



## SERVIA CLOUD DATA CENTRE SOLUTIONS

Infrastructure as a Service, Virtual Disaster Recovery, Off-site Backup and Desktop as a Service

# PROTECTING YOUR CRITICAL DATA AND APPLICATIONS

Data is now at the core of every business, its secure storage and easy access is vital to success. But, the cost of providing such storage and ensuring data is not only protected but also meets regulatory requirements is increasing.

Many organisations do not want the complexity and costs of building their own data centre but do desire the protection this would give their mission-critical data and applications.

To address this need Nviron has made a significant investment in state-of-the-art data centres in Manchester. This enables Nviron to offer a cost-effective solution to providing data centre services for organisations that traditionally would not be able to justify them in-house.

## SERVIA CLOUD DATA CENTRE SERVICES

The Servia Cloud data centre services have been designed to support data security and availability. They enable:

- High availability of databases, Web sites and applications
- The fast recovery of business-critical data and applications following a disaster
- A cost-effective solution for dual data centre working

All the above enable organisations to manage their IT infrastructure and cope with unplanned events with the minimum amount of disruption and low costs.

This brochure outlines the Servia Cloud data centre services that Nviron offer:

- **Infrastructure as a Service** - cost-effective alternative to hardware and software purchase
- **Virtual Disaster recovery** - complete protection from a single server through to an entire network
- **Offsite backups** - protecting critical data
- **Desktop as a Service** - cost effective alternative to owning and managing your own desktop

# SERVIA CLOUD INFRASTRUCTURE AS A SERVICE

In the current economic climate every organisation is looking at ways of reducing costs, and IT spend is not exempt from this. But how can you reduce IT costs without damaging the competitiveness of your business?

There is no value in owning hardware and software. These assets do not appreciate in value and need to be maintained and updated regularly - all of which can be a significant cost.

So why own it?

The answer to the two questions can be found by having your hardware and software hosted. While traditional hosting solutions can be inflexible, virtual hosting can overcome these problems as well as offering increased flexibility and the scalability to cope with changing business and market requirements.

## ONLY PAY FOR WHAT YOU USE

The Servia Cloud Infrastructure as a Service provides a cost-effective annuity model alternative to purchasing hardware and software outright. It is based on hosted servers that utilise market-leading virtualisation software to deliver a flexible and scalable solution to your computing needs.

Software can be provided via the Microsoft Service Provider Licence Agreement (SPLA). This covers everything from server and desktop operating systems, through Web site and database provision and even office productivity tools like Microsoft Office.

The Servia Cloud Infrastructure as a Service ensures you only pay for what you use. It delivers a cost-effective and scalable method of providing IT infrastructure to any size of organisation.



# SERVIA CLOUD VIRTUAL DISASTER RECOVERY (VDR)

In today's business environment, having robust Disaster Recovery (DR) is no longer a luxury, it is a necessity. With the high probability and variety of events that can cause outages - both man-made and natural - a disruption to business systems is not a question of if, but when. DR needs to be at the core of every organisation's IT strategy.

Organisations often struggle to protect their IT infrastructure due to a lack of pragmatic, cost-effective and reliable DR solutions. While the need for protecting IT resources from disasters is a business imperative, business owners are faced with many obstacles when developing a traditional DR plan. This is where off-site DR can provide an answer.

## SECURE AND RELIABLE SOLUTION

The Servia Cloud VDR Service is designed to remove the problems normally associated with providing a secure and reliable DR standby service for your data and software. It covers:

- Replication of data and applications to the Servia Cloud DR environment from your live environment
- Access to standby virtual servers for planned recovery trials
- Access to live virtual servers and technical support for live DR invocations

Nviron can provide solutions with Recovery Time Objectives (RTO) and Recovery Point Objectives (RPO) ranging from 30 minutes to 48 hours - ensuring downtime and lost productivity are kept to a minimum.

The Servia Cloud VDR service supports native SAN replication and Servia Cloud off site backup service to provide a complete data protection solution.



# SERVIA CLOUD OFFSITE BACKUP SERVICES

Have you ever stopped to consider what would happen to your business if you lost critical data files? Even the smallest unplanned event, such as a virus outbreak could have catastrophic consequences.

To ensure this does not happen, every organisation should have in place a backup strategy that ensures key data is regularly and securely backed up. Many businesses opt for a solution that backs up to tape, but there are inherent problems with this type of approach.

## FULLY HOSTED AND HYBRID SOLUTIONS

Nvion offers two types of offsite backup to meet the needs of different organisations running Microsoft servers:

**Servia Cloud Backup Standard** - designed for small and medium businesses. Specialist backup agent software is installed on each server which communicates securely to an offsite data store. Compression technology coupled with incremental delta change techniques allow nightly backups to be carried out over the Internet removing the need for tape. Added security is provided by storing backup data across two data centres. A minimum thirty day retention period coupled with one monthly roll up allows multiple recovery points.

**Servia Cloud Backup Enterprise** - designed for larger organisations that require a traditional backup server with local recovery capability augmented by disc based off-site data replication to a cloud based service removing the need for expensive to manage magnetic tapes. Servia Cloud Backup Enterprise is based on EMC Atmos cloud technology hosted in two remote data centres coupled with the Riverbed Whitewater de-dupe edge virtual appliance to reduce both bandwidth and storage requirements and provide a fast local recovery point for recent backups.

Both Backup Standard and Enterprise provide encryption of data ensuring privacy of all data stored in the Cloud and have the option of a fully managed "back up and running" recovery service from Nvion.

# SERVIA CLOUD - DESKTOP AS A SERVICE

Managing applications and keeping software supported and updated takes much time and energy that could be better spent focusing on your business. Running applications locally can also limit your access, potentially only allowing you to work from your office. It can also impede your ability to share documents with your staff.

With the developments of cloud computing it is now possible to outsource your desktop to the cloud and access it from any device on the Internet. Therefore providing you with access to your applications and files at any time, from any device, and any location. This solution enables businesses to benefit from more flexibility, allowing them to work smarter and gain a competitive advantage.

Using established application delivery software, all Windows applications can be delivered to you via a browser or full desktop client with the same functionality and look and feel as your current desktop, without the support headache.

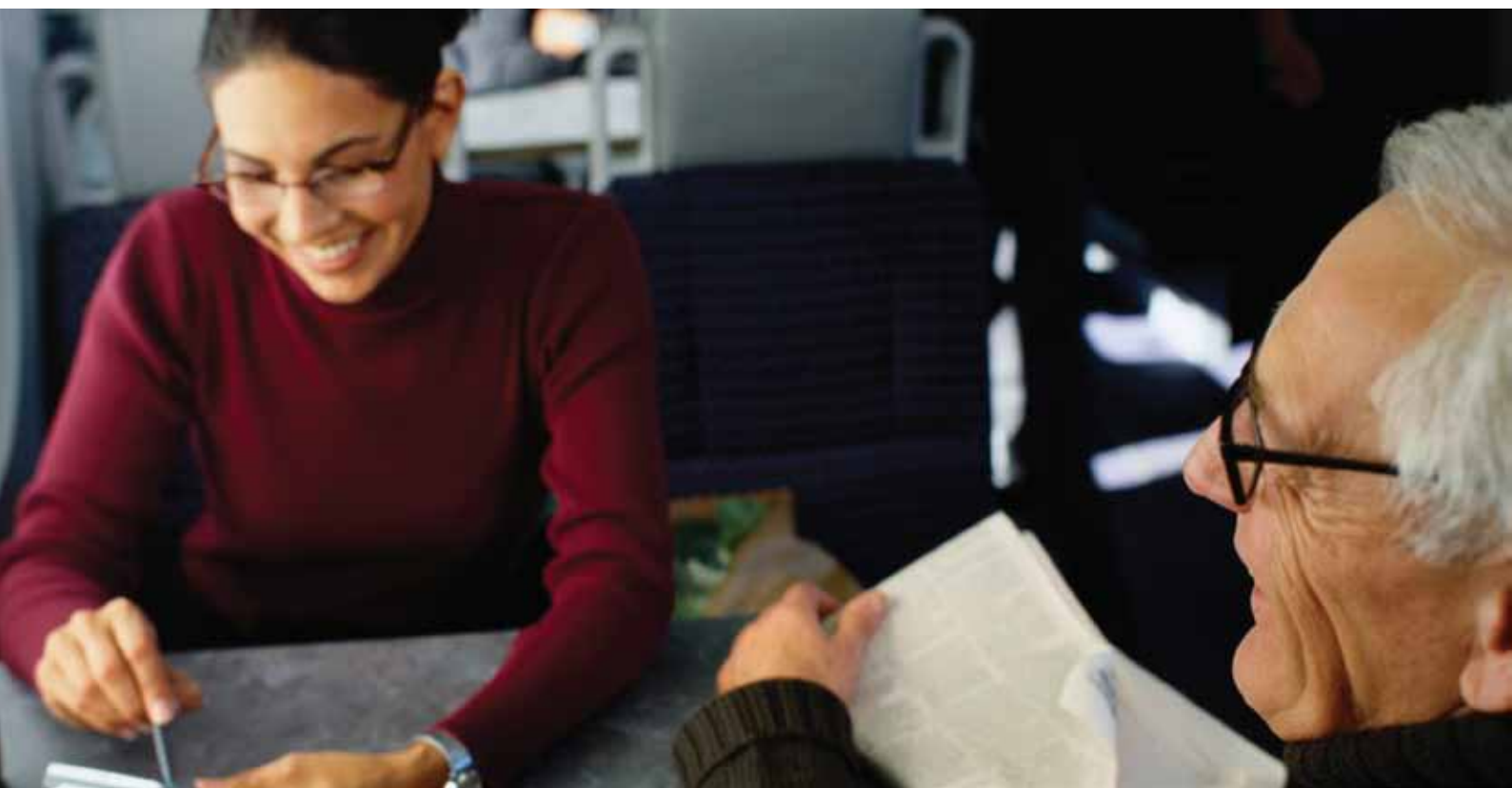
Application as a Service provides business with the following benefits:

- Removes time wasted on desktop support
- Flexible access
- Extends your desktops lifecycle
- Enables you to use low cost web books and thin clients

## THE NVIRON SOLUTION

As a Microsoft Gold Partner and a Citrix certified partner Nviron is able to offer an affordable and effective desktop as a service solutions using:

- Microsoft RDS - The latest version of Microsoft's Terminal Services provides secure browser based access to remote desktops
- Citrix XenApp - Provides additional functionality in key areas such as multi media to improve the user experience. Nviron is an authorised CSP partner and can offer the Citrix benefits on a flexible monthly package
- IGEL thin clients - Cut costs even further by using IGEL thin clients to reduce electricity usage and CO2
- Dell desktops and notebooks - Benefit from flexible mobile to your desktops from cost effective Dell clients
- Apple iPhone, iMac and iPad integration using the Citrix XenApp Apple client



# NVIRON DATA CENTRE DETAILS

Nviron has invested significant funds in developing our data centres. Our managed hosting facility is built on co-located rack space in one of Manchester's newest and largest data centres. By utilising the latest Dell Blade 1000e modular system with enterprise class Dell EqualLogic storage, we can deliver flexible and resilient hosting solutions that can meet any specific customer requirements.

The data centre hosting network is constantly monitored and the environment is controlled using a state-of-the-art digital system. In addition, all our services are fully monitored from the Nviron Managed Support Centre using Microsoft System Center Operations Manager agents ensuring that issues impacting service are quickly identified and resolved by Nviron's highly skilled technical team.

## FEATURES

The primary data centre environmental specification is as follows:

- Mains power backed by MGE Galaxy UPSs and Caterpillar generator
- Ultra efficient STULZ Precision Cooling systems
- VESDA smoke detection & Argonite fire suppression
- Manned security on-site & CCTV surveillance throughout
- 480mm raised floor
- Power is by direct 11,000V client
- Dual redundant fiber ring connecting to IFL2
- Excellent connectivity with other data centres in Manchester and London
- The network has the coveted ISO27001 accreditation as well as a 24/7 manned NOC
- Guaranteed bandwidth from 1Mbps to 10Gbps

## RELIABLE AND CONTINUOUS ACCESS GUARANTEED

To ensure continuous access to hosted services, Nviron offers a multilink VPN facility which allows client premises to be connected via any ISP link type including leased lines, wireless and xDSL. Multiple feeds coupled with clustered firewalls ensure that the data centre is always visible via the Internet. Mobile users can be serviced by dedicated client VPN software or SSL protected terminal services.

In the event of a physical data centre disaster Nviron's standard contract provides for replacement of the equipment, rebuild of services and recovery of data from Nviron's remote offsite backup data stores.

Nviron can offer enhanced contracts based on dual data centre hosting for organisations that require this level of protection.

## CONTACT DETAILS

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## HOW TO FIND US

From M56, leave Motorway at Junction 11, take the exit signposted A56 Preston Brook.

Follow this road for roughly 1 mile, go straight over the roundabout in front of the O2 building.

About 400 metres after this roundabout, there are a small number of office buildings on the right.

Nviron Limited is the last of the brick built offices, immediately before a white building.



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