## Frame on AHV Ports/Protocols Summary FGA 8 with SGA

Source to Destination	Source IP address	Destination FQDN(s)	Protocol:port
Cloud Connector Appliance (CCA) to Frame Platform	Public IP address (NAT from private IP address), as seen by Frame Platform	<ul><li>console.nutanix.com</li><li>cpanel-backend.console.nutanix.com</li><li>gateway-external-api.console.nutanix.com</li></ul>	• tcp/443 (HTTPS)
		cch.console.nutanix.com	tcp/443 (Secure WebSocket)
Prism Central to Frame Platform	Private IP address within VLAN	downloads.frame.nutanix.com	• tcp/443 (HTTPS)
CCA to Prism Central	Private IP address or static private IP address	Prism Central IP address	• tcp/443 (HTTPS)
CCA to Prism Element (on node where profile and personal disks are used)	Private IP address	Prism Element IP address	• tcp/443 (HTTPS)
Workload VMs to Frame Platform	Public IP address (NAT from private IP address), from perspective of Frame Platform	<ul> <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>cch.console.nutanix.com (tcp/443, Secure WebSocket)</li> <li>logging.console.nutanix.com</li> </ul>	• tcp/443 (HTTPS)
End user to Frame Platform	Public IP address (NAT from private IP address if end user in private network), from perspective of Frame Platform	<ul> <li>console.nutanix.com</li> <li>lmg.console.nutanix.com</li> <li>img.frame.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>	• tcp/443 (HTTPS)
Streaming Gateway Appliance (SGA) to Frame Platform	Public IP address	<ul><li>cpanel-backend.console.nutanix.com</li><li>gateway-external-api.console.nutanix.com</li></ul>	• tcp/443 (HTTPS)
End user to SGA	Public IP address	*. <customer fqdn="" sga=""> resolving to public IP address</customer>	tcp/443 (HTTPS, Secure Web Socket)
SGA to Workload VM	Private IP address	Dynamic private IP addresses within VPC/VNET	tcp/443 (HTTPS, Secure Web Socket)

Notes: 1. Orange rows identify communication paths that traverse the public-private network boundary.