

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
<div>Enter value</div>	<div>Enter value</div>	<div><input type="radio"/> DC <input type="radio"/> Branch <input type="radio"/> Edge <input type="radio"/> Cloud</div>	<div>Enter value</div>
<div>Enter value</div>	<div>Enter value</div>	<div><input type="radio"/> DC <input type="radio"/> Branch <input type="radio"/> Edge <input type="radio"/> Cloud</div>	<div>Enter value</div>
<div>Enter value</div>	<div>Enter value</div>	<div><input type="radio"/> DC <input type="radio"/> Branch <input type="radio"/> Edge <input type="radio"/> Cloud</div>	<div>Enter value</div>
<div>Enter value</div>	<div>Enter value</div>	<div><input type="radio"/> DC <input type="radio"/> Branch <input type="radio"/> Edge <input type="radio"/> Cloud</div>	<div>Enter value</div>
<div>Enter value</div>	<div>Enter value</div>	<div><input type="radio"/> DC <input type="radio"/> Branch <input type="radio"/> Edge <input type="radio"/> Cloud</div>	<div>Enter value</div>

Total CE sites: ____

Site Criticality

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

Infrastructure Requirements

Deployment Platform

How will CE sites be deployed?

SITE	PLATFORM	HYPERVISOR/OS
<input type="text" value="Enter value"/>	<input type="radio"/> VM <input type="radio"/> Bare Metal <input type="radio"/> Cloud VM	<input type="text" value="Enter value"/>
<input type="text" value="Enter value"/>	<input type="radio"/> VM <input type="radio"/> Bare Metal <input type="radio"/> Cloud VM	<input type="text" value="Enter value"/>
<input type="text" value="Enter value"/>	<input type="radio"/> VM <input type="radio"/> Bare Metal <input type="radio"/> Cloud VM	<input type="text" value="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
<div>Enter value</div>	<div><input type="radio"/> Standard</div> <div><input type="radio"/> App Stack</div> <div><input type="radio"/> Large</div>	<div><input type="radio"/> 1</div> <div><input type="radio"/> 3</div>	<div>Enter value</div>	<div>Enter value</div> <div>GB</div>
<div>Enter value</div>	<div><input type="radio"/> Standard</div> <div><input type="radio"/> App Stack</div> <div><input type="radio"/> Large</div>	<div><input type="radio"/> 1</div> <div><input type="radio"/> 3</div>	<div>Enter value</div>	<div>Enter value</div> <div>GB</div>
<div>Enter value</div>	<div><input type="radio"/> Standard</div> <div><input type="radio"/> App Stack</div> <div><input type="radio"/> Large</div>	<div><input type="radio"/> 1</div> <div><input type="radio"/> 3</div>	<div>Enter value</div>	<div>Enter value</div> <div>GB</div>

High Availability Configuration

For production sites, 3-node clusters are recommended:

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

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
<input type="text" value="Enter value"/>	Outside	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="radio"/> DHCP <input type="radio"/> Static
<input type="text" value="Enter value"/>	Inside	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="radio"/> DHCP <input type="radio"/> Static
<input type="text" value="Enter value"/>	Outside	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="radio"/> DHCP <input type="radio"/> Static
<input type="text" value="Enter value"/>	Inside	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="radio"/> DHCP <input type="radio"/> Static

DNS Configuration

SITE	DNS SERVERS
<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>
<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>

Internet Connectivity

How do CE sites connect to F5 Regional Edges?

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

Traffic Volume Through CE

SITE	REQUESTS/SEC	BANDWIDTH	CONNECTIONS
<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>

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
<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="radio"/> IPsec <input type="radio"/> SSL VPN
<input type="text" value="Enter value"/>	<input type="text" 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
<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/> GB	<input type="text" value="Enter value"/>
<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/>	<input type="text" value="Enter value"/> GB	<input type="text" value="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	<input type="text" value="Enter value"/>
HA Sites (3-node)	<input type="text" value="Enter value"/>
Single Node Sites	<input type="text" value="Enter value"/>
Total CE Nodes	<input type="text" value="Enter value"/>
Total vCPU Required	<input type="text" value="Enter value"/>
Total RAM Required	<input type="text" value="Enter value"/> GB
App Stack Sites	<input type="text" value="Enter value"/>

Site deployment timeline:

SITE	TARGET DEPLOYMENT DATE
<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"/>

Additional notes:

