

Customer Edge Sites Sizing

Customer Edge (CE) sites are F5 software deployments in your environment that provide private connectivity, local security enforcement, and edge compute capabilities.

CE Site Requirements

CE Use Cases

Why do you need Customer Edge sites?

- Private connectivity** - Access applications on private networks
 - Local security enforcement** - WAF/security at the edge
 - Multi-cloud networking** - Site-to-site connectivity
 - Edge compute** - Run workloads locally
 - Low latency** - Local processing requirements
 - Data residency** - Keep data local
 - Other: _____
-

Site Inventory

Site Locations

Where will CE sites be deployed?

SITE NAME	LOCATION	ENVIRONMENT	PURPOSE
Enter value	Enter value	<input type="radio"/> DC <input type="radio"/> Branch <input type="radio"/> Edge <input type="radio"/> Cloud	Enter value
Enter value	Enter value	<input type="radio"/> DC <input type="radio"/> Branch <input type="radio"/> Edge <input type="radio"/> Cloud	Enter value
Enter value	Enter value	<input type="radio"/> DC <input type="radio"/> Branch <input type="radio"/> Edge <input type="radio"/> Cloud	Enter value
Enter value	Enter value	<input type="radio"/> DC <input type="radio"/> Branch <input type="radio"/> Edge <input type="radio"/> Cloud	Enter value
Enter value	Enter value	<input type="radio"/> DC <input type="radio"/> Branch <input type="radio"/> Edge <input type="radio"/> Cloud	Enter value

Total CE sites: _____

Site Criticality

SITE	CRITICALITY	HIGH AVAILABILITY REQUIRED
Enter value	<input type="radio"/> Critical <input type="radio"/> High <input type="radio"/> Medium <input type="radio"/> Low	() Yes (3-node) () No (1-node)
Enter value	<input type="radio"/> Critical <input type="radio"/> High <input type="radio"/> Medium <input type="radio"/> Low	() Yes (3-node) () No (1-node)
Enter value	<input type="radio"/> Critical <input type="radio"/> High <input type="radio"/> Medium <input type="radio"/> Low	() Yes (3-node) () No (1-node)

Infrastructure Requirements

Deployment Platform

How will CE sites be deployed?

SITE	PLATFORM	HYPERVISOR/OS
Enter value	<input type="radio"/> VM <input type="radio"/> Bare Metal <input type="radio"/> Cloud VM	Enter value
Enter value	<input type="radio"/> VM <input type="radio"/> Bare Metal <input type="radio"/> Cloud VM	Enter value
Enter value	<input type="radio"/> VM <input type="radio"/> Bare Metal <input type="radio"/> Cloud VM	Enter value

Node Sizing

What size CE nodes do you need?

CE Node Size Reference

SIZE	VCPU	RAM	DISK	USE CASE
Standard	8	32GB	80GB	Basic networking/security
App Stack	8	32GB	100GB	+ Container workloads
Large	16	64GB	100GB	High throughput/complex policies

SITE	SIZE	NODES	TOTAL VCPU	TOTAL RAM
Enter value	<input type="radio"/> Standard <input type="radio"/> App Stack <input type="radio"/> Large	<input type="radio"/> 1 <input type="radio"/> 3	Enter value	Enter value GB
Enter value	<input type="radio"/> Standard <input type="radio"/> App Stack <input type="radio"/> Large	<input type="radio"/> 1 <input type="radio"/> 3	Enter value	Enter value GB
Enter value	<input type="radio"/> Standard <input type="radio"/> App Stack <input type="radio"/> Large	<input type="radio"/> 1 <input type="radio"/> 3	Enter value	Enter value GB

High Availability Configuration

For production sites, 3-node clusters are recommended:

SITE	HA MODE	NODES	NOTES
Enter value	<input type="radio"/> Single <input type="radio"/> 3-node HA	Enter value	Enter value
Enter value	<input type="radio"/> Single <input type="radio"/> 3-node HA	Enter value	Enter value

Network Configuration

Network Interfaces

How many network interfaces per CE node?

