

# Frame on Public Cloud Ports/Protocols

## FGA 8 with FRP 8

Source to Destination	Source IP address	Destination FQDN(s)	Protocol:port
Workload VMs to Frame Platform	Public IP address	<ul style="list-style-type: none"> <li>gateway-external-api-prod.frame.nutanix.com</li> <li>img.console.nutanix.com</li> <li>img.frame.nutanix.com</li> <li>prod-kds-5683567dcbd60804cb34.s3.us-east-1.amazonaws.com</li> <li>prod-sup-5683567dcbd60804cb34.s3.us-east-1.amazonaws.com</li> <li>downloads.console.nutanix.com</li> <li>logging.console.nutanix.com</li> </ul>	<ul style="list-style-type: none"> <li>tcp/443 (HTTPS)</li> </ul>
		<ul style="list-style-type: none"> <li>cch.console.nutanix.com</li> <li>messaging.console.nutanix.com</li> </ul>	<ul style="list-style-type: none"> <li>tcp/443 (HTTPS, Secure WebSocket)</li> </ul>
		<ul style="list-style-type: none"> <li>stun.console.nutanix.com</li> </ul>	<ul style="list-style-type: none"> <li>udp/3478</li> </ul>
End user to Frame Platform	Public IP address	<ul style="list-style-type: none"> <li>console.nutanix.com</li> <li>img.frame.nutanix.com</li> <li>img.console.nutanix.com</li> <li>cpanel-backend.console.nutanix.com</li> <li>prod-cpa-5683567dcbd60804cb34.s3.us-east-1.amazonaws.com</li> <li>terminal-prod.frame.nutanix.com</li> <li>login.console.nutanix.com (for Frame IdP, if used)</li> <li>logs-01.loggly.com (tcp/6514 (TLS), for event logging)</li> </ul>	<ul style="list-style-type: none"> <li>tcp/443 (HTTPS)</li> </ul>
		<ul style="list-style-type: none"> <li>messaging.console.nutanix.com</li> </ul>	<ul style="list-style-type: none"> <li>tcp/443 (HTTPS, Secure WebSocket)</li> </ul>
End user to Workload VM	Public IP address	<ul style="list-style-type: none"> <li>*.nutanixframe.com or *.nutanix-frame.com resolving to public IP address</li> </ul>	<ul style="list-style-type: none"> <li>udp/4503-4509</li> </ul>

### Notes:

1. This includes all protocol/ports needed for Frame-managed workloads on AWS/Azure/GCP.

