

# Cloud networking security

with IBM Cloud Managed Services

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IBM Cloud

# IBM Cloud Managed Services can provide the global, redundant and highly secure cloud networking environment your business needs

## WAN access

The IBM Cloud Managed Services® wide area network (WAN) infrastructure is a proven, enterprise-class network architecture, built using carrier-grade routers, switches and management foundation. You can choose one or more WAN connectivity options to bring the cloud environment into your enterprise network.

- **Internet:** Internet access is available through virtual servers via a shared public internet connection, offering control and flexibility regarding routing rules and access
- **VPN:** Secure access is available through an IPsec-based virtual private network (VPN) over the internet from enterprise network locations, remote offices and trusted partners (up to 40 network endpoints or tunnels)

- **AT&T NetBond:** Existing AT&T customers can extend their network to include Cloud Managed Services data centers using AT&T's patented IRSCP (Intelligent Routing Service Control Point) technology for a highly secure and exceptional network performance experience—IBM® Cloud Managed Services becomes another “node” in your network
- **Direct Connect:** A dedicated private connection can be used to access Cloud Managed Services data. Using your preferred carrier, you can connect from your enterprise network all the way to a Cloud Managed Services data center

## The LAN

The IBM Cloud Managed Services local area network (LAN) is a redundant, 10 gigabit Ethernet network providing robust connectivity to and between your cloud-based servers. Features and options of the Cloud Managed Services LAN.

- Virtual server isolation through the use of security zones
- Each virtual server has three virtual network interface cards to isolate client network traffic from administrative traffic and installation, backup and restore traffic
- Load balancing as a service provides highly available, hardware-based capabilities supporting up to 75,000 concurrent connections, stateful failover, persistence and Secure Sockets Layer (SSL) offload

- A virtual firewall option to manage not only external access to your cloud-based resources but also security-zone-to-security-zone traffic flow

### Hybrid networks

IBM SoftLayer® Interconnect (SLI) service provides high-speed links between IBM Cloud Managed Services and IBM SoftLayer for a near seamless and highly functional enterprise hybrid cloud.

- SLI connectivity is provided between Cloud Managed Services data centers and IBM SoftLayer's points-of-presence (PoP) providing access to all SoftLayer data centers
- End-to-end connectivity from your compute environment to a SoftLayer-hosted compute environment across private, high-speed network circuits to IBM Cloud Managed Services data centers

- Hybrid workloads can be created between IBM Cloud Managed Services and IBM SoftLayer
- Existing IBM Cloud Managed Services clients can connect to IBM SoftLayer using a SLI logical connection service using 802.1q vLAN tagging.

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*Build your networking environment from a combination of WAN access, LAN Ethernet connections and hybrid networks to boost security, redundancy and global access*

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## Learn more

For more information about what IBM Cloud Managed Services solutions can do for your business, contact your IBM representative or IBM Business Partner. If you don't have a representative or Business Partner, you can click on the "Talk to an expert" link on our website.

To view case studies and videos, download PDFs on additional topics and see what's new at a glance, be sure to visit the Cloud Managed Services website at

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