

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	Enter value	Enter value	Enter value
Azure	Enter value	Enter value	Enter value
Google Cloud	Enter value	Enter value	Enter value
Other:	Enter value	Enter value	Enter value

On-Premises Data Centers

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

Edge/Branch Sites

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

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
Enter value	Enter value	Enter value	Enter value Mbps
Enter value	Enter value	Enter value	Enter value Mbps
Enter value	Enter value	Enter value	Enter value Mbps
Enter value	Enter value	Enter value	Enter value Mbps

Bandwidth Requirements

METRIC	VALUE
Total inter-site bandwidth	Enter value Mbps
Peak inter-site bandwidth	Enter value Mbps
Average latency requirement	< Enter value 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)
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Network Configuration

IP Addressing

Provide subnet information for connected networks:

SITE	INSIDE SUBNET (CIDR)	OUTSIDE SUBNET (CIDR)	GATEWAY
Enter value	Enter value	Enter value	Enter value
Enter value	Enter value	Enter value	Enter value
Enter value	Enter value	Enter 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	Enter value
Peer ASN(s)	Enter value
Advertised prefixes	Enter value

NAT Requirements

What NAT is required?

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

Network Firewall

- Yes - L3/L4 firewall policies
- No

Firewall requirements:

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

AWS Connectivity

If connecting AWS:

PARAMETER	VALUE
AWS regions	<input type="text"/> Enter value
VPCs to connect	<input type="text"/> 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"/> Enter value
VNets to connect	<input type="text"/> 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
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Summary: Multi-Cloud Networking Requirements

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

Network topology diagram attached: [] Yes [] No

Additional notes:

