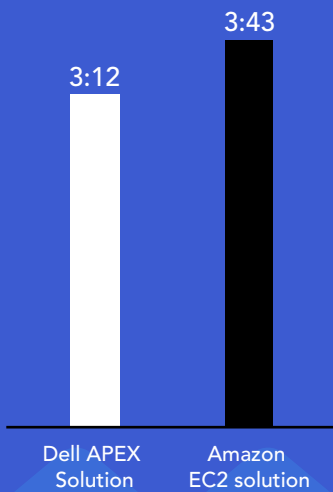
# A Dell APEX solution outperformed comparable Amazon EC2 instances on a decision support workload

A solution using Dell APEX Private Cloud and Dell APEX Data Storage Services Block generated data-driven insights earlier than Amazon EC2 c6i.16xlarge instances with Amazon Elastic Block Store (EBS) storage



## 13.6% less time to complete a set of decision support queries on a 4TB dataset

Time (h:mm) | Lower is better



Testing involved a decision support system (DSS) big data workload in two environments whose VMs had the same vCPU, memory, and storage drive capacity:

- An eight-node Hadoop cluster running on Dell APEX Private Cloud General Purpose instances
- An eight-node Hadoop cluster on Amazon EC2 c6i.16xlarge instances

Testing used Hadoop because it is a popular workload to facilitate DSS solutions. For complete configuration details, read the [complete report](#).

**The Dell APEX solution took 13.6 percent less time to complete the workload than the Amazon EC2 c6i.16xlarge solution.** Higher-performing systems provide insight faster, and dedicated systems can provide predictable performance and a consistent experience. We also investigated pricing and found that the Dell APEX solution offers a simplified approach.

## Read and write throughput

MB/s | Higher is better

■ Dell APEX Solution ■ Amazon EC2 solution

### 24.8% greater read throughput



### 19.2% greater write throughput



The Dell APEX solution also delivered greater read and write throughput while running the set of queries.

See configuration details and more at

<https://facts.pt/XJvpK9D>