



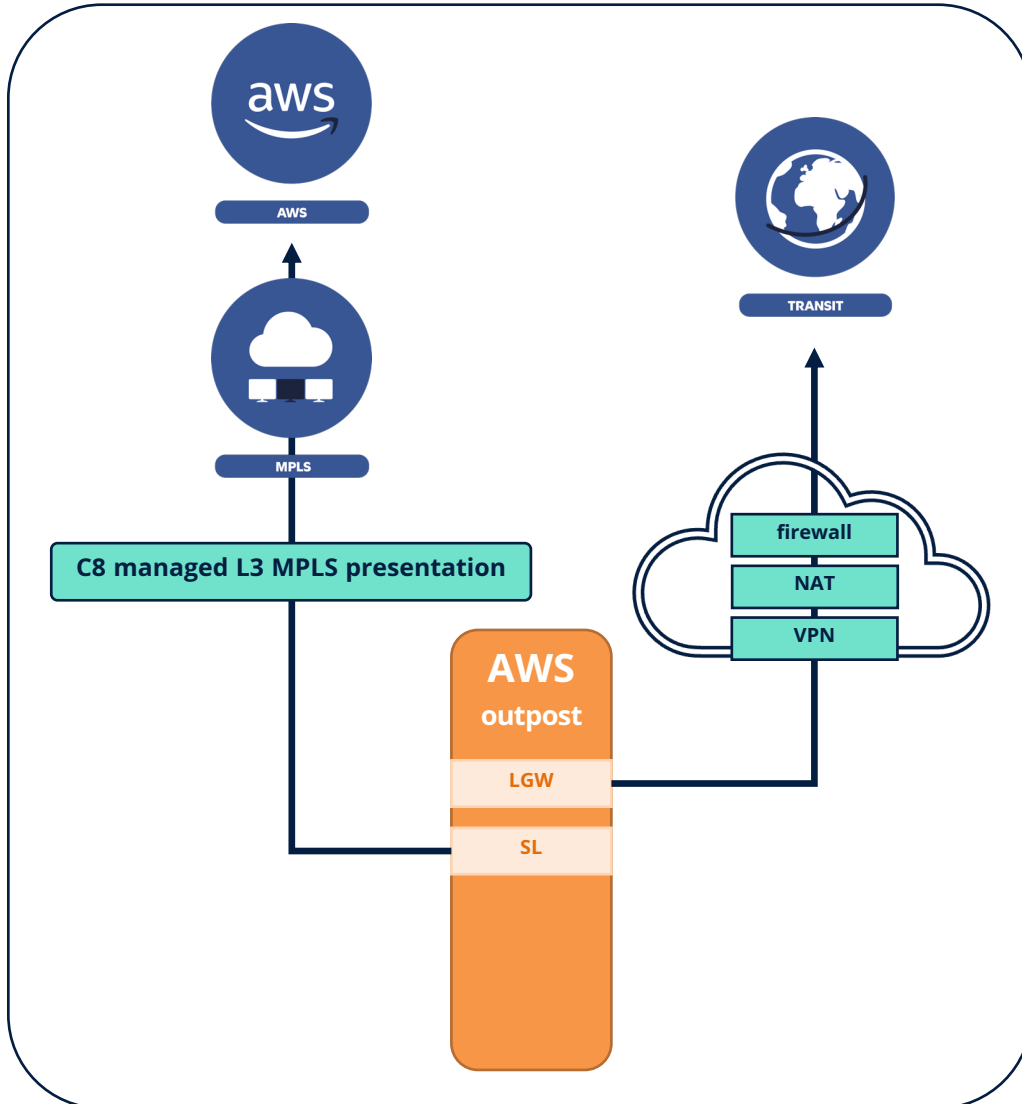
# Continent 8 & AWS Outpost Connectivity Option Overview

# Connectivity Matrix



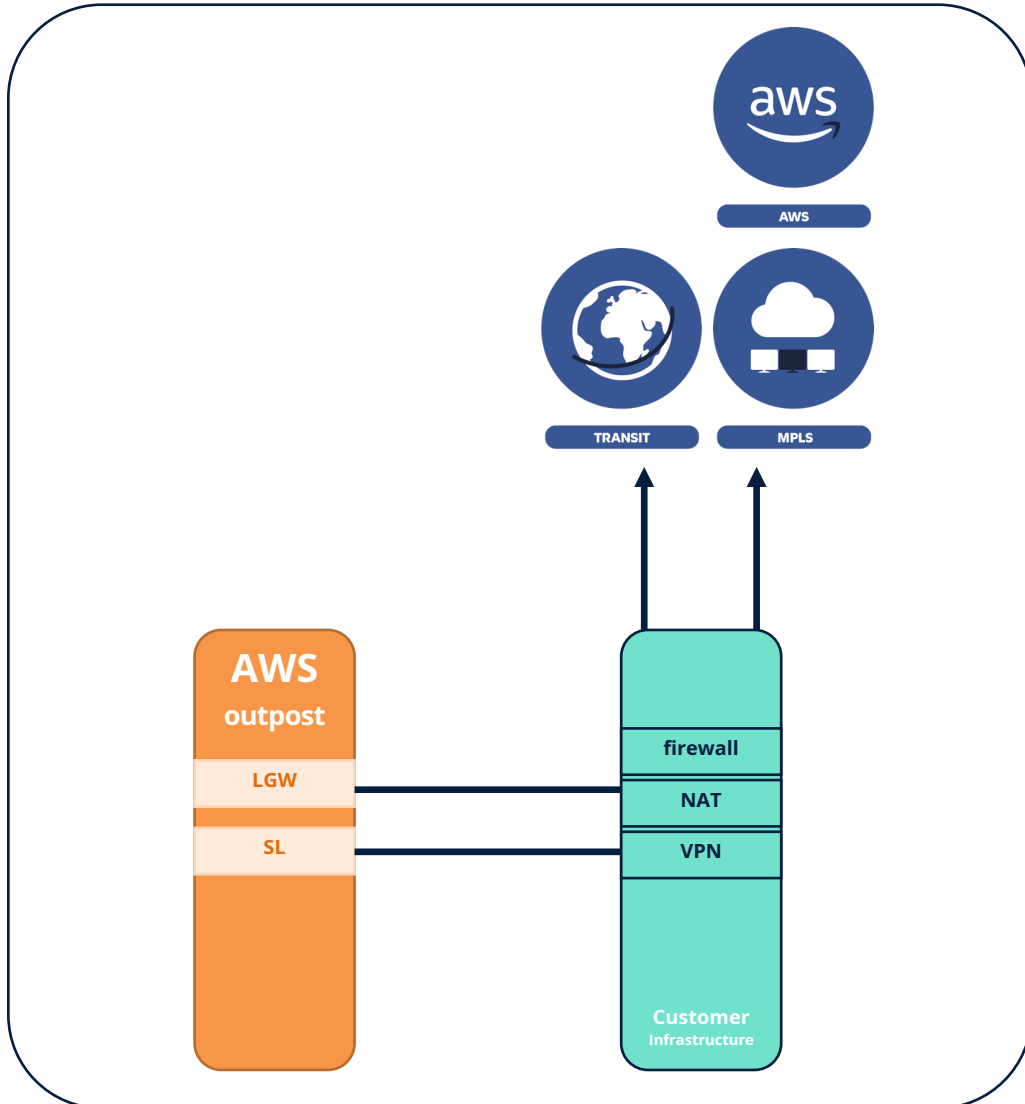
	<b>Recommended:</b> In-state Protected Internet + Private AWS CloudConnect (MPLS)		<b>AWS Only:</b> Private AWS CloudConnect	<b>Internet Only:</b> In-State Protected Internet
	<b>C8 NEaaS</b>	<b>Customer Infrastructure</b>	<b>C8 CloudConnect</b>	<b>C8 IP Transit</b>
<b>Require Additional Rack + Cabling</b>	x	✓	x	x
<b>DDoS Protected</b>	Available via C8	Available via C8	Not applicable (Except AWS)	Available via C8
<b>Reduce AWS Data Transfer Fees</b>	✓	✓	✓	x
<b>Support Multiple Site or AWS Region</b>	✓	✓	✓	x
<b>Gaming Exchange Capable</b>	✓	✓	x	x
<b>Firewall &amp; Load Balance Capability</b>	✓	-	x	x
<b>Includes C8 Product Support</b>	✓	x	x	x
<b>Extendable capability:</b> <ul style="list-style-type: none"> <li>• C8 Object Storage</li> <li>• C8 Virtual Server</li> <li>• C8 Backup</li> <li>• AWS Outpost (Rack / Server)</li> </ul>	✓	✓	x	x

# Recommended: C8 NEaaS



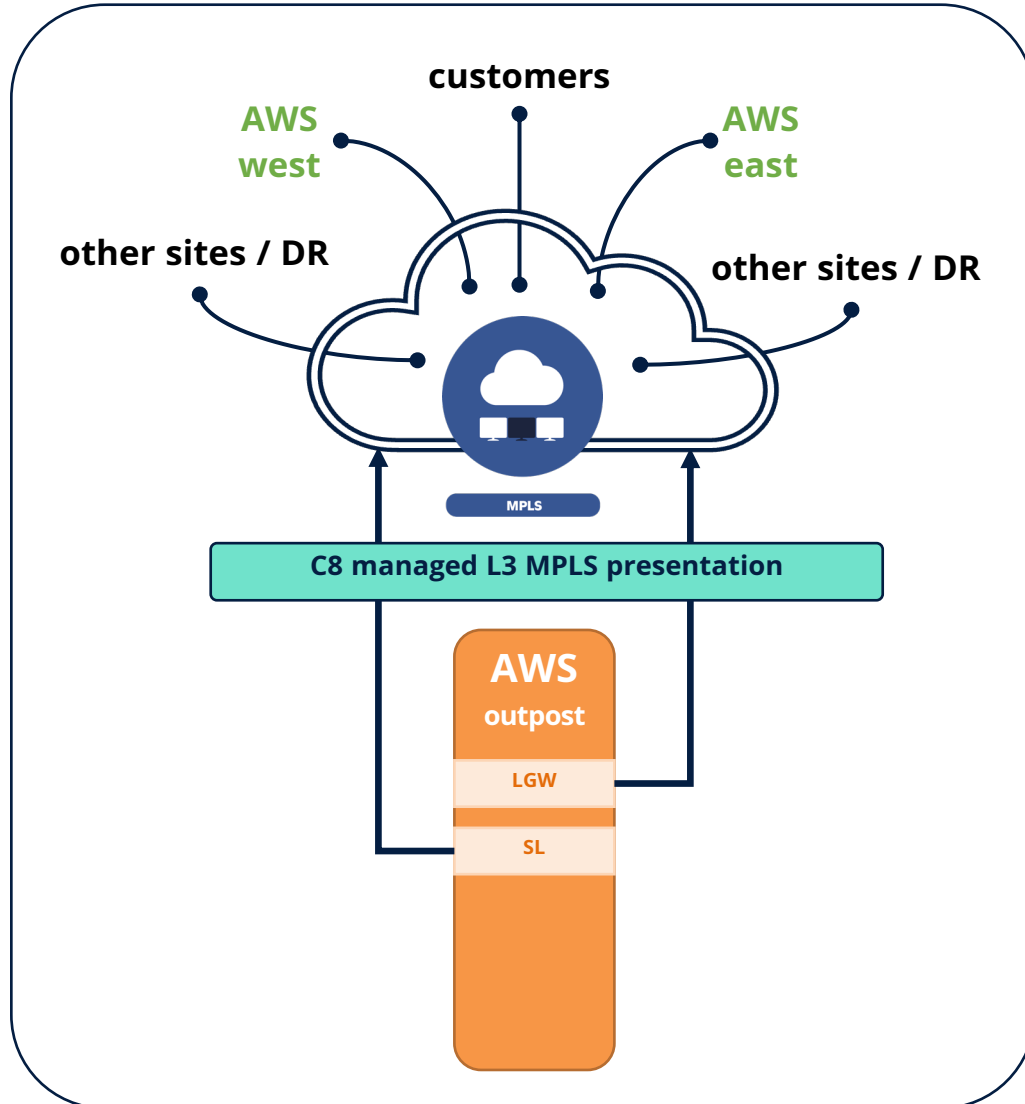
Solution	
<ol style="list-style-type: none"> <li>1. AWS Outpost Rack(s)</li> <li>2. C8 Network Edge as a Service (NEaaS) including Product Support &amp; Portal Administration</li> <li>3. C8 CloudConnect (Direct or Hosted)</li> <li>4. C8 IP transit &amp; DDoS Protection</li> </ol>	
Advantages	Considerations
<ul style="list-style-type: none"> <li>• Universally available at all C8 locations</li> <li>• Maximum resilience and reach at minimum latency</li> <li>• Local in-state internet, with in-state IP addresses broadcast</li> <li>• Burstable internet for peak traffic events</li> <li>• Managed private network to AWS for control plane traffic</li> <li>• No customer infrastructure requirements</li> </ul>	<ul style="list-style-type: none"> <li>• NEaaS available unmanaged - Customer manages rule set on virtual security appliances</li> <li>• NEaaS available managed - C8 manages rule set on virtual security appliance</li> <li>• Internet recommended protected by DDoS (L3/4) + WAAP (L7) solution</li> </ul>

# Recommended: Customer Edge Infrastructure



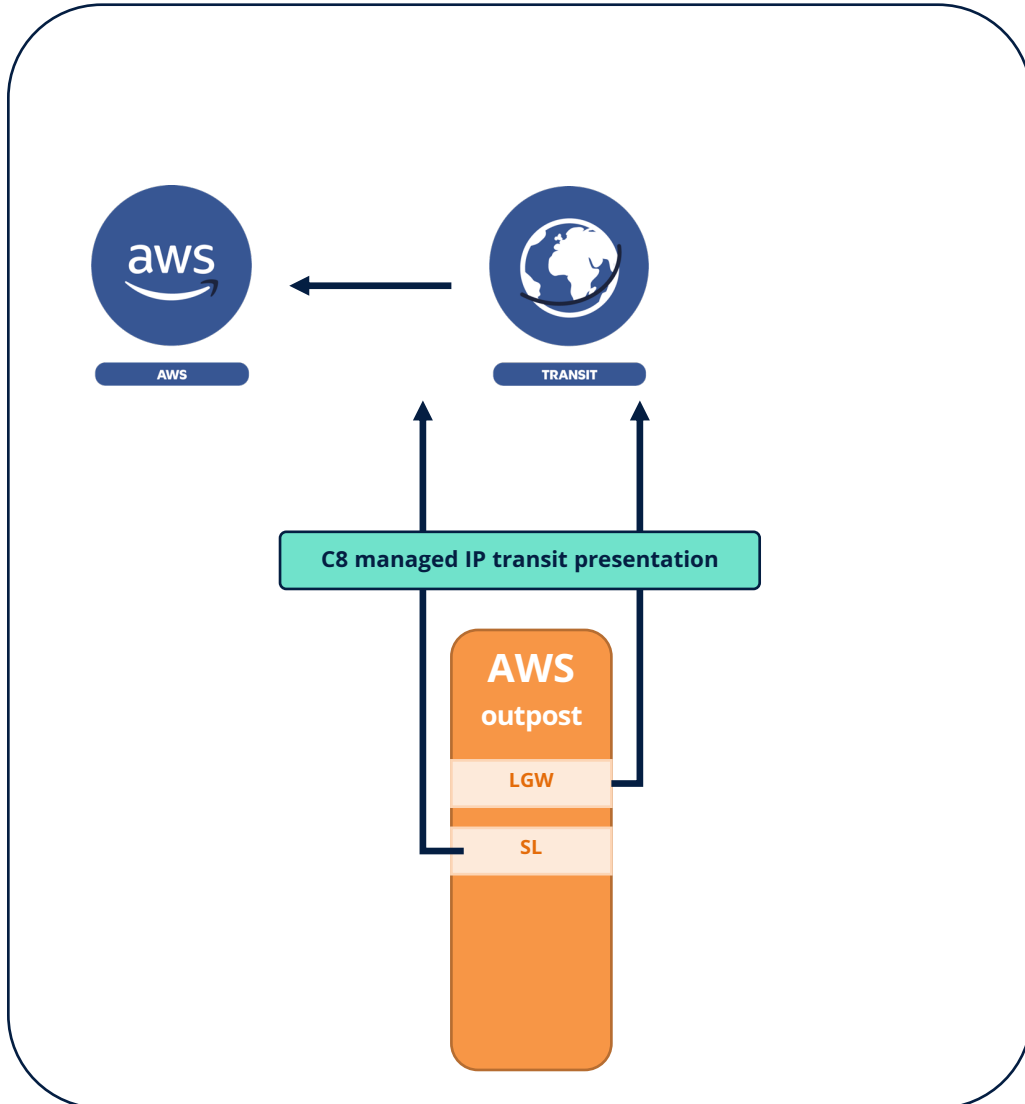
Solution	
<ol style="list-style-type: none"> <li>1. AWS Outpost Rack(s)</li> <li>2. C8 Co-location (Additional Rack) &amp; Cabling</li> <li>3. Customer Network Edge Infrastructure</li> <li>4. C8 CloudConnect (Direct or Hosted)</li> <li>5. C8 IP transit &amp; DDoS Protection</li> </ol>	
Advantages	Considerations
<ul style="list-style-type: none"> <li>• Universally available at all C8 locations</li> <li>• Maximum resilience and reach at minimum latency</li> <li>• Local in-state internet, with in-state IP addresses broadcast</li> <li>• Burstable internet for peak traffic events</li> <li>• Managed private network to AWS for control plane traffic</li> </ul>	<ul style="list-style-type: none"> <li>• Customer manages rule set on dedicated security appliances</li> <li>• Additional Rack &amp; Power cost</li> <li>• Additional customer infrastructure management</li> <li>• Internet recommended protected by DDoS (L3/4) + WaaP (L7) solution</li> </ul>

# AWS Only: C8 CloudConnect



Solution	
<ol style="list-style-type: none"> <li>1. AWS Outpost Rack(s)</li> <li>2. C8 CloudConnect (Direct or Hosted)</li> </ol>	
Advantages	Considerations
<ul style="list-style-type: none"> <li>• Universally available at all C8 locations</li> <li>• Supports multiple AWS regions and zones connects via C8 managed resilient routing</li> <li>• Maximum resilience and minimum latency</li> <li>• Can be used to build multi-site DR / BC solutions</li> <li>• Fully managed network with no customer management required</li> <li>• No customer infrastructure requirements</li> </ul>	<ul style="list-style-type: none"> <li>• All external edge traffic routes via AWS – consider data transfer costs and surface area for protection and resilience</li> <li>• No provable in-state connectivity capability</li> <li>• MPLS port based service – no burst, so sizing must be in excess of maximum expected requirement</li> </ul>

