# Compute and Database Services

**At Advanced we offer server, compute and database services across Windows, Linux and AIX operating system environments. Our services have configurations and features that are compatible with standard application and data deployments, as well as Independent Software Vendor (ISV) requirements. They are designed to address workloads from SME to multi-site, multi-application, high availability and very high performance workloads.**

## Advanced Compute Services

We offer a wide range of managed compute and operating system management services over dedicated Private Cloud infrastructure, virtualised Private Cloud infrastructure and Public Cloud.

## Dedicated and Bare Metal Compute

Dedicated and Bare Metal Compute is available in standalone, highly available and geographically dispersed configurations. It can be hosted in our Data Centres, defined Public Cloud or on your premises. Our configurations enable the deployment of an operating system to Bare Metal, or, if you prefer, as a completely private virtualised environment. We support current operating system variants, as well as previous versions up to the version before last.

## We support the following environments and configurations:

> Dedicated X86/64 and Power 7 and 8 Compute environments

> Virtualisation using VMWare ESX, XEN, HyperV and LPAR environments

> Windows Server, RHEL, CENTOS and AIX operating system environments

> Design and support models

> A range of high availability configurations supporting automatic, manual failover, local failover and distributed site failover

> Fully managed, and Platform as a Service (PaaS) model support

> Critical patch management

> Security and access control

FACT SHEET

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## Operating System Management in the Advanced Compute platform

At Advanced, we offer a scale up Compute environment. It is capable of supporting Windows Server, RHEL, and CENTOS operating system versions, including the previous version, and the one before that. The underlying infrastructure can be scaled up and scaled out, as you require, and is fully supported by us, using our Managed Service Model. The Operating System Management Model also offers highly available configurations, ranging from single site, to site redundancy.

### Features of our Operating System Management Model include:

> Windows, RHEL and CENTOS operating system support including troubleshooting

> Back-up and restoration

> Critical patching

> Operating system configuration, management and maintenance

> Security and access control

> A range of high availability options

## Patch Management

By default, we carry out critical patching as part of our operating system management. However, sometimes we consider the business risk to be too great to patch every time a new update is received from the vendor. Therefore, the Patch Management Service offers a scheduled patching service to meet your business operating model. In addition, our service offers troubleshooting and roll back for when the vendor patch disrupts the deployed application on the operating system.

## Advanced Database Services

Our Database Administration Services are for relational database management systems. Using experienced database administrator resources, we offer database management and support services over customer estate, Advanced Private Cloud and Public Clouds. The team acts as a resource for your database environment to provide a reliable service available every day of the year.

The relational databases currently supported by our services are MS SQL Server from Microsoft, Oracle from Oracle Corporation, and DB2 LUW from IBM.

> Database software installation

> Database back-up and recovery

> Incident, service request and change management

> Database monitoring

> Database storage management

> Database assessments and health checks

> Database upgrade and patching

> Database lifecycle management solutions

## More information

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