Connectivity

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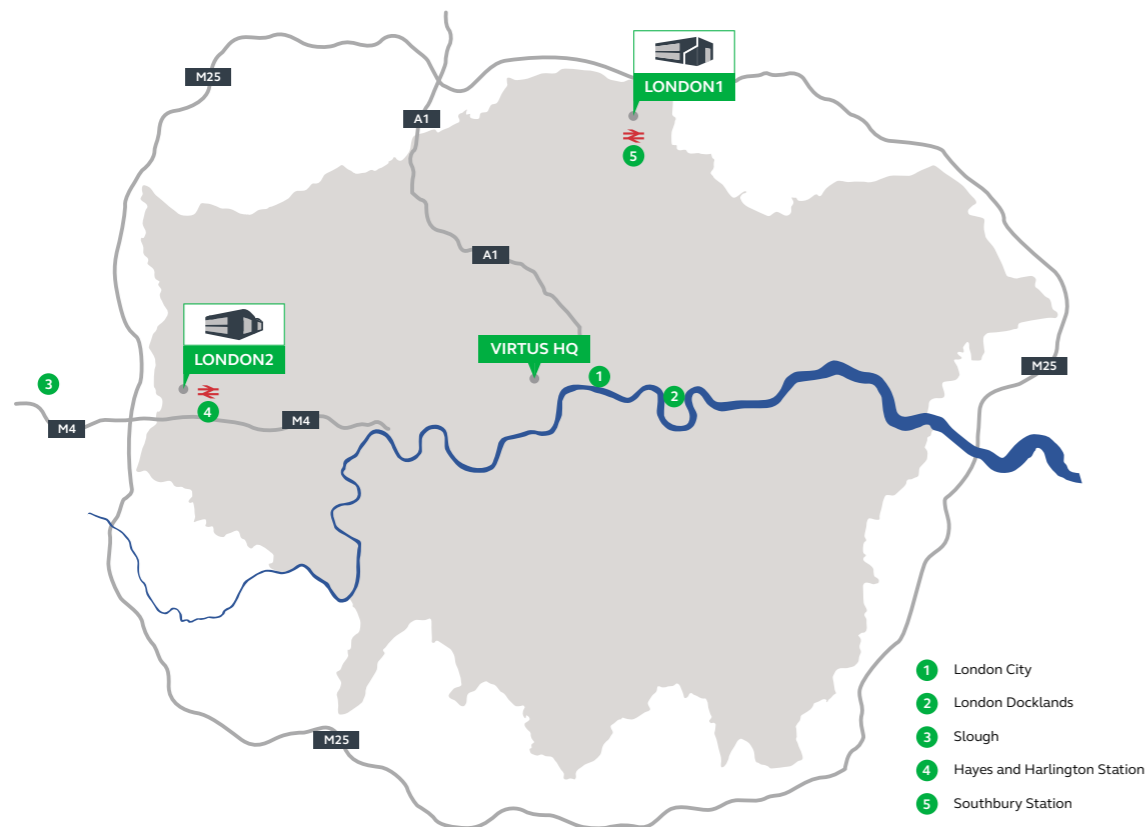
VIRTUS
Data Centres

Connectivity has become a deciding factor for customers looking for colocation and this has, in turn, required that providers ensure that they can meet customer needs with as many connected locations as possible. By investing in diverse fiber duct infrastructure, VIRTUS has enabled service providers to easily interconnect to VIRTUS' data centers and pull fiber through from existing routes, minimising additional construction works needed. Resilient and diverse 'meet me rooms' provide space in the data centres where telecommunications companies can physically connect to one another, exchange traffic and easily offer services to VIRTUS' customer base and ensure customers have the widest choice of connectivity.

Locations

VIRTUS' data centres are all located within London's 'Goldilocks Zone'. Close enough to both London and other data centre ecosystems to allow for mission critical data replication services, but far enough from both to satisfy physical disaster recovery requirements. All the data centres are located within the M25, in London's Zone 5, providing easy access, unparalleled connectivity and low, submillisecond latency to major Points of Presence (PoPs). With an extensive portfolio of national and international providers and services, VIRTUS' customers have access to a wide range of connectivity solutions to meet their business requirements.

Benefits

› Global Reach

› High Capacity interconnects to over 250 other data centres

› Fibre (Dark and Grey), Wavelength, Ethernet, MPLS/VPLS and IP services

› Interconnection with all major global internet exchanges

› Low latency, resilient, high bandwidth connectivity options on multiple fibre paths

› Rack bundled connectivity solutions

› VIRTUS' data centres are well connected to the top Tier 1 and Tier 2 carriers and networks worldwide

› Public and Private Cloud solutions with direct access to Amazon Web Services and Microsoft Azure

1	London City
2	London Docklands
3	Slough
4	Hayes and Harlington Station
5	Southbury Station

VIRTUS Connectivity Solutions

In addition to having a rich ecosystem of third party service provider products, VIRTUS also offer a number of connectivity solutions directly.

Cross Connect

Allows customers to access services within the data centre utilising either copper or fibre cabling with a range of connector types to suit all applications. Cross Connects can be ordered easily through the VIRTUS service desk and are provisioned quickly with visibility of delivery available throughout the process.

Interconnect and Metro Connect

Allows customers to connect their applications within a VIRTUS data centre to other services that may reside in their other corporate buildings or with other third party data centres. Customers have the choice to design and create interconnections based on specific needs or can take advantage of the fact that VIRTUS' data centres are already interconnected within many service providers own metro connected portfolios providing near instant, scalable high bandwidth. These pre-connected solutions also come with the benefit of fast provisioning times and large scale pricing advantages for Fibre, Wavelengths and Ethernet services. For the latest info go to marketplace (http://virtusdatacentres.com/services/portals/marketplace/).

Transit

Gives customers direct IP access available from 10mb to 100Gb and is available on a best value 'Enterprise' basis or as an 'On-Demand' service where commitment is variable.

CoLo-Connect

VIRTUS CoLo-Connect offers an all-inclusive package to meet your colocation and IP connectivity requirements. The solution is ideal for customers that have a requirement for a small number of racks to be deployed in a shared hall environment and require a fully inclusive price for space, power and IP connectivity.

CoLo-Collect & Connect

VIRTUS CoLo-Collect & Connect offers a migration colocation solution to meet your growing requirements. If customers have a small migration requirement for existing IT equipment already deployed, then the CoLo-Collect & Connect solution may be of benefit. VIRTUS will enter the customer's premises, safely and securely collect their IT equipment, transport it to a VIRTUS data centre and install/connect within a shared data hall, ready for the customer to go live. In many cases this can be completed over the weekend to minimise the amount of IT capability downtime – all with a simple and inclusive contract.

Cloud Connect

The VIRTUS Cloud Connect is part of the VIRTUS Market Place. Cloud Connect is a huge ecosystem of both private and public clouds, offering comprehensive global cloud connectivity (http://virtusdatacentres.com/services/portals/marketplace/cloud-connect/).

Peering

VIRTUS' customers benefit from being able to connect with The London Internet Exchange (LINX). This gives customers the benefit of reduced latency, increased resilience, improved transit performance and routing control as well as increased capacity and redundancy at lower cost. LINX is a mutually owned membership association for operators of Internet Protocol networks. They provide a neutral interconnection facility and peering platform, known as an Internet Exchange Point (IXP).

› Over 580 members

› Over 2.3 Tb/sec of peak traffic

› In 63 countries

As a result of the partnership, VIRTUS has become an official LINX Virtual PoP (vPoP). A LINX vPoP is a data centre located anywhere in the world that has a direct route back to a main LINX PoP and any LINX operated Internet Exchange Point. VIRTUS' customers will benefit from being able to connect with other LINX members and exchange low cost internet traffic without the need to have equipment at a main LINX PoP. VIRTUS Data Centre customers, who already have access to VIRTUS' broad ecosystem of network and cloud service providers, will now have the opportunity to peer with over 580 LINX members from over 63 countries worldwide.

Service Provider options and Market Place

Service providers offer a wide range of connectivity solutions for customers to take advantage of and are summarised below

- ❯ Dark Fibre
- ❯ Grey Fibre/Spectrum
- ❯ Connectivity Wavelengths 1Gb/10Gb/40Gb/100Gb
- ❯ Ethernet from 10mbps plus (Point to Point or Point to Multi Point)
- ❯ IP Transit from 10mbps plus
- ❯ IP VPN
- ❯ DDos protection
- ❯ CDN
- ❯ Caching Services
- ❯ NaaS
- ❯ VOIP
- ❯ Access to Public Cloud (AWS/MS Azure)
- ❯ Access to LINX London Internet Exchange
- ❯ Access to all major internet exchanges

To discover the latest information on which service providers are available from VIRTUS, please visit the VIRTUS Market Place (http://virtusdatacentres.com/services/portals/marketplace/).

The VIRTUS Advantage

All of our colocation options benefit from the following standard features:

- ❯ Tier III
- ❯ Lowest total cost of service in London
- ❯ 24/7/365 onsite security and customers support
- ❯ Access controlled Entry/Egress and CCTV
- ❯ Power delivered via shared iPDU's configured 2N
- ❯ Cooling delivered via shared cooling units configured N+1
- ❯ Power SLA delivered on rack (plug-set) level
- ❯ Multi-point VESDA Fire Detection system
- ❯ Marioff 'Hi-Fog' Fire Suppression system
- ❯ Building Management and Power Monitoring Systems
- ❯ Access to the VIRTUS Intelligent Portal (VIP) with full DCIM capability. The VIP is a web tool which offers customers the same level of control over their data centre deployment as if it was their own data centre
- ❯ The VIRTUS Market Place provides customers with an easy way to find, discover and connect to the VIRTUS ecosystem of best-of-breed partners and suppliers
- ❯ Internet Peering with the London Internet Exchange (LINX)
- ❯ Full range of interconnect options
  - › Dark fibre
  - › Ethernet
  - › IP
- ❯ Public and Private Cloud solutions
  - › Direct access to Amazon Web Services and Microsoft Azure

About VIRTUS

VIRTUS owns, designs, builds and operates a new generation of agile, connected, efficient data centres around the heart of London's cloud and digital content economy. Located within London's metro, VIRTUS offers the best of traditional retail colocation including limitless connectivity, dedicated support and complementary ecosystems, combined with the low cost, scalability and custom solutions of the wholesale model, in uniquely flexible and customer friendly packages.

For more information please go to: www.virtusdatacentres.com or contact us on twitter: @virtusdcs

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