CLOUD COMPUTING

TOP 5 MIGRATION CONSIDERATIONS

By Michael Cade, Global Technologist at Veeam

1 MITIGATE RISK

Reducing risk comes down to keeping the lights on and serving your customers, this encompasses the security and availability of your data. Making sure the right people have access and ensuring that, in a failure scenario, your availability strategy has you covered and you can recover as fast possible.
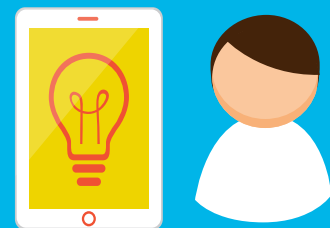
2 REDUCE COST

The most compelling factor for any change both in the enterprise is reducing cost. Not to be confused with cutting corners, which would impact the first point of reducing risk. This could be storage savings - as simple as switching to a subscription model over perpetual licensing.

3 AVAILABILITY

Availability in the public cloud is going to be slightly different from on-premises. To ensure data safety, integrity, consistency, and business continuity, you'll have to re-evaluate your data loss tolerance limits by setting acceptable RPO thresholds for backups and restores. You should select an appropriate disaster recovery (based on failover or fast backup/restore). A highly desirable feature is the ability to roll back a running system to a particular point in time. or building a secondary site - what are the efforts and cost?

5 SECURITY & RISK

Placing your data in the public cloud can be risky. You lose physical control, which is why the cloud infrastructure must be secured. Data inflight or at rest needs to be encrypted. Users' accounts need to be isolated from each other and cross-access must be closely controlled.

4 BETTER BUSINESS OUTCOMES

Cloud allows processes to be more agile, mitigate risks and decrease costs. An example could be data availability. Stage 1 is data back-up and recovery. Stage 2 is visibility - this could be on-premises virtualisation environments, physical workstations/servers, SaaS based workloads etc. Stage 3 is about leveraging the data and gaining insight/performance development stats or secure testing of that data in isolation from the production working set.