

# Bluelock | Enterprise Datacenter Connectivity

## SUMMARY

Bluelock's cloud infrastructure is designed to be a secure multi-tenant environment offering enterprise-level network connectivity. Clients can connect to Bluelock's network using MPLS circuits or point-to-point integration. Bluelock Clients are able to manage their network options using self-service through VMware vCloud® Director or by engaging Bluelock Managed Services. You can bring in MPLS, WAN or Point-to-Point connections/circuits.

## INTERNAL NETWORK ACCESS

### **Connecting Private Networks to the Cloud**

Bluelock engineers can assist in the integration of Wide Area Networks (WAN), either MPLS circuits or Point-to-Point, by working with your staff and communication service providers to ensure bandwidth availability and fault tolerance. We can securely connect those circuits to your cloud infrastructure.

### **Connecting Colocation to the Cloud**

Bluelock will securely connect your Bluelock colocation infrastructure to your Bluelock Virtual Datacenter(s) with high-speed ethernet connection (10, 100, 1G, 10G speeds). Bluelock clients are able to integrate their own physical hardware such as security appliances, load balancers and other devices in their colocation to their cloud environment. Most clients opt for our virtual F5 Load Balancers and virtual Check Point® or VMware vShield™ Edge firewall solutions.

## PUBLIC INTERNET

### **Multiple Redundant Providers**

Bluelock offers multiple internet providers, each using dual path entrance to the datacenters. Running BGP4 (border gateway protocol) full tables for each provider ensures proper redundancy and the ability to reroute traffic in case of a performance issue.

### **Redundant Network Power**

Bluelock also offers fully redundant A/B side power for our network equipment.

### **Client Connections**

Bluelock clients can have port speed connections ranging between 1Mb/second to 1Gb/second with commit rates anywhere in between. Typical cap levels are 10Mb/second above the committed rate.

### **Internet Billing**

Bluelock uses a five minute sampling and 95% (95th percentile) utilization to calculate a client's monthly usage. This allows usage to exceed your committed threshold for brief periods of time without the financial penalty of purchasing a higher commit rate.

## NETWORK FEATURES:

- *Multi-Tenancy*
- *WAN, MPLS & Point-to-Point Integration*
- *Self-Service*
- *DHCP Services*
- *NAT Services*
- *VLAN Management*
- *IP Address Management*
- *Routing*
- *DNS Management*

## IP SPACE

### **IP Address Allocation**

For a small fee, Bluelock provides public IP addresses in blocks based on your requirements. Bluelock infrastructure is designed to support IPv6. We have already been assigned our IPv6 allocation.

### **IP Address Management**

Clients can use VMware vCloud Director to assign IP addresses to specific servers in their Bluelock Virtual Datacenter(s).

### **Public vs. Private IP Address Space**

While clients are allocated public IP addresses, they may use any private IP address space they wish because each client VDC environment is separate from other clients. This ensures that your private network won't be affected or interfere with other Bluelock clients.

## INTERNAL NETWORK MANAGEMENT SERVICES

### **VMware vCloud Director Self-Service**

Using VMware vCloud Director and vShield™ Edge technology, clients can manage their own DHCP, NAT and firewall services.

### **Bluelock Managed Services for Networking**

Bluelock Client Support provides VLAN management, IP address management and allocation, routing and DNS management.