# Internet Only: C8 IP Transit



Solution	
<ol style="list-style-type: none"><li>1. AWS Outpost Rack(s)</li><li>2. C8 IP transit &amp; DDoS Protection</li></ol>	
Advantages	Considerations
<ul style="list-style-type: none"><li>• Universally available at all C8 locations</li><li>• Rapid deployment</li><li>• Simple Connectivity model</li><li>• Local in-state IP transit, with in-state IP addresses</li><li>• IP transit service is burstable for peak traffic events</li><li>• No customer infrastructure requirements.</li></ul>	<ul style="list-style-type: none"><li>• Requires two large blocks (/26) of Public IP v4 addresses (128)</li><li>• Customer manages rule set on local AWS Outpost virtual security appliances</li><li>• IP transit connection must be protected by DDoS / WAAP (L3-7) solution</li><li>• No local network connectivity for</li></ul>

# C8 Recommendation Summary

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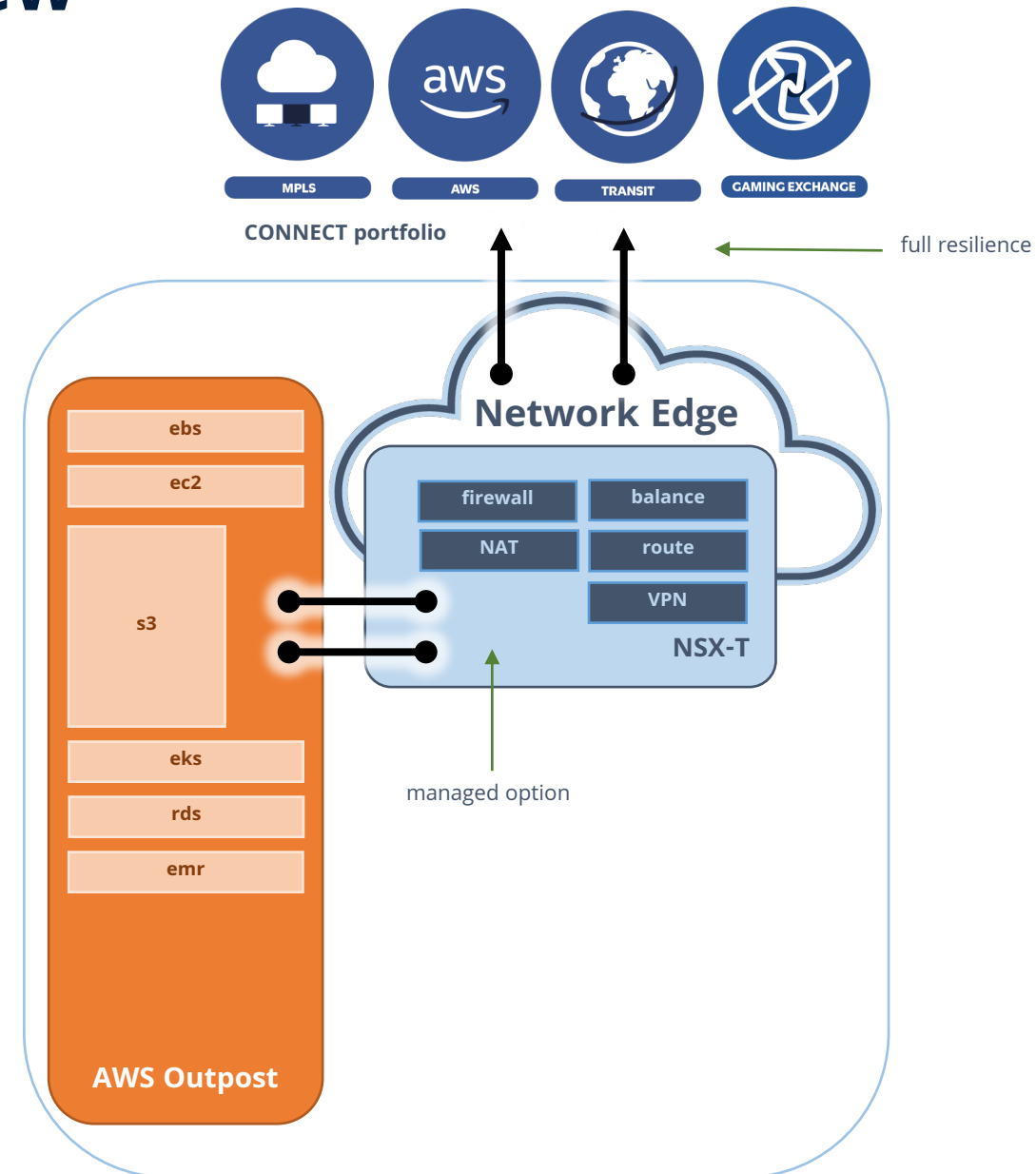


- **Supports multiple AWS regions and multi-site (DR / BC) connectivity**
- **Supports private and public connectivity options, enabling additional resilience**
- **Demonstrable in-state internet connectivity to consumers and partners**
- **Multiple Service Link (SL) and Local Gateway (LGW) usages supported**
- **Minimizes IPv4 address burn rate**
- **Full customer or C8 managed connectivity and security**
- **Supports hybrid or extended service implementations, including regulated cloud services or additional AWS Outpost (rack or server) capacity deployment**
- **Allows C8 Gaming Exchange capability and therefore Premium Portal access**
- **L3 presentation and management – cost efficient compared to multiple L2 service requirements**

# C8 AWS Outpost & NEaaS Overview

## AWS Outpost ready service, including:

- **AWS Outpost Rack Enablement, Co-location & Power up to 15kVA (13kW) Redundant 3-Phase Power per Rack**
- **C8 Cloud Network Edge Functions:**
  1. Firewall
  2. Load Balance
  3. Switch & BGP
- **Multiple Connectivity Options:**
  1. Internet Connection including DDoS protection
  2. AWS Cloud (Direct) Connect (via C8 MPLS)
  3. Exchange connection and premium portal
- **Advantages:**
  1. Includes Product support
  2. Managed option available
  3. No customer infrastructure of additional rack requirements





# Deployment Responsibilities



	<b>NEaaS - Recommended</b>	<b>AWS Only:</b> Private AWS CloudConnect	<b>Internet Only:</b> In-state Protected Internet
	<b>C8 NEaaS</b>	<b>C8 CloudConnect</b>	<b>C8 IP Transit</b>
<b>Size AWS Outpost Project</b>	AWS & Customer	AWS & Customer	AWS & Customer
<b>Order C8 Services</b>	Customer & C8	Customer & C8	Customer & C8
<b>Build C8 Site in Customer AWS Console</b>	Customer & C8	Customer & C8	Customer & C8
<b>Order AWS DX Ports + Generate LOA</b>	Customer	Customer	Customer
<b>Complete AWS SAV Document</b>	C8 & Customer	C8 & Customer	C8 & Customer
<b>Complete AWS LNA Document</b>	C8 & Customer	Customer & C8	Customer
<b>Build AWS Region Networking Components</b>	Customer & AWS	Customer & AWS	Customer & AWS
<b>Build Data Centre Network</b>	C8	C8	C8
<b>Onsite SAV &amp; NVT</b>	AWS & C8	AWS & C8	AWS & C8
<b>Physical Outpost Installation</b>	AWS & C8	AWS & C8	AWS & C8
<b>AWS Outpost Build &amp; Condition</b>	AWS	AWS	AWS
<b>AWS Outpost Handover</b>	AWS	AWS	AWS

# Deployment Responsibilities Extended



	NEaaS - Recommended	Notes
	C8 NEaaS	
<b>Size AWS Outpost Project</b>	AWS & Customer	Project Storage & Compute resources sized.
<b>Order C8 Services</b>	Customer & C8	Customer provides C8 with rack, power & network requirements.
<b>Build C8 Site in Customer AWS Console</b>	Customer & C8	C8 will provide site specifications for customer to enter into AWS console.
<b>Order AWS DX Ports + Generate LOA</b>	Customer & C8	C8 provides DX locations, customer orders DX & generates LOA for C8.
<b>Complete AWS SAV Document</b>	C8 & Customer	C8 provides site & contact information, customer provides contact information.
<b>Complete AWS LNA Document</b>	C8 & Customer	C8 suggests LNA network information, customer validates and sends to AWS.
<b>Build AWS Region Networking Components</b>	Customer & AWS	Customer builds required components such as DX gateway and vPC subnets.
<b>Build Data Centre Network</b>	C8	C8 undertakes network configuration and builds NEaaS tenant.
<b>Onsite SAV &amp; NVT</b>	AWS & C8	AWS engineers attend site escorted by C8 DC staff if required.
<b>Physical Outpost Installation</b>	AWS & C8	AWS engineers attend site escorted by C8 DC staff if required.
<b>AWS Outpost Provision Outpost</b>	AWS	AWS teams provision the outpost to customer console.
<b>AWS Outpost Handover</b>	AWS	AWS delivery team confirms provisioning and hands resources to customer.

# Deployment Responsibilities Extended



	AWS Only: Private AWS CloudConnect	Notes
	C8 CloudConnect	
<b>Size AWS Outpost Project</b>	AWS & Customer	Project Storage & Compute resources sized.
<b>Order C8 Services</b>	Customer & C8	Customer provides C8 with rack, power & network requirements.
<b>Build C8 Site in Customer AWS Console</b>	Customer & C8	C8 will provide site specifications for customer to enter into AWS console.
<b>Order AWS DX ports + Generate LOA</b>	Customer	C8 provides DX locations, customer orders DX & generates LOA for C8.
<b>Complete AWS SAV Document</b>	C8 & Customer	C8 provides site & contact information, customer provides contact information.
<b>Complete AWS LNA Document</b>	Customer & C8	C8 suggests LNA network information, customer validates and sends to AWS.
<b>Build AWS Region Networking Components</b>	Customer & AWS	Customer builds required components such as DX gateway and vPC subnets.
<b>Build Data Centre Network</b>	C8	C8 undertakes network configuration.
<b>Onsite SAV &amp; NVT</b>	AWS & C8	AWS engineers attend site escorted by C8 DC staff if required.
<b>Physical Outpost Installation</b>	AWS & C8	AWS engineers attend site escorted by C8 DC staff if required.
<b>AWS Outpost Build &amp; Condition</b>	AWS	AWS teams provision the outpost to customer console.
<b>AWS Outpost Handover</b>	AWS	AWS delivery team confirms provisioning and hands resources to customer.

# Deployment Responsibilities Extended



	Internet Only: In-State Protected Internet	Notes
	C8 IP Transit	
<b>Size AWS Outpost Project</b>	AWS & Customer	Project Storage & Compute resources sized.
<b>Order C8 Services</b>	Customer & C8	Customer provides C8 with rack, power & network requirements.
<b>Build C8 Site in Customer AWS Console</b>	Customer & C8	C8 will provide site specifications for customer to enter into AWS console.
<b>Order AWS DX ports + Generate LOA</b>	N/A	N/A
<b>Complete AWS SAV Document</b>	C8 & Customer	C8 provides site & contact information, customer provides contact information.
<b>Complete AWS LNA Document</b>	Customer	C8 provides customer with IP address range, customer fills LNA document.
<b>Build AWS Region Networking Components</b>	Customer & AWS	Customer builds required components such as VPN gateway and vPC subnets.
<b>Build Data Centre Network</b>	C8	C8 undertakes network configuration.
<b>Onsite SAV &amp; NVT</b>	AWS & C8	AWS engineers attend site escorted by C8 DC staff if required.
<b>Physical Outpost Installation</b>	AWS & C8	AWS engineers attend site escorted by C8 DC staff if required.
<b>AWS Outpost Build &amp; Condition</b>	AWS	AWS teams provision the outpost to customer console.
<b>AWS Outpost Handover</b>	AWS	AWS delivery team confirms provisioning and hands resources to customer.

# Want to know more?

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As the leading infrastructure provider to the iGaming industry, we can accelerate your Cloud strategy with AWS Outposts.

**Let's chat.**

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