

Server Virtualisation Services from Intercept

If only there was a single way to reduce operational IT costs, lower environmental impact, improve technical resilience and make it easier to grow your business? Well, there is – it’s server virtualisation, and working with Intercept it couldn’t be easier.

Leaders in our field

Server virtualisation is one of the most talked about technologies amongst IT Managers today. Where physical servers often only operate at about 12% of their total capacity, virtualised servers typically work at around 80% utilisation – and use just a tenth of the amount of hardware.

At Intercept, we’ve been providing server virtualisation solutions since 2002. Our technical consultants are highly-skilled, as well as being fully certified and accredited by our vendors. But not only that, they are also familiar with the surrounding technologies which are affected by server virtualisation projects. This enables them to consider the “bigger picture” and to ensure that any work carried out is fully integrated with the overall infrastructure.

It is this thorough technology-based approach which Intercept has successfully used in countless customer environments over the years, and this makes us one of the clear leaders in our field.

Clear benefits

Financial and environmental

Some of the benefits of server virtualisation are easy to appreciate. By reducing the number of physical servers that are deployed, this immediately uses less power, emits less heat and requires less data-centre space. These benefits are the simplest to identify, however there are many others. For example, by reducing the amount of hardware required, ongoing support and maintenance costs are significantly reduced, both internally and externally.

Maximum resiliency

Virtualised servers immediately become highly-available as they are linked together to function as a single entity. So, as a particular application or operating system is no longer dependent upon a specific piece of hardware, if one server fails, another simply takes over, with no downtime whatsoever. There is also the option to automatically redistribute server resources at busy times, such as end-of-month, when certain applications require extra capacity.

Structured upgrade process

When planning upgrades or implementing new software packages, these can be installed and run as a separate version in order to allow them to be fully tested. If any issues do arise it is a simple process to roll back to the original configuration, which still remains installed. Then once everything has been fully tested, the original version can simply be removed. In a non-virtualised environment this would be impossible without investing in additional hardware specifically for the back-up process.

Key facts:

- › 3,000 servers virtualised by Intercept
- › £7M saved in hardware costs for clients*
- › £1M saved in annual energy costs for clients*
- › 60,000 trees planted – equivalent CO₂ saving*, or
- › 4,500 cars taken off the road – equivalent CO₂ saving*

*Savings calculated using VMware Green Calculator
<http://www.vmware.com/solutions/green/calculator.html>

The right solution to meet our clients’ needs

Intercept can provide the right virtualisation expertise, whatever the situation. For example, this could be:

- › Virtualising an entire data centre as a single project.
- › Opting for a more gradual transition process by consolidating a specific bank of servers which would otherwise be due for replacement.
- › Virtualising the environment as a green field site, where a new infrastructure or data centre is being developed.

A sophisticated virtualisation methodology

Intercept has developed a proven methodology to ensure that projects run smoothly and that the end result is absolutely right for each individual organisation. This can be broken down into the following areas:

Assessment – this looks at the feasibility of the project, carrying out interviews with key stakeholders to fully understand the needs of the organisation and the main business drivers. The available budget is also considered and aligned with what the business hopes to achieve, taking the wider strategic business plan into account.

Project plan – from the assessment, a project plan is developed, which works within the allotted budget and which scopes out the entire project, to ensure that deadlines will be met and that the ultimate goals are reached.

Proof of concept – A thorough testing process is undertaken in order to demonstrate that the planned approach will achieve the desired results within each specific environment, and Intercept will not proceed further until the client is 100% confident in the outcome.

Implementation – The virtualisation process is completed using proven algorithms and many years of experience, supported by a range of tried and tested third party tools.

Handover – In this final stage the customer signs-off the project including their understanding of all operational procedures which are required to maintain a healthy virtualised environment. We can enable clients to fully self-manage their solution by transferring skills to the in-house IT team. Intercept's managed services can then offer support or can be used to outsource the day-to-day management of the new environment.

“Intercept provided us with a green IT solution that helped reduce our data centre power consumption by over 35%. It was amazing to see how attentive they were to our needs” Julian Proudfoot, Account Manager, Consulting at Amey

About Intercept

Based in the City of London, Intercept focuses on helping companies of all sizes reap the rewards of virtualised IT and unified communications. We collaborate with our clients to reduce costs, improve user experience and increase business agility.

We have years of real world experience designing innovative solutions that are carefully crafted to fit your needs, and delivered with exceptional tailored support. Intercept has virtualised over 3,000 servers, over 100,000 desktops and more than 2,000 different applications in 30 languages, realising millions of pounds worth of savings to our customers. What's more, some 60,000 users rely upon our managed and online services.

As specialists in delivering virtual IT infrastructure, our people are different. Using the most resilient, scalable and high-performing technology available today, our solutions empower you to get the very most out of your IT investment.

If you're looking to achieve real business benefits from the best server virtualisation solutions available, simply call our sales team on **020 7743 0100**, email **sales@intercept-it.com** or visit **www.intercept-it.com**