

# Moving to the CLOUD

## Key differences between cloud database and traditional database

**COSTS:** with cloud there are no hardware expenditures but compute and storage 'renting' fees. Also, in the cloud costs are flexible and can be adjusted over time

**MANAGEMENT:** in the cloud, it's the provider that's responsible for the underlying infrastructure, networks and security, patching and corruption management and prevention

**CONTROL:** traditional databases offer greater control over the whole stack and infrastructure

## Benefits of the CLOUD...



Automation of mundane tasks



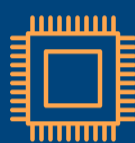
Highly durable & available



Cost efficient scalability



Easy storage expansion



Resilience of the hardware



Lower set-up costs



No management of infrastructure required

## ... and main disadvantages

Even the most modern cloud solutions are not immune from limitations



### ✘ Cost control

Costs are not always transparent and for multiple databases the budget commitment can spiral, especially over time

### ✘ Risk of Confidentiality/ Compliance

In the cloud, you need to be aware of compliance and where, geographically speaking, your data is stored

### ✘ Fully internet reliant

If anything happens, and a business loses its internet connection, it also loses access to its data

## Migration checklist

### 01. Compatibility

Check that all features being used for the migration are supported by the cloud databases

### 02. Power

Clarify what tier the cloud database should use

### 03. Performance and connectivity

Have apps being tested against the cloud database

### 04. Migration plan

Ensure any downtime is within business tolerances

### 05. Configuration

Ensure monitoring and alerting, as well as high availability and disaster recovery are configured

### 06. Costs

Clearly understand usage of data, reads and write, so the costs are defined and any growth can be accounted for

### 07. Access

Identify who requires access and the level of access required

### 08. Compliance

Require proof of Data Confidentiality Compliance

### 09. KPIs

Be confident about baseline performance

*Happy migration!*