- Single interface (on-a-stick)** - Simplified deployment
- Dual interface** - Inside and outside networks

✓ **Multiple interfaces** - Complex routing

IP Addressing

SITE	INTERFACE	SUBNET	GATEWAY	DHCP OR STATIC
Enter value	Outside	Enter value	Enter value	<input type="radio"/> DHCP <input type="radio"/> Static
Enter value	Inside	Enter value	Enter value	<input type="radio"/> DHCP <input type="radio"/> Static
Enter value	Outside	Enter value	Enter value	<input type="radio"/> DHCP <input type="radio"/> Static
Enter value	Inside	Enter value	Enter value	<input type="radio"/> DHCP <input type="radio"/> Static

DNS Configuration

SITE	DNS SERVERS
Enter value	Enter value
Enter value	Enter value

Internet Connectivity

How do CE sites connect to F5 Regional Edges?

SITE	INTERNET ACCESS	PROXY REQUIRED
Enter value	<input type="radio"/> Direct <input type="radio"/> NAT <input type="radio"/> Proxy	<input type="radio"/> Yes <input type="radio"/> No
Enter value	<input type="radio"/> Direct <input type="radio"/> NAT <input type="radio"/> Proxy	<input type="radio"/> Yes <input type="radio"/> No

Workload Configuration

Services at CE Sites

What services will run at CE sites?

SITE	SERVICES
Enter value	<input type="checkbox"/> HTTP LB <input type="checkbox"/> TCP LB <input type="checkbox"/> WAF <input type="checkbox"/> Network Firewall <input type="checkbox"/> App Stack
Enter value	<input type="checkbox"/> HTTP LB <input type="checkbox"/> TCP LB <input type="checkbox"/> WAF <input type="checkbox"/> Network Firewall <input type="checkbox"/> App Stack
Enter value	<input type="checkbox"/> HTTP LB <input type="checkbox"/> TCP LB <input type="checkbox"/> WAF <input type="checkbox"/> Network Firewall <input type="checkbox"/> App Stack

Origin Servers Behind CE

What applications/services are behind each CE?

SITE	APPLICATIONS	SERVERS/IPS
Enter value	Enter value	Enter value
Enter value	Enter value	Enter value
Enter value	Enter value	Enter value

Traffic Volume Through CE

SITE	REQUESTS/SEC	BANDWIDTH	CONNECTIONS
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

Security Configuration

Network Firewall at CE

- Yes - Ingress filtering
- Yes - Egress filtering
- Yes - East-West filtering

No

Estimated firewall rules per site: ____

Forward Proxy at CE

- Yes - For outbound internet access
 No

Network Policies

What network policies are needed?

- Allow/deny lists
 Geographic restrictions
 Rate limiting
 Custom L3/L4 rules
-

Multi-Cloud Connectivity

Site Mesh

Will CE sites participate in site mesh?

- Yes - Full mesh with other CEs
 Yes - Hub-spoke topology
 No

Tunnel Configuration

SITE	CONNECTS TO	TUNNEL TYPE
Enter value	Enter value	<input type="radio"/> IPsec <input type="radio"/> SSL VPN
Enter value	Enter value	<input type="radio"/> IPsec <input type="radio"/> SSL VPN

App Stack (Optional)

App Stack Required

- Yes - Run container workloads
- No - Networking/security only

If yes:

SITE	CONTAINERS	STORAGE	REGISTRY
Enter value	Enter value	Enter value GB	Enter value
Enter value	Enter value	Enter value GB	Enter value

Operational Requirements

Management Access

How will CE sites be managed?

- F5 XC Console (required)

- SSH access for troubleshooting
- Local console access

Monitoring

What monitoring is required?

- Infrastructure health (CPU/Memory/Disk)
- Network metrics (throughput/latency)
- Application metrics
- Security events

Maintenance Windows

SITE	MAINTENANCE WINDOW	CHANGE CONTROL
<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="radio"/> Standard <input type="radio"/> Expedited <input type="radio"/> Emergency only
<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="radio"/> Standard <input type="radio"/> Expedited <input type="radio"/> Emergency only

Summary: Customer Edge Requirements

REQUIREMENT	VALUE
Total CE Sites	Enter value
HA Sites (3-node)	Enter value
Single Node Sites	Enter value
Total CE Nodes	Enter value
Total vCPU Required	Enter value
Total RAM Required	Enter value
App Stack Sites	Enter value

Site deployment timeline:

SITE	TARGET DEPLOYMENT DATE
Enter value	Enter value
Enter value	Enter value
Enter value	Enter value

Additional notes:

