

Multi-Cloud Networking Sizing

F5 Distributed Cloud Network Connect provides secure, encrypted connectivity between public clouds, on-premises data centers, and edge sites with centralized management and observability.

Multi-Cloud Networking Requirements

- ☒ Yes - Connect multiple cloud environments
- ☒ Yes - Connect cloud to on-premises
- ☒ Yes - Connect distributed edge sites

Current Multi-Cloud Challenges

What networking challenges are you experiencing?

- ☒ Complex cloud-specific networking configurations
 - ☒ Inconsistent security policies across clouds
 - ☒ Limited visibility across environments
 - ☒ High latency between sites
 - ☒ Difficult troubleshooting
 - ☒ Manual configuration overhead
 - ☒ Other: ____
-

Site Inventory

Cloud Environments

What cloud environments need connectivity?

CLOUD PROVIDER	REGIONS	VPCS/VNETS	WORKLOADS
AWS	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>
Azure	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>
Google Cloud	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>
Other: <input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>

On-Premises Data Centers

DATA CENTER LOCATION	NETWORK CONNECTIVITY	WORKLOADS
<input type="text" value="Enter value"/>	<input type="checkbox"/> Internet <input type="checkbox"/> MPLS <input type="checkbox"/> Direct Connect	<input type="text" value="Enter value"/>
<input type="text" value="Enter value"/>	<input type="checkbox"/> Internet <input type="checkbox"/> MPLS <input type="checkbox"/> Direct Connect	<input type="text" value="Enter value"/>
<input type="text" value="Enter value"/>	<input type="checkbox"/> Internet <input type="checkbox"/> MPLS <input type="checkbox"/> Direct Connect	<input type="text" value="Enter value"/>

Edge/Branch Sites

SITE TYPE	COUNT	CONNECTIVITY
Branch offices	<div>Enter value</div>	<input type="checkbox"/> Internet <input type="checkbox"/> MPLS
Retail locations	<div>Enter value</div>	<input type="checkbox"/> Internet <input type="checkbox"/> MPLS
Manufacturing sites	<div>Enter value</div>	<input type="checkbox"/> Internet <input type="checkbox"/> MPLS
Remote workers	<div>Enter value</div>	<input type="checkbox"/> Internet <input type="checkbox"/> VPN
Other: <div>Enter value</div>	<div>Enter value</div>	<div>Enter value</div>

Total sites to connect: ____

Connectivity Requirements

Site-to-Site Connectivity

What site-to-site connectivity patterns do you need?

- ☒ **Full Mesh** - Every site connects to every other site
- ☒ **Hub and Spoke** - Sites connect through central hubs
- ☒ **Partial Mesh** - Specific site-to-site connections

Diagram your connectivity requirements:

[Draw or describe your target topology]



Traffic Patterns

What traffic flows between sites?

SOURCE	DESTINATION	TRAFFIC TYPE	BANDWIDTH
<div>Enter value</div>	<div>Enter value</div>	<div>Enter value</div>	<div>Enter value</div> <div>Mbps</div>
<div>Enter value</div>	<div>Enter value</div>	<div>Enter value</div>	<div>Enter value</div> <div>Mbps</div>
<div>Enter value</div>	<div>Enter value</div>	<div>Enter value</div>	<div>Enter value</div> <div>Mbps</div>
<div>Enter value</div>	<div>Enter value</div>	<div>Enter value</div>	<div>Enter value</div> <div>Mbps</div>

Bandwidth Requirements

METRIC	VALUE
Total inter-site bandwidth	<div>Enter value</div> Mbps
Peak inter-site bandwidth	<div>Enter value</div> Mbps
Average latency requirement	< <div>Enter value</div> ms

Customer Edge Deployment

CE Site Deployment

Where will F5 Customer Edge (CE) nodes be deployed?

SITE	DEPLOYMENT TYPE	NODE COUNT	SIZE
<input type="text" value="Enter value"/>	<input type="checkbox"/> Physical <input type="checkbox"/> VM <input type="checkbox"/> Cloud	<input type="text" value="Enter value"/>	<input type="checkbox"/> Small <input type="checkbox"/> Medium <input type="checkbox"/> Large
<input type="text" value="Enter value"/>	<input type="checkbox"/> Physical <input type="checkbox"/> VM <input type="checkbox"/> Cloud	<input type="text" value="Enter value"/>	<input type="checkbox"/> Small <input type="checkbox"/> Medium <input type="checkbox"/> Large
<input type="text" value="Enter value"/>	<input type="checkbox"/> Physical <input type="checkbox"/> VM <input type="checkbox"/> Cloud	<input type="text" value="Enter value"/>	<input type="checkbox"/> Small <input type="checkbox"/> Medium <input type="checkbox"/> Large
<input type="text" value="Enter value"/>	<input type="checkbox"/> Physical <input type="checkbox"/> VM <input type="checkbox"/> Cloud	<input type="text" value="Enter value"/>	<input type="checkbox"/> Small <input type="checkbox"/> Medium <input type="checkbox"/> Large

CE Node Sizes

- **Small:** 8 vCPU, 32GB RAM, 80GB disk
- **Medium:** 8 vCPU, 32GB RAM, 100GB disk (App Stack)
- **Large:** 16 vCPU, 64GB RAM, 100GB disk

High Availability

CE high availability requirements:

- ☒ **Single node** - Development/non-critical
 - ☒ **3-node cluster** - Production HA (recommended)
-

Network Configuration

IP Addressing

Provide subnet information for connected networks:

SITE	INSIDE SUBNET (CIDR)	OUTSIDE SUBNET (CIDR)	GATEWAY
<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>
<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>
<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>

Routing Requirements

What routing is required?

- ☒ **Static routing** - Manually configured routes
- ☒ **BGP** - Dynamic routing with BGP
- ☒ **OSPF** - Dynamic routing with OSPF (via BGP redistribution)

BGP requirements (if applicable):

PARAMETER	VALUE
Local ASN	<input type="text" value="Enter value"/>
Peer ASN(s)	<input type="text" value="Enter value"/>
Advertised prefixes	<input type="text" value="Enter value"/>

NAT Requirements

What NAT is required?

- ☒ **SNAT** - Source NAT for outbound traffic
- ☒ **No NAT** - Direct routing between sites

Security Features

Network Firewall

- ☒ Yes - L3/L4 firewall policies
- ☒ No

Firewall requirements:

SOURCE	DESTINATION	PROTOCOL	PORT	ACTION
<input type="text" value="Enter valu"/>	<input type="text" value="Enter value"/>	<input type="text" value="Enter valu"/>	<input type="text" value="Enter valu"/>	<input type="checkbox"/> Allow <input type="checkbox"/> Deny
<input type="text" value="Enter valu"/>	<input type="text" value="Enter value"/>	<input type="text" value="Enter valu"/>	<input type="text" value="Enter valu"/>	<input type="checkbox"/> Allow <input type="checkbox"/> Deny
<input type="text" value="Enter valu"/>	<input type="text" value="Enter value"/>	<input type="text" value="Enter valu"/>	<input type="text" value="Enter valu"/>	<input type="checkbox"/> Allow <input type="checkbox"/> Deny

Number of firewall rules: ____

Micro-Segmentation

- ☒ Yes - Segment traffic within sites
- ☒ No

Forward Proxy

- ☒ Yes - HTTP/HTTPS inspection
- ☒ Yes - URL filtering
- ☒ No

Service Insertion

- ☒ Yes - F5 BIG-IP integration
- ☒ Yes - Palo Alto Networks
- ☒ Yes - Other: ____
- ☒ No

Cloud Integration

AWS Connectivity

If connecting AWS:

PARAMETER	VALUE
AWS regions	<input type="text" value="Enter value"/>
VPCs to connect	<input type="text" value="Enter value"/>
Transit Gateway integration	<input type="checkbox"/> Yes <input type="checkbox"/> No
Direct Connect	<input type="checkbox"/> Yes <input type="checkbox"/> No

Azure Connectivity

If connecting Azure:

PARAMETER	VALUE
Azure regions	<input type="text" value="Enter value"/>
VNets to connect	<input type="text" value="Enter value"/>
Virtual WAN integration	<input type="checkbox"/> Yes <input type="checkbox"/> No
ExpressRoute	<input type="checkbox"/> Yes <input type="checkbox"/> No

GCP Connectivity

If connecting Google Cloud:

PARAMETER	VALUE
GCP regions	<input type="text" value="Enter value"/>
VPCs to connect	<input type="text" value="Enter value"/>
Cloud Interconnect	<input type="checkbox"/> Yes <input type="checkbox"/> No

Observability

Visibility Requirements

What network visibility do you need?

- ☒ Site-to-site tunnel status
- ☒ Latency monitoring
- ☒ Bandwidth utilization
- ☒ Flow logs / traffic analysis
- ☒ Security event logging

Integration

Where should network telemetry be sent?

- ☒ F5 XC Console only
- ☒ SIEM integration: ____
- ☒ Network monitoring tool: ____

Advanced Features (Advanced Tier)

Advanced Network Connect Features

- ✓ **Anomaly detection** - ML-based traffic analysis
- ✓ **Integrated WAF/DDoS/Bot** - Security at network edge
- ✓ **Advanced service chaining** - Complex traffic flows

Site Mesh Groups

- ✓ **Full mesh** - Direct connectivity between all sites
 - ✓ **Hub-spoke mesh** - Connectivity through hub sites
 - ✓ No site mesh required
-

Summary: Multi-Cloud Networking Requirements

REQUIREMENT	VALUE
Total Sites to Connect	<div>Enter value</div>
Cloud Environments	<div>Enter value</div>
On-Premises Data Centers	<div>Enter value</div>
Edge/Branch Sites	<div>Enter value</div>
Total Inter-Site Bandwidth	<div>Enter value</div> Mbps
CE Nodes Required	<div>Enter value</div>
Network Firewall Rules	<div>Enter value</div>
Tier Required	<div><input type="checkbox"/> Standard <input type="checkbox"/> Advanced</div>

Network topology diagram attached: [] Yes [] No

Additional notes:

